Appendices - Volume 1

Appendix A

NOP & Public Comments

City of Rancho Cucamonga

Notice of Preparation of a Draft EIR

And Notice of Public Scoping Meeting

Date: November 18, 2019

To: Responsible and Trustee Agents/Interested Organizations and Individuals

Subject: **Notice of Preparation of a Draft Environmental Report and Notice of a Public Scoping Meeting**

9th & Vineyard Development Project

Lead Agency:

City of Rancho Cucamonga
Planning Department
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Consulting Firm

KIMLEY-HORN AND ASSOCIATES, INC.
3880 Lemon Street, Suite 420
Riverside, CA 92501
Candyce Burnett

This NOP includes a project description and a list of the environmental issues to be examined in the environmental impact report (EIR).

Due to the time limits mandated by State law, your response must be sent at the earliest possible date, but no later than 30 days after receipt of this notice.

Please send your response to David F. Eoff IV, Senior Planner, at the City of Rancho Cucamonga address shown above. Please include the name, phone number, email, and address of a contact person in your response.

Project Title: 9th & Vineyard Development Project

Location: The Project site is located south of E. 9th Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the City of Rancho Cucamonga in San Bernardino County, California. The 47.07-acre site is located approximately 1.4 miles north of the I-10 Freeway/Vineyard Avenue on/off ramp, approximately 2.9 miles south of the SR-210 Freeway/Carnelian Street on/off ramp, and 2.3 miles east of State Route 83.

A. Project Overview CP Logistics Vineyard LLC (CPL) is proposing to develop a site configuration that would include the construction of three warehouse buildings to include approximately 13,000 sf of office space and 1,024,467 sf of warehouse space for a total of 1,037,467 sf. The proposed 9th & Vineyard development Project (proposed Project) is comprised of three warehouse buildings with ancillary office space and associated parking and landscaping on approximately 47.07 acres. **Exhibit 3: Building Site Configuration.**

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The Project site is located on the following nine (9) Assessor Parcel Numbers (APN Nos.):

1. 0207-271-25
2. 0207-271-27
3. 0207-271-39
4. 0207-271-40
5. 0207-271-89
6. 0207-271-93
7. 0207-271-94
8. 0207-271-96
9. 0207-271-97

The Project would require a total of 370 automobile parking spaces and would provide a total of 415 automobile parking spaces. The Project would require 141 total trailer parking stalls and would provide 195 total trailer parking spaces. Refer to Table 1 for further breakdown regarding individual parking provided for each building.

Table 1: Three Building Site Summary

Building	Warehouse (sf)	Office 1st Floor (sf)	Office 2nd Floor (sf)	Total Building (sf)	Automobile Parking Stalls		Trailer Parking Stalls	
					Required	Provided	Required	Provided
Building 1	632,580	4,000	0	636,580	195	195	100	148
Building 2	126,531	2,000	2,000	130,531	68	73	13	13
Building 3	265,356	2,500	2,500	270,356	107	147	28	34

The warehouse distribution buildings are currently planned as “speculative buildings.” Consequently, the future tenants or buyers of the buildings are not currently known. Without knowing the future tenants or buyers, an exact number of future employees or hours of operation cannot be determined. Therefore, the Environmental Impact Report (EIR) and associated technical reports will use approximate potential on-site employees, hours of operation, and vehicular traffic generation based on the Project’s proposed square footage and use as warehouse distribution facilities. A more in-depth analysis in addition to full evaluation of the historic building located near the western project boundary will be provided in the forthcoming Draft EIR.

Landscaping

Proposed landscaping would cover approximately 11.9% or 243,585 sf of the site. Landscaping would be

installed in all areas not devoted to buildings, parking, traffic and specific user requirements, in accordance with the City's Municipal Code Section 17.36.040 which specifies landscape design guidelines for industrial districts. Building setbacks would be 35 feet along Vineyard Avenue (Secondary Highway) and 25 feet along both 9th Street (Collector Street) and Baker Avenue (Collector Street).

Construction

Construction would include the demolition of existing structures with the exception of the ±1,260 SF building located at 8803 Baker Avenue, which was deemed historically significant by the City, and the existing cell tower located approximately 300 linear feet west of Vineyard Avenue that is compliant with the City of Rancho Cucamonga's Construction and Demolition Diversion Program. CPL will pay the demolition permit and administration fee for cleanup purposes provided by Burrtec Waste Industries. Construction of the proposed Project is expected to commence in August 2020 (est.) with a construction duration of approximately 15 months (including required demolition) and would be completed in one (1) phase with buildout in November 2021 (est.). Total excavation and fill of soils for the proposed Project is anticipated to balance, with no required soil import or export.

B. Project Setting

Adjacent properties to the north are zoned for Industrial Park (IP), General Industrial (GI), Medium Density Residential (M), and General Commercial (GC) uses. Properties to the west are zoned Low Density Residential (L). The BNSF railway and properties zoned for industrial uses directly south of the site are located within the City of Ontario. The site is bordered to the east by Vineyard Avenue and the Cucamonga Creek, a concrete-lined stormwater drainage channel. Cucamonga Creek originates in the San Gabriel Mountains to the north of the site and flows roughly north to south into the Santa Ana River at the Prado Dam.

C. Requested Project Approvals

Project entitlement will include the following applications:

- **Design Review (DR)(DRC2019-00742)**: The application includes the proposed review of three (3) industrial buildings totaling approximately 1,037,467 square feet that range in size from 130,531 to 636,580 square feet on approximately 47.07 acres.
- **Tentative Parcel Map (TPM)(SUBTPM20173)**: The application includes the proposed review of a collapse of the nine (9) existing parcels into three (3) proposed parcels, along with the required land dedications, vacations and easements.
- **General Plan Amendment (GPA)(DRC2019-00851)**: The application includes the review of a proposed amendment of the land use designation of approximately 7.06 acres located at the southwest corner of the site fronting Baker Avenue, between APN No. 0207-271-89 to the north and the BNSF Railway to the south, from General Industrial to Industrial Park.

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- **Zoning Map Amendment (ZMA)(DRC2019-00852)**: The application includes the review of a proposed amendment of the zoning designation of approximately 7.06 acres located at the southwest corner of the site fronting Baker Avenue, between APN No. 0207-271-89 to the north and the BNSF Railway to the south, from General Industrial (GI) to Industrial Park (IP).
- **Uniform Sign Program (USP)(DRC2019-00855):** The application includes the review of a Uniform Sign Program which governs the design and construction of all planned and future signage at the proposed Project.
- **Tree Removal Permit (DRC2019-00853):** The application includes the review of the proposed removal of approximately one hundred ninety seven (197) trees on the site, of which seventy one (71) are considered "heritage trees" by the City. These trees will be replaced by approximately five hundred and one (501) new trees as part of the proposed Project.
- **Certificate of Appropriateness (DRC2019-00854)**: The application includes the review of the proposed rehabilitation of the historically significant ±1,260 square foot building located at 8803 Baker Avenue.
- **Notice of Filing Sign Permit (DRC2019-00756):** The application includes the request to install signs on the site in order to properly notice the public of upcoming public hearings for the Project.

D. Project Characteristics

General Plan Designation: The majority of the Project site is designated as General Industrial with the exception of approximately 5.71 acres at the northwest corner of the site fronting Baker Avenue (APN No. 0207-271-89) which is designated as Industrial Park.

Zoning: The majority of the Project site is zoned as General Industrial (GI) with the exception of approximately 5.71 acres at the northwest corner of the site fronting Baker Avenue (APN No. 0207-271-89) which is zoned as Industrial Park (IP). The site is not currently governed by a Specific Plan.

E. Circulation and Parking

Vehicular access to the proposed Project would consist of six project driveways, one on 9th Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized. Street improvements would also be provided along Vineyard Ave, E. 9th Street, and Baker Ave at the Project frontage to include improvements which may consist of the following: sidewalk, parkway landscaping, curb & gutter, dry utility undergrounding, street lights, fire hydrants, traffic signal equipment (offsite intersections), rehabilitation of existing asphalt pavement, offsite utility connections, and signing and striping as required. As shown in **Exhibit 3 – Building Site Configuration** and **Table 1 – Three Building Site Summary** (shown above), the proposed Project would meet the parking requirements for all proposed

buildings.

Environmental Issues to be Evaluated in the EIR

Pursuant to Section 21165 of the California Public Resources Code and Section 15050 of the California Environmental Quality Act (CEQA) Guidelines, the City of Rancho Cucamonga will be the lead agency for an environmental impact report (EIR) that will be prepared to address potential impacts associated with the proposed 9th and Vineyard Development Project. CEQA Guidelines §15063 provide that if a lead agency determines that an EIR will clearly be required for a project, an Initial Study is not required. In this case, the City has already determined that an EIR will need to be prepared based on the Project's potential to create short-term, long-term and cumulative impacts associated with other developments. Therefore, an EIR will be prepared to fully evaluate the potential impacts of the proposed Project. The EIR will be comprehensive in nature evaluating all identified issues from the 2019 CEQA Initial Study Checklist.

The following issues are anticipated to be addressed in the EIR:

• Aesthetics • Agriculture and Forestry Resources • Air Quality • Biological Resources • Cultural Resources • Energy • Geology and Soils • Greenhouse Gas Emissions • Hazards and Hazardous Materials • Hydrology and Water Quality • Land Use and Planning • Mineral Resources • Noise • Population and Housing • Public Services • Recreation • Transportation • Tribal Cultural Resources • Utilities and Service Systems • Wildfire

The EIR will address the short- and long-term effects of the Project on the environment, including the impacts of any off-site improvements. It will also evaluate the potential for the Project to cause direct and indirect growth-inducing impacts, as well as cumulative impacts. Alternatives to the proposed Project will be evaluated that may reduce impacts that are determined to be significant in the EIR. Mitigation may be proposed for those impacts that are determined to be significant. A mitigation monitoring program will also be developed as required by §15097 of the CEQA Guidelines. The environmental determination in this Notice of Preparation is subject to a 30-day public review period per Public Resources §21080.4 and CEQA Guidelines §15082. Public agencies, interested organizations, and individuals have the opportunity to comment on the proposed Project, to identify those environmental issues potentially affected by the Project which should be addressed further by the City of Rancho Cucamonga in the EIR.

As they are completed and distributed, the EIR/Environmental Documentation for the Project will be made available to download from the City's website: www.cityofrc.us

City of Rancho Cucamonga

Notice of Preparation of a Draft EIR

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The EIR/Environmental Documentation will be made available for review Monday through Thursday, between 7:00 AM and 6:00 PM at the following location:

City of Rancho Cucamonga
Planning Department
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Public Review Period

CEQA requires a 30-day public review period for an NOP. In accordance with CEQA, should you have any comments, please provide a written response to this NOP within the 30-day NOP period between **November 19, 2019 through December 18, 2019**.

The City is requesting comments and guidance on the scope and content of the EIR from Responsible and Trustee agencies, interested public agencies, organizations, and the general public (pursuant to CEQA Guidelines §15082). All parties that have submitted their names and mailing addresses will be notified as part of the Project's CEQA review process. If you wish to be placed on the mailing list or have any questions or need additional information, please contact the lead agency contact noted below.

Agencies: The City requests each Responsible and Trustee agency's views on the scope and content of environmental issues relevant to your agency's statutory responsibilities in connection with the proposed Project, in a manner consistent with California Code of Regulations, Title 14, Section 15082(b). Your agency may use the EIR prepared by the City when considering any permits that your agency must issue, or other approvals for the Project.

Public Comments

The City requests your careful review and consideration of this notice, and invites ***written comments*** from interested agencies, persons, and organizations regarding the preparation of the EIR. Please indicate a contact person for your agency or organization. Please send your written comments to:

Attn: David F. Eoff IV, Senior Planner
City of Rancho Cucamonga
Planning Department
10500 Civic Center Drive
Rancho Cucamonga, CA 91730
Phone: (909) 774-4312
Email: david.eoff@cityofrc.us

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Please include the name, phone number, email, and address of a contact person in your response.

You may also provide oral or written comments in person at the ***Scoping Meeting*** noted below. Comments in response to this notice must be submitted to the City through close of business (5:00 PM) on December 19, 2019.

Public Scoping Meeting

The City will have a Scoping Meeting to present updates to the Project and the CEQA process, and to receive public comments and suggestions regarding the scope and content of the EIR. The meeting will be held at the following location, date and time:

Date: December 12, 2019

Location: City of Rancho Cucamonga
Rancho Cucamonga Civic Center, Tri-Communities Room
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Time: 6:30 PM

Special Accommodations. Should you require special accommodations at the public scoping meeting, such as for the hearing impaired or an English translator, please contact the City of Rancho Cucamonga no later than December 2, 2019 (see contact information above).

Attachments:

Exhibit 1 – Regional Map

Exhibit 2 – Local Vicinity Map

Exhibit 3 –Building Site Configuration

Mayor L. Dennis Michael | Mayor Pro Tem Lynne B. Kennedy
Council Members Ryan A. Hutchison, Kristine D. Scott, Sam Spagnolo
City Manager John R. Gillison

CITY OF RANCHO CUCAMONGA

10500 Civic Center Drive | Rancho Cucamonga, CA 91730 | 909.477.2700 | www.CityofRC.us

NOTICE OF PUBLIC SCOPING MEETING AND PREPARTION OF AN ENVIRONMENTAL IMPACT REPORT

Notice is Hereby Given that a public scoping meeting will be held on December 12, 2019 at 6:30 PM at 10500 Civic Center Drive, Rancho Cucamonga, CA 91730 in The Rains conference room inside City Hall.

The Planning Department has received an application to construct 1,037,467 square feet of industrial warehouse space. The development is comprised of three warehouse buildings with ancillary office space, associated parking and landscaping on roughly 47.07 acres of land. The project site is located south of 9th Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue.

In compliance with the California Environmental Quality Act (CEQA), the City (as the Lead Agency) has determined that an Environmental Impact Report (EIR) will need to be prepared to fully evaluate the potential impacts of the proposed project. The EIR will be comprehensive in nature evaluating all identified issues from the 2019 CEQA Initial Study Checklist. The City of Rancho Cucamonga invites you to submit your written views regarding the scope of environmental issues recommended to be addressed in the EIR, and to seek your comments on what environmental effects and alternatives the EIR should study. Oral or written comments may be provided in person at the Scoping Meeting noted above. Written comments may also be provide by mail to:

City of Rancho Cucamonga Planning Department
Attn: David F. Eoff IV, Senior Planner
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

Or by email to David.Eoff@cityofrc.us.

No decision on the project will be made at this time. The purpose of the Scoping Meeting is to receive public comment regarding the preparation of the EIR only. Additional correspondence on future meetings and public hearings will be provided at a later date prior to any decisions being made on the project. Comments and responses provided by mail or email must be received no later than 5:00 PM on December 19, 2019.

If you have any questions or concerns regarding this project or this meeting, you may contact David F. Eoff IV, Senior Planner, at 909-774-4312 or by email at David.Eoff@cityofrc.us, Monday through Thursday, between the hours of 7:00 AM and 6:00 PM.

PROJECT CASE NO.: DRC 2019-00742 (9th and Vineyard Project)

DATE NOTICE MAILED: December 3, 2019

XAVIER BECERRA
Attorney General

State of California
DEPARTMENT OF JUSTICE

1300 I STREET, SUITE 125
P.O. BOX 944255
SACRAMENTO, CA 94244-2550

Public: (916) 445-9555
Telephone: (916) 210-6384
Facsimile: (916) 327-2319
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February 11, 2020

David F. Eoff
Senior Planner
City of Rancho Cucamonga Planning Department
10500 Civic Center Drive
Rancho Cucamonga, CA 91730

RE: Notice of Preparation for the 9th & Vineyard Development Project (SCH # 2019110456)

Dear Mr. Eoff:

Thank you for the opportunity to provide comments on the City of Rancho Cucamonga's Notice of Preparation (NOP) for the 9th & Vineyard Development Project ("the Project"). The NOP indicates that the City seeks comments regarding environmental concerns from the implementation of this Project located on East 9th Street, west of Vineyard Avenue in the City of Rancho Cucamonga in San Bernardino County. The Project would allow the development of three warehouse buildings totaling more than 1 million square feet near homes, schools, and a park. Given the Project's setting in a community of color that already suffers some of the worst pollution in the State, we submit these comments for the City's consideration as it prepares the draft environmental impact report (EIR).[1]

I. THE PROJECT

The Project would allow the development of approximately 47 acres into more than 1 million square feet of warehouses, with 141 dock doors for trucks to load and unload. The Project is expected to have 415 parking spots for cars and 195 parking spots for truck trailers. While the NOP does not say, warehouse projects typically operate 24 hours a day, seven days a week. The NOP also does not disclose whether the facilities will include refrigerated uses. Cold storage warehouses require diesel trucks with transport refrigeration units (TRUs), which emit significantly higher levels of toxic diesel particulate matter (PM), nitrogen oxides (NO_x), and greenhouse gas emissions than trucks without TRUs. The Project site is zoned for industrial use and presently consists of a mixture of vacant land and older structures.

[1] The Attorney General submits these comments pursuant to his independent power and duty to protect the environment and natural resources of the State. (*See* Cal. Const., art. V, § 13; Gov. Code, §§ 12511, 12600–12; *D'Amico v. Bd. of Medical Examiners* (1974) 11 Cal.3d 1, 14–15.)

II. THE PROJECT SITE IS SURROUNDED BY SENSITIVE RECEPTORS ALREADY EXPOSED TO SIGNIFICANT POLLUTION BURDENS.

The Project would allow for the development of a large warehouse complex adjacent to hundreds of residential homes on three sides and within 500 feet of two elementary schools and a preschool that predominately serve low income students and students of color.[2] An additional four schools are located in the adjacent neighborhood, as well as a skate park. (See Appendix A.) While directly south of the Project site, there are some railroad tracks and a narrow strip of auto repair facilities, beyond those facilities is a large residential neighborhood in the City of Ontario. To the west and northwest of the Project are more homes and apartments. A drainage channel borders the Project site on the eastern boundary, beyond which are other industrial uses. According to the most recent data from the American Community Study, 1,972 people live within roughly 1,000 feet of the Project site.[3]

According to CalEnviroScreen 3.0, CalEPA's screening tool that ranks each census tract in the state for pollution and vulnerability, the residential area immediately south of the Project site, located in the City of Ontario, ranks worse than 90–95% of the state. About 86% of the residents of this community are people of color and 78% of them are Latinx. This community already faces considerable air quality pollution. It is in the 91st percentile for ozone pollution, 93rd percentile for PM2.5 pollution, 94th percentile for diesel pollution, and 80th percentile for toxic chemical releases.[4] This Project would further add to the environmental and health problems faced by the families that live in this region.

III. THE CITY MUST COMPREHENSIVELY EVALUATE THE PROJECT'S ENVIRONMENTAL IMPACTS, INCLUDING CUMULATIVE IMPACTS ON SENSITIVE RECEPTORS.

The purpose of CEQA is to ensure that a lead agency fully evaluates, discloses, and, whenever feasible, mitigates a project's significant environmental effects.[5] An EIR serves as an "informational document" that informs the public and decisionmakers of the significant

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[2] San Antonio Christian School is a private elementary school that has 46 students, 91.3% of whom are people of color. National Center for Education Statistics, *available at* https://nces.ed.gov/ccd/schoolsearch/ (as of December 31, 2019). Los Amigos Elementary has 526 students, 94.87% of whom are people of color and 81.37% qualify for free or reduced price lunches. National Center for Education Statistics, *available at* https://nces.ed.gov/ccd/schoolsearch/ (as of December 31, 2019). Children's Montessori School is a school and daycare that educates children ages 2–12. *See* http://childrensmontessorica.com/ (as of January 3, 2020).

[3] *Environmental Protection Agency*, EJSCREEN, <https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017> (as of Dec. 30, 2019).

[4] In CalEnviroScreen, a census tract with a high score is one that experiences a higher pollution burden than one with a low score.

[5] Pub. Resources Code, §§ 21000–21002.1.

environmental effects of a project and ways in which those effects can be minimized.[6] CEQA requires an EIR to include "enough detail 'to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project.' "[7] In the context of air quality analysis, an EIR must "make[] a reasonable effort to substantively connect a project's air quality impacts to likely health consequences."[8]

The City's EIR must analyze the full environmental impacts of the Project, which will add a considerable number of diesel truck trips, and their attendant air pollution, to this already overburdened area. That includes the Project's impact on the sensitive receptors that surround the Project to the north and south who already suffer the health impacts of environmental pollution.[9] The area is a non-attainment area for ozone and particulate matter and Project operations will likely increase emissions of those pollutants.

The City also must sufficiently relate pollutant data to specific adverse human health effects in the Project's EIR. The California Supreme Court recently found a project's air quality impact analysis to be inadequate under CEQA because its "general description of symptoms that are associated with exposure" "fail[ed] to indicate the concentrations at which such pollutants would trigger the identified symptoms" and did not provide the public with an "idea of the health consequences that result when more pollutants are added to a nonattainment basin."[10] The Project's EIR can avoid this problem by detailing the existing conditions and projecting the impact that additional pollution will have on the community.

For instance, studies have shown that increases in near-roadway air pollution are associated with reduced lung function in non-asthmatic children.[11] Exposure may be particularly harmful during the first year of life, resulting in decreased lung function into adolescence.[12]

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[6] CEQA Guidelines, § 15121, subd. (a).
[7] *Sierra Club v. County of Fresno* [*Friant Ranch*] (2018) 6 Cal.5th 502, 516.
[8] *Ibid.* at p. 510.
[9] Because sensitive receptors are uniquely vulnerable to the health effects of environmental damage, CARB recommends 1,000 feet separation between sensitive receptors and distribution centers or other land uses that would generate more than 100 trucks per day. (California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective* (April 2005) ("CARB Handbook"), p. 4.)
[10] *Friant Ranch, supra,* 6 Cal.5th at p. 519.
[11] Urman, et al., *Associations of Children's Lung Function with Ambient Air Pollution: Joint Effects of Regional and Near-Roadway Pollutants* (2014) 69 Thorax 540, 546; Chen, et al., *Chronic Effects of Air Pollution On Respiratory Health in Southern California Children: Findings from The Southern California Children's Health Study* (2015) 7 Journal of Thoracic Disease 46, 49.
[12] Schultz, et al., *Early-Life Exposure to Traffic-Related Air Pollution and Lung Function in Adolescence* (2016) 193 American Journal of Respiratory and Critical Care Medicine 171, 174–75; Usemann, et al., *Exposure to Moderate Air Pollution and Associations with Lung Function at School-Age: A Birth Cohort Study* (2019) 126 Environment International 682, 688.

Increased NO_x emissions are also associated with an increased risk of developing asthma.[13] Human health is not the only potential impact from Project-generated air emissions. Chronic exposure to air pollution may negatively influence children's cognitive processing and memory.[14] Since the Project seeks to build near elementary schools, a preschool, and a park, the EIR should account for the Project's cumulative impacts on the community.

IV. THE CITY SHOULD CONSIDER ALL FEASIBLE MEASURES TO MITIGATE ANY POTENTIALLY SIGNIFICANT PROJECT IMPACTS

CEQA requires a lead agency to adopt all feasible mitigation measures that minimize the significant environmental impacts of a project.[15] The lead agency is expected to develop mitigation in an open public process,[16] and mitigation measures must be fully enforceable and nondeferrable.[17] To the extent the EIR determines the Project will have significant environmental impacts—especially any affecting sensitive receptors—the City should consider robust mitigation measures to avoid or limit those impacts.

For example, a non-exhaustive list of possible air quality mitigation measures[18] includes:

- Requiring buffer zones of at least 1,000 feet between warehouses and sensitive receptors;
- Ensuring that operations of diesel trucks or equipment on site are as far from sensitive receptors as possible;
- Limiting operation and construction days and times;
- Establishing and enforcing truck routes that avoid sensitive receptors;
- Requiring special consideration and mitigation for warehouses with cold storage capability, including requiring the use of zero-emission or all-electric, plug-in capable TRUs;
- Establishing fleet requirements for warehouse tenants and carriers serving tenants, such as requiring the exclusive use of zero-emission delivery trucks and vans and requiring

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[13] Gauderman, et. al., *Childhood Asthma And Exposure To Traffic And Nitrogen Dioxide* (2005) 16 Epidemiology 737, 742; Nishimura, et al., *Early-Life Air Pollution and Asthma Risk in Minority Children. The GALA II and SAGE II Studies* (2013) 188 American Journal of Respiratory and Critical Care Medicine 309, 312.

[14] Grineski, et al., *Hazardous Air Pollutants Are Associated With Worse Performance In Reading, Math, And Science Among US Primary Schoolchildren* (2019) Environmental Research 108925.

[15] Pub. Resources Code, § 21100, subd. (b)(3).

[16] *Communities for a Better Environment v. City of Richmond* (2010) 184 Cal.App.4th 70, 93.

[17] CEQA Guidelines, § 15126.4

[18] For more in-depth information about potential air quality mitigation measures near high volume roadways, see CARB's Technical Advisory on the topic and, more generally, the CARB Handbook, which offers more mitigation ideas. Both are available at https://www.arb.ca.gov/ch/landuse.htm. The mitigation measures included here are focused on air quality; however, additional mitigation measures may be necessary for traffic, noise, or other significant impacts.

any Class 8 trucks entering the site use zero-emissions technology or meet CARB's lowest optional NO_x emissions standard;
- Requiring installation of indoor air filtration at nearby and residences;
- Requiring installation of indoor air filtration and climate control at the warehouse to reduce-impacts on workers;
- Requiring electric vehicle charging infrastructure for both cars and trucks necessary to support zero-emission vehicles and equipment on site;
- Requiring and enforcing no idling policies;
- Requiring the use of electric-powered yard equipment onsite;
- Requiring that all construction equipment meet Tier 4 emission standards;
- Constructing new or improved transit stops, sidewalks, bicycle lanes, crosswalks, and traffic control or traffic safety measures, such as speed bumps or speed limits;
- Improving vegetation and tree canopy for community members in and around the Project site;
- Requiring methods to reduce employee vehicle traffic, such as van shuttles, transit and carpool incentives, and bicycle parking and facilities for employees;
- Requiring installation of solar panels with backup energy storage on each building roof area with a capacity that matches the maximum allowed for distributed solar connections to the grid;
- Adhering to California green building standards; and
- Constructing the warehouse to meet Leadership in Energy and Environmental Design standards.

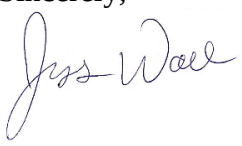
Mitigation measures like these have been adopted by similar projects throughout California. The Attorney General's Office would be happy to provide any assistance it can as the City considers how best to mitigate the Project's environmental impacts.

V. CONCLUSION

This Project's EIR affords the City the opportunity to serve its constituents by transparently evaluating, disclosing, and mitigating the environmental impacts of this proposed Project. When implemented well, CEQA builds public trust and promotes sustainable development that will serve the local community for years to come. The Project could result in a large expansion of industrial uses in Rancho Cucamonga, along with those uses' environmental impacts. The City is correct that a project of this size and potential impacts necessitates an EIR. In drafting the EIR, we urge the City to identify and evaluate the Project's impacts comprehensively, particularly those affecting the many nearby sensitive receptors. CEQA entitles this already-overburdened community to full disclosure and mitigation of the environmental impacts of the Project prior to its approval.

Please do not hesitate to contact me if you have any questions or would like to discuss these issues further.

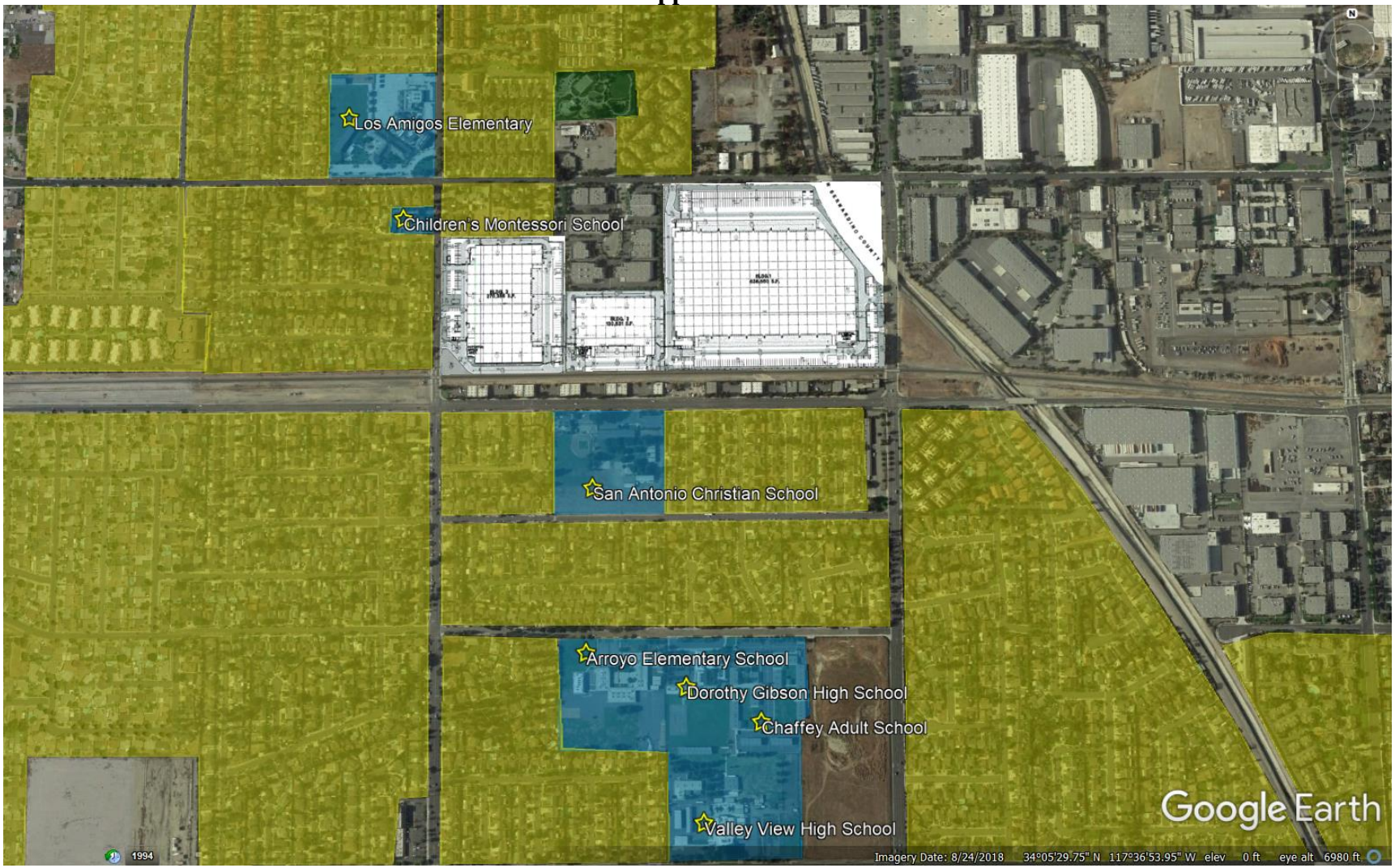
Sincerely,



JESSICA WALL
Deputy Attorney General

For XAVIER BECERRA
Attorney General

Appendix:



Satellite Image of Project Area with Blueprint of Proposed Warehouses, Existing Residential in Yellow, Schools in Blue, and Parks in Green

Appendix B-1

CalEEMod Data Sheets

9th and Vineyard Detailed Report

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2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

3.2. Site Preparation (2025) - Mitigated

3.3. Grading (2025) - Unmitigated

3.4. Grading (2025) - Mitigated

3.5. Building Construction (2025) - Unmitigated

3.6. Building Construction (2025) - Mitigated

3.7. Paving (2025) - Unmitigated

3.8. Paving (2025) - Mitigated

3.9. Architectural Coating (2025) - Unmitigated

3.10. Architectural Coating (2025) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9th and Vineyard
Construction Start Date	1/1/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.09426837194951, -117.6154832632448
County	San Bernardino-South Coast
City	Rancho Cucamonga
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5277
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	969	1000sqft	22.2	969,096	238,433	—	—	—
Parking Lot	180	1000sqft	4.13	0.00	0.00	—	—	—
Other Asphalt Surfaces	559	1000sqft	12.8	0.00	0.00	—	—	—
General Office Building	13.0	1000sqft	0.30	13,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.25	56.8	10.4	56.7	0.06	0.12	7.83	7.94	0.12	1.89	2.01	—	14,449	14,449	0.78	1.02	39.8	14,812
Mit.	3.25	56.8	10.4	56.7	0.06	0.12	7.83	7.94	0.12	1.89	2.01	—	14,449	14,449	0.78	1.02	39.8	14,812
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.69	58.8	9.78	41.4	0.06	0.12	7.89	7.99	0.12	3.99	4.09	—	12,678	12,678	0.73	0.98	0.92	12,988
Mit.	2.69	58.8	9.78	41.4	0.06	0.12	7.89	7.99	0.12	3.99	4.09	—	12,678	12,678	0.73	0.98	0.92	12,988

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.35	14.0	5.10	23.8	0.03	0.06	3.68	3.75	0.06	0.99	1.05	—	6,576	6,576	0.36	0.45	7.29	6,727
Mit.	1.35	14.0	5.10	23.8	0.03	0.06	3.68	3.75	0.06	0.99	1.05	—	6,576	6,576	0.36	0.45	7.29	6,727
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	2.55	0.93	4.35	0.01	0.01	0.67	0.68	0.01	0.18	0.19	—	1,089	1,089	0.06	0.07	1.21	1,114
Mit.	0.25	2.55	0.93	4.35	0.01	0.01	0.67	0.68	0.01	0.18	0.19	—	1,089	1,089	0.06	0.07	1.21	1,114
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	56.8	10.4	56.7	0.06	0.12	7.83	7.94	0.12	1.89	2.01	—	14,449	14,449	0.78	1.02	39.8	14,812
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.69	58.8	9.78	41.4	0.06	0.12	7.89	7.99	0.12	3.99	4.09	—	12,678	12,678	0.73	0.98	0.92	12,988
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.35	14.0	5.10	23.8	0.03	0.06	3.68	3.75	0.06	0.99	1.05	—	6,576	6,576	0.36	0.45	7.29	6,727
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	0.25	2.55	0.93	4.35	0.01	0.01	0.67	0.68	0.01	0.18	0.19	—	1,089	1,089	0.06	0.07	1.21	1,114

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	56.8	10.4	56.7	0.06	0.12	7.83	7.94	0.12	1.89	2.01	—	14,449	14,449	0.78	1.02	39.8	14,812
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.69	58.8	9.78	41.4	0.06	0.12	7.89	7.99	0.12	3.99	4.09	—	12,678	12,678	0.73	0.98	0.92	12,988
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.35	14.0	5.10	23.8	0.03	0.06	3.68	3.75	0.06	0.99	1.05	—	6,576	6,576	0.36	0.45	7.29	6,727
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.25	2.55	0.93	4.35	0.01	0.01	0.67	0.68	0.01	0.18	0.19	—	1,089	1,089	0.06	0.07	1.21	1,114

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.1	33.8	48.4	272	0.28	1.04	15.6	16.6	0.99	3.99	4.98	931	41,723	42,654	96.8	3.26	74.0	46,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.27	26.6	48.8	221	0.26	0.97	15.6	16.5	0.93	3.99	4.92	931	40,609	41,540	96.8	3.28	1.95	44,937

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.0	31.1	41.4	200	0.26	0.92	15.4	16.3	0.87	3.94	4.82	931	38,964	39,895	96.7	3.27	32.0	43,320
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.01	5.67	7.55	36.5	0.05	0.17	2.81	2.97	0.16	0.72	0.88	154	6,451	6,605	16.0	0.54	5.29	7,172

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Area	7.60	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Total	14.1	33.8	48.4	272	0.28	1.04	15.6	16.6	0.99	3.99	4.98	931	41,723	42,654	96.8	3.26	74.0	46,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Area	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Total	6.27	26.6	48.8	221	0.26	0.97	15.6	16.5	0.93	3.99	4.92	931	40,609	41,540	96.8	3.28	1.95	44,937
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.88	16.8	38.9	0.21	0.23	15.4	15.6	0.22	3.94	4.16	—	22,008	22,008	1.26	2.11	31.9	22,699
Area	5.20	27.2	0.25	29.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	120	120	0.01	< 0.005	—	121
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.13	0.74	19.3	127	0.02	0.25	—	0.25	0.23	—	0.23	—	4,726	4,726	0.14	0.02	—	4,736
Total	11.0	31.1	41.4	200	0.26	0.92	15.4	16.3	0.87	3.94	4.82	931	38,964	39,895	96.7	3.27	32.0	43,320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758
Area	0.95	4.96	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Energy	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	1,760	1,760	0.16	0.01	—	1,767
Water	—	—	—	—	—	—	—	—	—	—	—	71.8	245	317	7.39	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Off-Road	0.21	0.14	3.53	23.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	782	782	0.02	< 0.005	—	784
Total	2.01	5.67	7.55	36.5	0.05	0.17	2.81	2.97	0.16	0.72	0.88	154	6,451	6,605	16.0	0.54	5.29	7,172

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Area	7.60	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Total	14.1	33.8	48.4	272	0.28	1.04	15.6	16.6	0.99	3.99	4.98	931	41,723	42,654	96.8	3.26	74.0	46,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Area	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Total	6.27	26.6	48.8	221	0.26	0.97	15.6	16.5	0.93	3.99	4.92	931	40,609	41,540	96.8	3.28	1.95	44,937
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.88	16.8	38.9	0.21	0.23	15.4	15.6	0.22	3.94	4.16	—	22,008	22,008	1.26	2.11	31.9	22,699
Area	5.20	27.2	0.25	29.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	120	120	0.01	< 0.005	—	121
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	10,629	10,629	0.97	0.06	—	10,672
Water	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Off-Road	1.13	0.74	19.3	127	0.02	0.25	—	0.25	0.23	—	0.23	—	4,726	4,726	0.14	0.02	—	4,736
Total	11.0	31.1	41.4	200	0.26	0.92	15.4	16.3	0.87	3.94	4.82	931	38,964	39,895	96.7	3.27	32.0	43,320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758
Area	0.95	4.96	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Energy	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	1,760	1,760	0.16	0.01	—	1,767
Water	—	—	—	—	—	—	—	—	—	—	—	71.8	245	317	7.39	0.18	—	555
Waste	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Off-Road	0.21	0.14	3.53	23.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	782	782	0.02	< 0.005	—	784
Total	2.01	5.67	7.55	36.5	0.05	0.17	2.81	2.97	0.16	0.72	0.88	154	6,451	6,605	16.0	0.54	5.29	7,172

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	160	160	0.01	< 0.005	—	160
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	226	226	0.01	0.01	0.02	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.91	6.91	< 0.005	< 0.005	0.01	7.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	160	160	0.01	< 0.005	—	160

Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	226	226	0.01	0.01	0.02	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.91	6.91	< 0.005	< 0.005	0.01	7.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.27	2.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	398	398	0.02	< 0.005	—	399
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.9	65.9	< 0.005	< 0.005	—	66.1

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	258	258	0.01	0.01	0.03	262
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.27	2.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	398	398	0.02	< 0.005	—	399
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.9	65.9	< 0.005	< 0.005	—	66.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	258	258	0.01	0.01	0.03	262
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.03	16.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.90	6.35	0.01	0.02	—	0.02	0.02	—	0.02	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	176	176	0.01	< 0.005	—	177
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.09	1.89	1.81	32.0	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,794	5,794	0.24	0.20	21.5	5,882
Vendor	0.49	0.14	5.51	2.98	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,966	4,966	0.39	0.75	14.0	5,214
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.77	1.99	24.1	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,312	5,312	0.25	0.20	0.56	5,379
Vendor	0.49	0.13	5.76	2.99	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,968	4,968	0.39	0.75	0.36	5,203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.87	0.77	0.96	11.3	0.00	0.00	2.35	2.35	0.00	0.55	0.55	—	2,391	2,391	0.11	0.09	4.12	2,425
Vendor	0.22	0.06	2.57	1.32	0.02	0.03	0.60	0.64	0.03	0.17	0.20	—	2,204	2,204	0.17	0.33	2.69	2,311
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.18	2.06	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	396	396	0.02	0.01	0.68	401
Vendor	0.04	0.01	0.47	0.24	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	365	365	0.03	0.06	0.45	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.03	14.3	0.02	0.04	—	0.04	0.04	—	0.04	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.90	6.35	0.01	0.02	—	0.02	0.02	—	0.02	—	1,064	1,064	0.04	0.01	—	1,068

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	176	176	0.01	< 0.005	—	177
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.09	1.89	1.81	32.0	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,794	5,794	0.24	0.20	21.5	5,882
Vendor	0.49	0.14	5.51	2.98	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,966	4,966	0.39	0.75	14.0	5,214
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.77	1.99	24.1	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,312	5,312	0.25	0.20	0.56	5,379
Vendor	0.49	0.13	5.76	2.99	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,968	4,968	0.39	0.75	0.36	5,203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.77	0.96	11.3	0.00	0.00	2.35	2.35	0.00	0.55	0.55	—	2,391	2,391	0.11	0.09	4.12	2,425
Vendor	0.22	0.06	2.57	1.32	0.02	0.03	0.60	0.64	0.03	0.17	0.20	—	2,204	2,204	0.17	0.33	2.69	2,311
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.18	2.06	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	396	396	0.02	0.01	0.68	401
Vendor	0.04	0.01	0.47	0.24	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	365	365	0.03	0.06	0.45	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.6	45.6	< 0.005	< 0.005	—	45.7
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.57
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.92	5.92	< 0.005	< 0.005	0.01	6.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.6	45.6	< 0.005	< 0.005	—	45.7
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.57
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.92	5.92	< 0.005	< 0.005	0.01	6.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	54.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	54.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.15	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.5	31.5	< 0.005	< 0.005	—	31.6

Architectural Coatings	—	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.21	5.21	< 0.005	< 0.005	—	5.23
Architectural Coatings	—	2.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.36	6.40	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,159	1,159	0.05	0.04	4.30	1,176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.40	4.83	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,062	1,062	0.05	0.04	0.11	1,076
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	254	254	0.01	0.01	0.44	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.0	42.0	< 0.005	< 0.005	0.07	42.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	54.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	54.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.15	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.5	31.5	< 0.005	< 0.005	—	31.6

Architect Coatings	—	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.21	5.21	< 0.005	< 0.005	—	5.23
Architectural Coatings	—	2.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.36	6.40	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,159	1,159	0.05	0.04	4.30	1,176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.40	4.83	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,062	1,062	0.05	0.04	0.11	1,076
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.20	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	254	254	0.01	0.01	0.44	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.0	42.0	< 0.005	< 0.005	0.07	42.6

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehou Rail	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehou se-No Rail	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.33	3.09	15.8	45.8	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	22,803	22,803	1.24	2.09	74.0	23,530
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.13	2.89	16.6	37.5	0.21	0.23	15.6	15.8	0.22	3.99	4.21	—	21,864	21,864	1.26	2.10	1.92	22,525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.75	0.53	3.06	7.11	0.04	0.04	2.81	2.85	0.04	0.72	0.76	—	3,644	3,644	0.21	0.35	5.29	3,758

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,245	4,245	0.40	0.05	—	4,270
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.01	< 0.005	—	150
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	215	215	0.02	< 0.005	—	216

Total	—	—	—	—	—	—	—	—	—	—	—	—	4,610	4,610	0.44	0.05	—	4,637
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,245	4,245	0.40	0.05	—	4,270
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.01	< 0.005	—	150
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	215	215	0.02	< 0.005	—	216
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,610	4,610	0.44	0.05	—	4,637
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	703	703	0.07	0.01	—	707
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7	< 0.005	< 0.005	—	24.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	< 0.005	< 0.005	—	35.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	763	763	0.07	0.01	—	768

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,245	4,245	0.40	0.05	—	4,270
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.01	< 0.005	—	150
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	215	215	0.02	< 0.005	—	216
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,610	4,610	0.44	0.05	—	4,637
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,245	4,245	0.40	0.05	—	4,270
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.01	< 0.005	—	150
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	215	215	0.02	< 0.005	—	216

Total	—	—	—	—	—	—	—	—	—	—	—	—	4,610	4,610	0.44	0.05	—	4,637
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	703	703	0.07	0.01	—	707
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7	< 0.005	< 0.005	—	24.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	35.6	35.6	< 0.005	< 0.005	—	35.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	763	763	0.07	0.01	—	768

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	978	978	0.09	< 0.005	—	980
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	996	996	0.09	< 0.005	—	999

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	978	978	0.09	< 0.005	—	980
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	996	996	0.09	< 0.005	—	999

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	7.60	7.01	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Total	7.60	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.95	0.88	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Total	0.95	4.96	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.60	7.01	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Total	7.60	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95	0.88	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Total	0.95	4.96	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	1,466	1,896	44.2	1.06	—	3,317
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	14.9	19.3	0.46	0.01	—	34.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	1,466	1,896	44.2	1.06	—	3,317
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	14.9	19.3	0.46	0.01	—	34.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	71.1	243	314	7.31	0.18	—	549
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.73	2.47	3.20	0.08	< 0.005	—	5.63
Total	—	—	—	—	—	—	—	—	—	—	—	71.8	245	317	7.39	0.18	—	555

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	1,466	1,896	44.2	1.06	—	3,317

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	14.9	19.3	0.46	0.01	—	34.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	1,466	1,896	44.2	1.06	—	3,317
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	14.9	19.3	0.46	0.01	—	34.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	1,481	1,915	44.6	1.07	—	3,351
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	71.1	243	314	7.31	0.18	—	549
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.73	2.47	3.20	0.08	< 0.005	—	5.63
Total	—	—	—	—	—	—	—	—	—	—	—	71.8	245	317	7.39	0.18	—	555

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.12	0.00	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.77
Total	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.12	0.00	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.77
Total	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.34	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	—	3,513	3,513	0.07	0.01	—	3,516
Other Material Handling Equipment	1.24	1.05	11.3	20.4	0.03	0.35	—	0.35	0.32	—	0.32	—	3,122	3,122	0.13	0.03	—	3,133
Total	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.34	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	—	3,513	3,513	0.07	0.01	—	3,516
Other Material Handling Equipment	1.24	1.05	11.3	20.4	0.03	0.35	—	0.35	0.32	—	0.32	—	3,122	3,122	0.13	0.03	—	3,133
Total	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.04	0.00	2.07	20.6	0.00	0.00	—	0.00	0.00	—	0.00	—	414	414	0.01	< 0.005	—	415
Other Material Handling Equipment	0.16	0.14	1.46	2.65	< 0.005	0.05	—	0.05	0.04	—	0.04	—	368	368	0.01	< 0.005	—	369
Total	0.21	0.14	3.53	23.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	782	782	0.02	< 0.005	—	784

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.34	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	—	3,513	3,513	0.07	0.01	—	3,516
Other Material Handling Equipment	1.24	1.05	11.3	20.4	0.03	0.35	—	0.35	0.32	—	0.32	—	3,122	3,122	0.13	0.03	—	3,133
Total	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.34	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	—	3,513	3,513	0.07	0.01	—	3,516
Other Material Handling Equipment	1.24	1.05	11.3	20.4	0.03	0.35	—	0.35	0.32	—	0.32	—	3,122	3,122	0.13	0.03	—	3,133
Total	1.58	1.05	27.2	179	0.03	0.35	—	0.35	0.32	—	0.32	—	6,635	6,635	0.19	0.03	—	6,649
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.04	0.00	2.07	20.6	0.00	0.00	—	0.00	0.00	—	0.00	—	414	414	0.01	< 0.005	—	415
Other Material Handling Equipment	0.16	0.14	1.46	2.65	< 0.005	0.05	—	0.05	0.04	—	0.04	—	368	368	0.01	< 0.005	—	369
Total	0.21	0.14	3.53	23.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	782	782	0.02	< 0.005	—	784

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/15/2025	5.00	11.0	—
Grading	Grading	1/16/2025	2/15/2025	5.00	22.0	—
Building Construction	Building Construction	2/16/2025	9/30/2025	5.00	162	—
Paving	Paving	10/1/2025	10/15/2025	5.00	11.0	—
Architectural Coating	Architectural Coating	8/1/2025	11/30/2025	5.00	86.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Backh	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	411	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	161	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	411	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	161	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,473,144	491,048	44,302

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	16.5	0.00	—
Grading	—	—	66.0	0.00	—
Paving	0.00	0.00	0.00	0.00	17.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	4.13	100%
Other Asphalt Surfaces	12.8	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,680	1,680	1,680	613,209	21,198	21,198	21,198	7,737,134
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,680	1,680	1,680	613,209	21,198	21,198	21,198	7,737,134
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,473,144	491,048	44,302

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,475,967	346	0.0330	0.0040	18,423,173
Parking Lot	157,543	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
General Office Building	226,875	346	0.0330	0.0040	356,720

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,475,967	346	0.0330	0.0040	18,423,173
Parking Lot	157,543	346	0.0330	0.0040	0.00

Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
General Office Building	226,875	346	0.0330	0.0040	356,720

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	224,103,450	3,829,025
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
General Office Building	2,310,539	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	224,103,450	3,829,025
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
General Office Building	2,310,539	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	911	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
General Office Building	12.1	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	911	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
General Office Building	12.1	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20

Other Material Handling Equipment	Diesel	Average	3.00	24.0	93.0	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Other Material Handling Equipment	Diesel	Average	3.00	24.0	93.0	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.2	annual days of extreme heat

Extreme Precipitation	5.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6
AQ-PM	98.3
AQ-DPM	74.5
Drinking Water	74.8
Lead Risk Housing	22.0
Pesticides	0.00

Toxic Releases	63.2
Traffic	27.3
Effect Indicators	—
CleanUp Sites	78.8
Groundwater	0.00
Haz Waste Facilities/Generators	86.9
Impaired Water Bodies	43.8
Solid Waste	0.00
Sensitive Population	—
Asthma	46.2
Cardio-vascular	87.7
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	51.7
Housing	61.3
Linguistic	59.0
Poverty	59.2
Unemployment	71.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	42.05055819
Employed	29.83446683
Median HI	40.27973823
Education	—

Bachelor's or higher	25.15077634
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	55.28037983
Active commuting	38.49608623
Social	—
2-parent households	6.210701912
Voting	42.51251123
Neighborhood	—
Alcohol availability	26.89593225
Park access	23.59810086
Retail density	82.29180033
Supermarket access	28.64108816
Tree canopy	27.11407674
Housing	—
Homeownership	72.5009624
Housing habitability	44.11651482
Low-inc homeowner severe housing cost burden	30.42474015
Low-inc renter severe housing cost burden	41.99923008
Uncrowded housing	35.53188759
Health Outcomes	—
Insured adults	63.91633517
Arthritis	24.0
Asthma ER Admissions	43.7
High Blood Pressure	40.5
Cancer (excluding skin)	38.7

Asthma	30.0
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	35.6
Life Expectancy at Birth	55.9
Cognitively Disabled	4.2
Physically Disabled	1.3
Heart Attack ER Admissions	10.5
Mental Health Not Good	36.5
Chronic Kidney Disease	35.4
Obesity	35.5
Pedestrian Injuries	73.9
Physical Health Not Good	35.1
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	54.2
Current Smoker	36.3
No Leisure Time for Physical Activity	41.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	26.6
Elderly	18.5
English Speaking	29.9
Foreign-born	39.1
Outdoor Workers	60.5
Climate Change Adaptive Capacity	—

Impervious Surface Cover	65.4
Traffic Density	46.4
Traffic Access	23.0
Other Indices	—
Hardship	69.6
Other Decision Support	—
2016 Voting	60.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

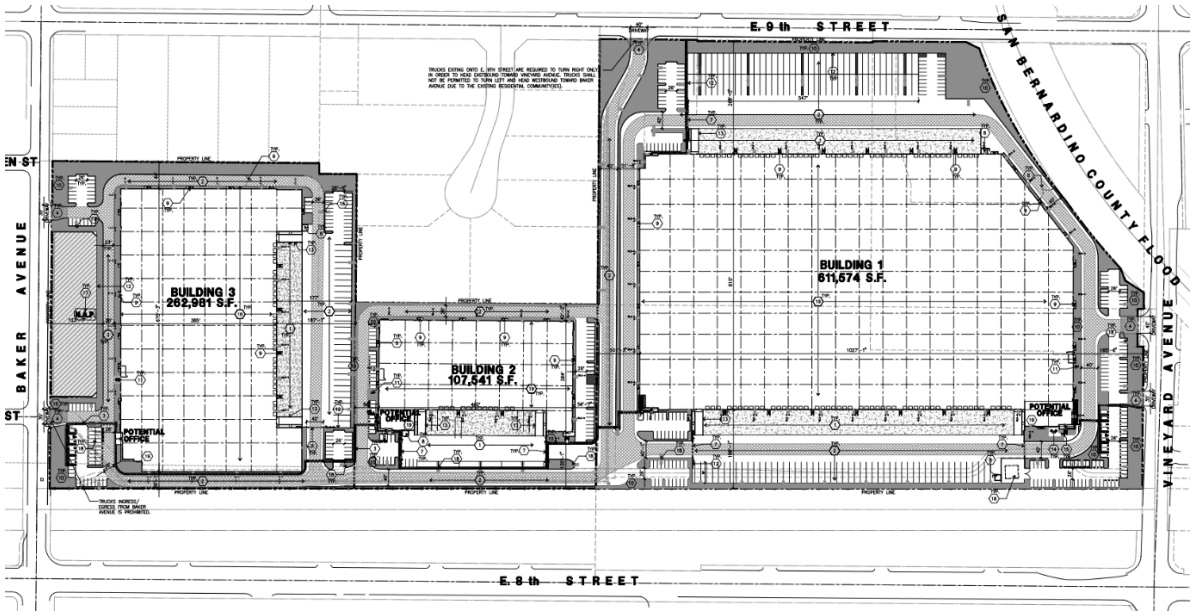
8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	phase lengths per applicant provided Data Request received 5/30/2023. Construction start date revised to Jan 2025. Architectural Coating assumed to overlap with final 4 months of Building Construction.
Operations: Vehicle Data	Revised per applicant provided daily trip total in Trip Generation Estimates. ITE Code 150 (Heavy Warehousing).
Operations: Fleet Mix	Fleet mixes revised based on project Trip Generation Estimates. Passenger Vehicle=LDA; 2-Axle=LHD2; 3-Axle=MHD; 4-Axle=HHD.
Operations: Architectural Coatings	SCAQMD Rule 1113
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Off-Road Equipment	Assuming 6 CNG forklifts (2 per warehouse) and 3 diesel yard mules (1 per warehouse)
Construction: Off-Road Equipment	Tier 4 final per applicant response to data request

Appendix B-2

Health Risk Assessment



9th and Vineyard Development Project

Construction and Operational Health Risk Assessment

prepared by

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May 2024

RINCON CONSULTANTS, INC. SINCE 1994

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1 Project Description

1.1 Introduction

The City of Rancho Cucamonga retained Rincon Consultants Inc. (Rincon) to conduct a Construction and Operational Health Risk Assessment (HRA) in support of the 9th and Vineyard Warehouse Project (project). This HRA analyzes the possible health effects associated with toxic air contaminant (TAC) emissions generated by the construction and operation of three warehouse located at the southwest corner of 9th Street and Vineyard Avenue in Rancho Cucamonga, California.

1.2 Executive Summary

The proposed project involves the construction and operation of three warehouse buildings with a total of 154 truck trips per day. Access to the project site by trucks would be provided via two ingress/egress driveways: one from 9th Street and one from Vineyard Avenue. The nearest sensitive receptors to the project site are residences located approximately 50 feet to the north and 80 feet to the west of the project site boundary. San Antonio Christian School is located approximately 130 feet to the south of the project site on 8th Street.

This HRA used site-specific air dispersion modeling to determine whether health risks presented to nearby residents by both construction and operation of the proposed project exceed the South Coast Air Quality Management District's (SCAQMD) health risk criteria. Potential health risks to nearby sensitive receptors from TAC emissions during project construction were analyzed in accordance with the SCAQMD *Risk Assessment Procedures for Rules 1401, 1401.1 and 212* (SCAQMD 2017) and the OEHHA *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015).

For operational health risk, the California Air Resources Board's (CARB) *Air Quality and Land Use Handbook: A Community Health Perspective* notes that warehouse facilities with over 100 trucks per day can be a source of TACs due to diesel particulate matter (DPM) emissions (CARB 2005). Exposure to TACs associated with warehouse facilities is dependent on a number of site-specific parameters, including site design and configuration, number of daily trucks, number of transportation refrigeration units (TRUs), location of parking and loading docks, and meteorological conditions.

SCAQMD has health risk criteria for cancer risk and non-cancer risk (i.e., chronic and acute). Cancer risk is expressed as the incremental excess cancer risk, or the maximum number of new cancer cases that could occur in a population of one million people due to exposure to a cancer-causing substance. For example, a cancer risk of one in one million means that in a population of one million people, not more than one additional person would be expected to develop cancer as the result of the exposure to the substance causing that risk.

Potential acute health risks include severe symptoms that develop rapidly and lead quickly to a health crisis due to exposure to a harmful substance, whereas chronic health risks include health crises, such as lung inflammation, immune suppression, and immune sensitization, which develop due to exposure to low levels of a harmful substance over a long period of time.

Typically, cancer risk is analyzed over a specific exposure duration, such as the average residency (50-percentile) of nine years or high-end residency (95-percentile) of 30 years (OEHHA 2015). Thirty years is the exposure duration scenario recommended by the SCAQMD for residential receptors in Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (2017).

The maximum exposed individual receptor (MEIR) near the project site would be exposed to a 30-year excess cancer risk of approximately 3.06 in one million, which does not exceed SCAQMD's recommended cancer risk criteria of ten excess cases of cancer in one million individuals (SCAQMD 2019). Chronic health risk is 0.0033, which does not exceed SCAQMD's hazard index (HI) threshold of 1 (SCAQMD 2019). Acute health risk was not quantified as there is no acute exposure risk associated with DPM exposure.

1.3 Project Site and Description

The proposed project is located south of East 9th Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the southwestern area of the City of Rancho Cucamonga. The project site is denoted by nine Assessor Parcel Numbers (APNs): 0207-271-25, 0207-271-27, 0207-271-39, 0207-271-40, 0207-271-89, 0207-271-93, 0207-271-94, 0207-271-96, and 0207-271-97. The project site has been previously developed but is currently vacant, with the exception of an abandoned home on the west side of the site at 8803 Baker Avenue which would not be disturbed as a result of project construction. Adjacent properties to the north are zoned for Industrial Park, Industrial Employment, Neo-Industrial, and Medium Density Residential. Properties to the west are zoned Low Density Residential. The BNSF railway and properties zoned for Industrial uses are directly south of the site. Figure 1 shows the location of the site in the region and Figure 2 shows the project site in its neighborhood context. Figure 3 shows the project layout.

Figure 1 Regional Location

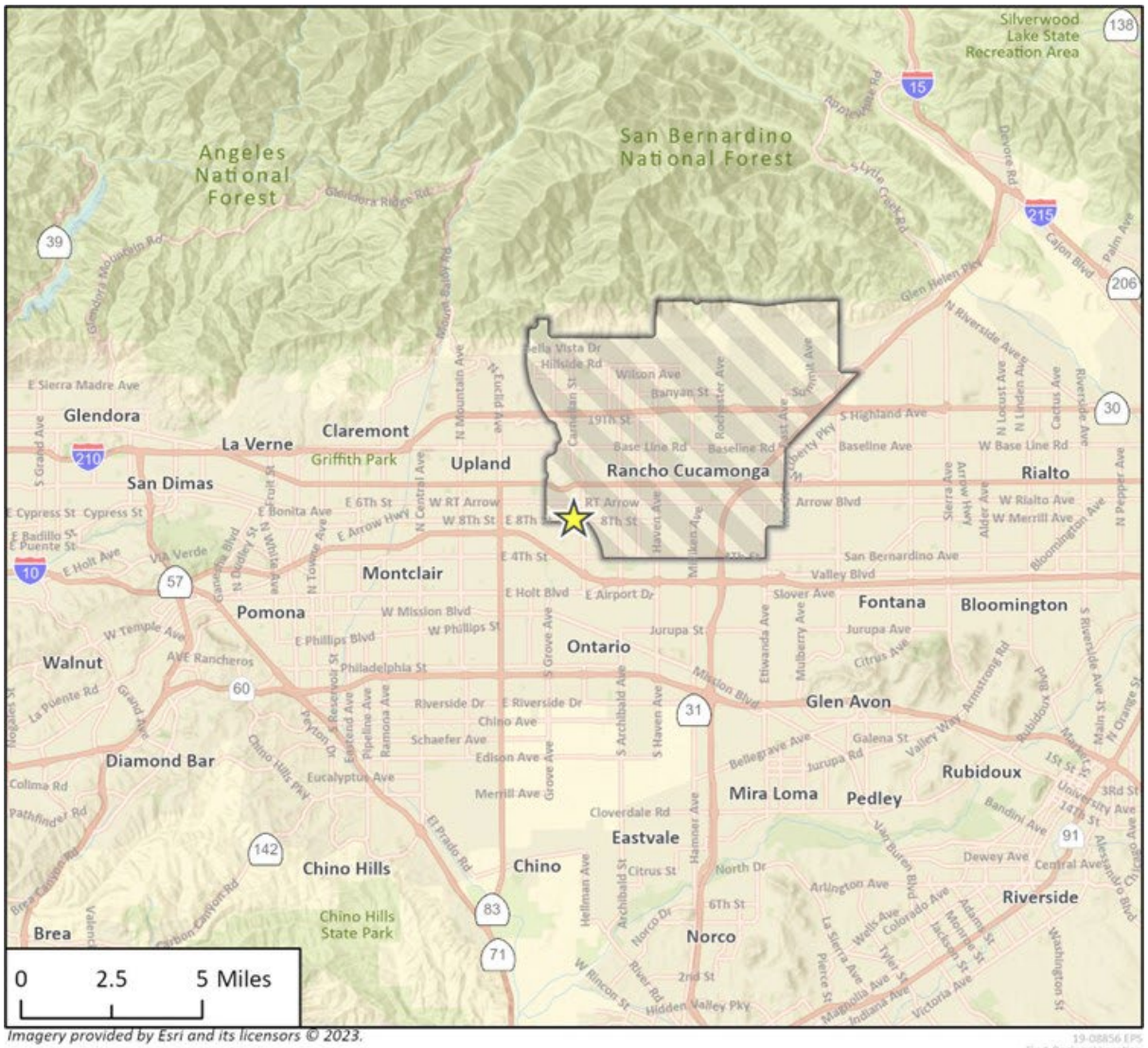
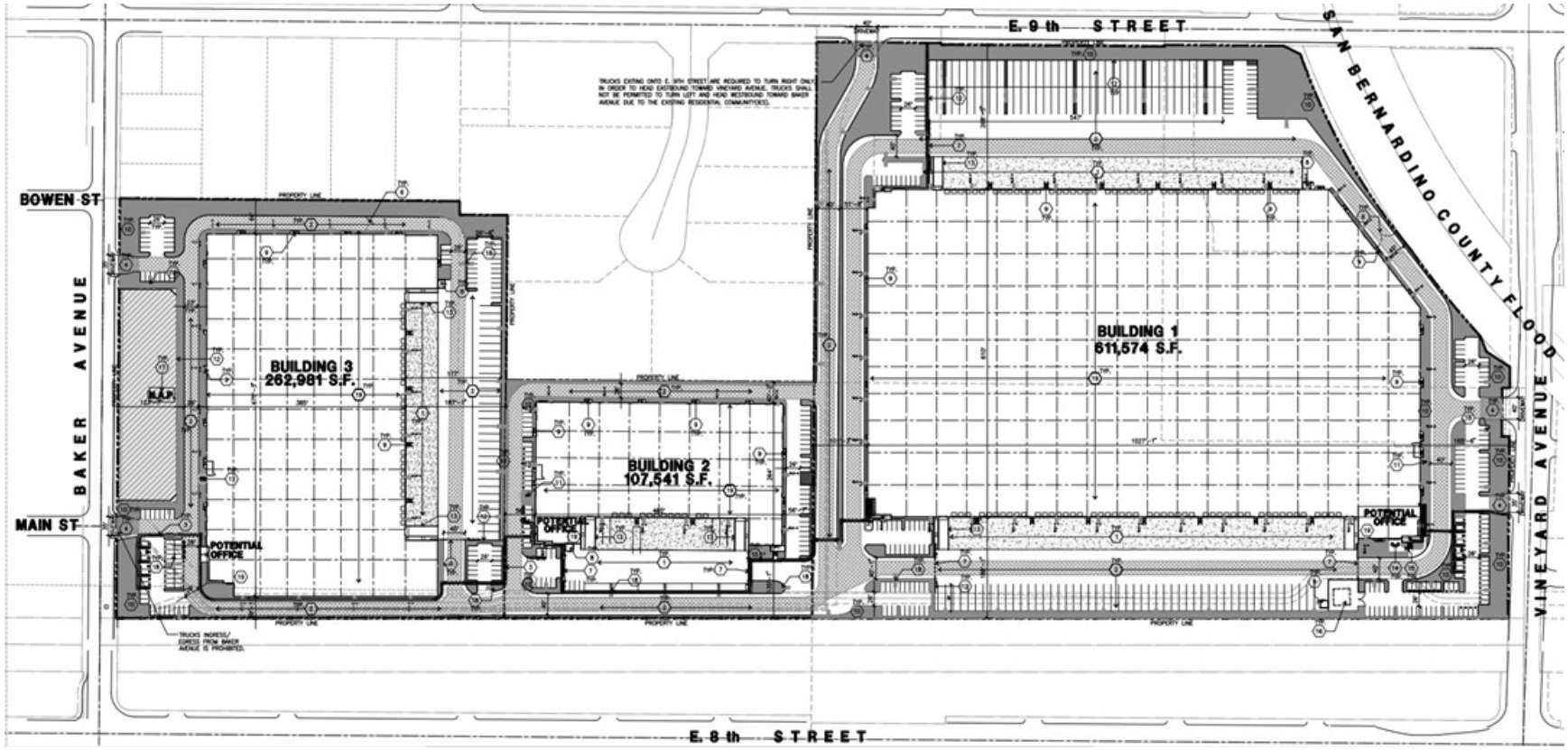


Figure 2 Project Location



Imagery provided by Microsoft Bing and its licensors © 2023. Project boundary was digitized from a site plan and is approximate.

Figure 3 Project Site Plan



2 Air Quality Background

2.1 Local Climate and Meteorology

The project site is in the South Coast Air Basin (SCAB), which is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area in Riverside County. The regional climate in the SCAB is semi-arid and is characterized by warm summers, mild winters, infrequent seasonal rainfall, moderate daytime onshore breezes, and moderate humidity. Air quality in the SCAB is primarily influenced by meteorology and a wide range of emissions sources, such as dense population centers, substantial vehicular traffic, and industry.

2.2 Toxic Air Contaminants

A TAC is an air pollutant that may cause or contribute to an increase in mortality or serious illness or which may pose a present or potential hazard to human health. TACs may result in long-term health effects such as cancer, birth defects, neurological damage, asthma, or genetic damage, or short-term acute effects such as eye watering, respiratory irritation, runny nose, throat pain, and headaches. TACs are considered either carcinogenic or non-carcinogenic based on the nature of the health effects associated with exposure. For carcinogenic TACs, potential health impacts are evaluated in terms of overall relative risk expressed as excess cancer cases per one million exposed individuals. Non-carcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

TACs include both organic and inorganic chemical substances. One of the main sources of TACs in California is diesel engines that emit exhaust containing solid material known as diesel particulate matter; however, TACs may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities.

2.3 Air Quality Regulation

Federal and state governments have established ambient air quality standards for the protection of public health. The United States Environmental Protection Agency is the federal agency designated to administer air quality regulation, while the CARB is the state equivalent in the California Environmental Protection Agency (CalEPA). County-level Air Quality Management Districts (AQMDs) provide local management of air quality. The CARB has established air quality standards and is responsible for the control of mobile emission sources, while the local AQMDs are responsible for enforcing standards and regulating stationary sources. The SCAQMD is the designated air quality control agency in the SCAB.

2.3.1 Toxic Air Contaminants

In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (Assembly Bill [AB] 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of TACs and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, ascertain health risks, notify nearby residents of significant risks, and reduce those significant risks to acceptable levels. The Children's Environmental Health Protection Act, California Senate Bill 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air quality monitoring network, and develop any additional air toxic control measures needed to protect children's health.

2.4 Sensitive Receptors

SCAQMD Risk Assessment Procedures define receptors as any location outside the boundaries of a facility at which a person could experience repeated, continuous exposure. The procedures further note that sensitive receptors include any residence (e.g., private homes, condominiums, apartments, and living quarters), schools (including preschools and daycare centers), health facilities (e.g., hospitals, retirement and nursing homes, long-term care hospitals, hospices), as well as prisons, dormitories, or similar live-in housing where children, chronically ill individuals, or other sensitive persons could be exposed to TACs (OEHHA 2015). Sensitive receptors in the project vicinity include single-family residences located north, east, and south of the project site, ranging from 50 to 300 feet from the project site boundary. Other identified sensitive receptors within 1,000 feet of project site include single-family homes, Children’s Montessori School located 150 feet northwest of the project site, San Antonio Christian School located 300 feet south of the project site, and Los Amigos Elementary School located 500 feet northwest of the project site.

3 Impact Analysis

3.1 Methodology

To evaluate the potential impacts of TACs emitted during construction and operation of the warehouses, two stand-alone spreadsheets were used to quantify risk. Potential health risks to nearby sensitive receptors from the emission of TACs during construction and operations at the proposed warehouse were analyzed in accordance with the SCAQMD's *Risk Assessment Procedures for Rules 1401, 1401.1 and 212* (SCAQMD 2017) and the OEHHA *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA 2015). The modeling assumptions, emissions, and model inputs are available in Appendix A.

3.1.1 Air Dispersion Modeling

Dispersion modeling was performed using the United States Environmental Protection Agency - approved AERMOD with meteorological data from the representative SCAQMD monitoring station located in Upland. SCAQMD specifically recommends that projects use the nearest representative meteorological station for modeling, which is usually the nearest station; however, an interfering terrain feature may dictate the use of an alternate station.

Construction

Emissions from each area of construction activity were calculated using values from the CalEEMod outputs provided in the 9th and Vineyard Warehouse Project Environmental Impact Report prepared by Rincon Consultants (2024). As detailed in that report, construction characteristics such as start and end dates for each phase, grading and paving area, and building square footage were provided by the project applicant. The proposed project would not include import or export of demolished material or soil. Therefore, material hauling would not occur, and construction haul routes were excluded from modeling.

AERMOD includes a variety of source types, including point, volume, and volume line sources. In order to accurately characterize the emissions generated by construction activities at the Program site, volume line sources[1] were used to represent both mobile and stationary construction emissions sources. Construction emissions would occur during daytime hours. Therefore, the dispersion modeling allocates the emissions during the daytime construction hours.

Operation

Emissions sources (truck routes, and idling locations such as truck parking and loading docks) were located on the project site corresponding to the location of the loading docks as well as the truck parking to estimate concentrations from idling. The site would have up to 344 trucks accessing the site per day with three possible haul routes. In order to determine truck trip emissions, the fleet mixes from the original CalEEMod output were adjusted to exclude passenger vehicle trips. The adjusted CalEEMod output is included as Appendix B. As it is unknown exactly which percentage of

[1] The volume line source type within AERMOD allows the user to input linear-type sources using start and end points of the line and width of the line, as compared to the area source type, which is more appropriate for rectangular sources. Volume line sources are appropriate to use to represent construction emissions because construction equipment would largely be mobile and such activities would occur at several points within the Program site rather than a single point.

trucks would use which haul route, each of the three haul routes were modeled as 100 percent truck traffic, and as a conservative estimate of emissions, the highest risk was used to determine potential project risk.

Concentrations from running emissions for the haul trucks were determined using one of the three potential haul routes. Haul Route 1 has all trucks entering/exiting the site at the ingress on 9th Street and traveling north on Vineyard Avenue. Haul Route 2 and Haul route 3 have all trucks entering/exiting the site at the ingress on Vineyard Avenue, with Haul Route 2 traveling north and Haul Route 3 traveling south on Vineyard Avenue. Volume line sources were used to represent the haul and idling emissions. The warehouse was assumed to operate 24 hours per day, 7 days a week, for 52 weeks per year; therefore, the dispersion modeling allocates the emissions during all active operational hours.

Sensitive Receptors

Sensitive receptors identified for modeling were placed at the location of nearby residential land uses within 1,000 feet of the project site. Those sites not specifically modeled would result in risk that would be less than the risk modeled for those receptors included in the analysis due to increased dispersion of pollutants at distances greater than the 1,000-foot radius. Receptor spacing of 50 meters was used for receptors within 500 feet of the project site. Receptor spacing of 100 meters was used for all other modeled receptors.

Meteorology and Topography

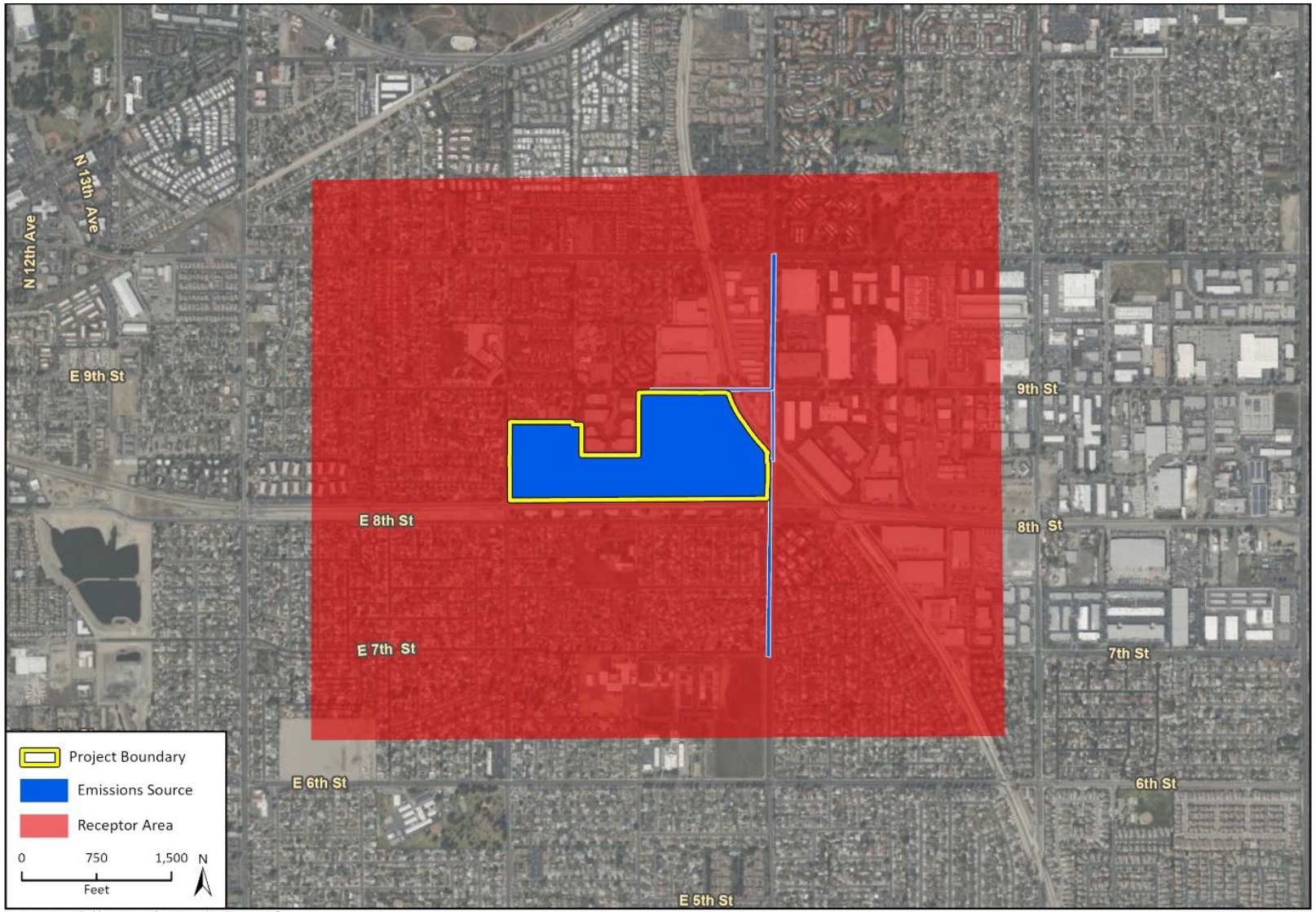
AERMOD requires meteorological and topographic data. Pre-processed meteorological data was obtained from SCAQMD's Upland station approximately 1 mile northwest of the project site. The dataset was developed by SCAQMD for use in AERMOD and includes five years of meteorological data between 2012 and 2016. AERMOD's Urban Dispersion option was applied based on an estimated population of 2,035,210 for San Bernardino County. This application is consistent with SCAQMD's Modeling Guidance for AERMOD (SCAQMD 2023). The NED 1/3 arc-second topographic model from the project area was used. Figure 4 shows the area of emissions sources and receptor locations.

3.1.2 Risk Analysis

Health risk impacts are assessed using the health risk calculation methodology that is consistent with the 2015 OEHHA Guidance. Health impacts address operational DPM emissions and the effects on nearby sensitive uses.

Health impacts are evaluated using a dose-response assessment, which describes the relationship between the level of exposure to a substance (i.e., the dose) and the incidence or occurrence of injury (i.e., the response). In order to determine the total dose to off-site sensitive receptors, the applicable pathways of exposure should be identified. The applicable exposure pathways (e.g., inhalation) are identified for the emitted substances, and the receptor locations are identified. The applicable exposure pathways determine the exposure algorithms that are used to estimate dose. After the exposure pathways are identified, the applicable fate and transport algorithms are used to estimate concentrations in the applicable exposure media (e.g., air) and the exposure algorithms are used to determine the substance-specific dose. In accordance with the OEHHA Guidance, the inhalation pathway was evaluated for operational-related DPM. For the inhalation pathway, the dose

Figure 4 Emissions Sources and Receptors



is directly proportional to the breathing rate. As a conservative (i.e., health protective) approach, maximum breathing rates were used in this analysis.

Once dose is calculated, cancer risk is calculated by accounting for cancer potency of the specific pollutant, age sensitivity, exposure duration, averaging time for lifetime cancer risk, and fraction of time spent at home (sensitive receptor). The cancer potency factor (CPF) is specific for each pollutant and is determined through peer-reviewed scientific studies. For example, the Scientific Review Panel recommends a CPF for DPM of 3.0×10-4 (µg/m^3)-1 and a slope factor of 1.1 (ppm-day)-1.[2] The ASFs account for greater susceptibility in early life as compared to adult exposure, starting from the third trimester of pregnancy to 16 years. The fraction of time at home (FAH) takes into account the time actually residing at the sensitive receptor location. FAH also takes into account time spent at home for various age groups. For example, newborns are expected to reside at home for longer periods of time compared to school-age children, and the elderly (retirees) are expected to spend more time at home compared to people of working age. School sites were analyzed as residential receptors. This represents a conservative approach because residential receptors have a longer exposure than school receptors (30 years rath than up to 9 years). Construction of the proposed project would occur over less than one year. Therefore, only the birth to 2-year age bin was used. This represents a conservative analysis because the birth to 2-year age bin has the highest DBR. For project operation, an FAH of 0.85 was used for 3rd trimester and birth to 2-year age bins; 0.72 was used for the 3-to-16-year age bin; and 0.73 was used for the 17- to 30-year age bin consistent with OEHHA guidelines. Risk from construction and operation were then combined in order to determine the maximum risk for receptors.

Each age group has different exposure parameters which require cancer risk to be calculated separately for each age group. The estimation of cancer risk uses the following algorithms:

Risk = Dose inhalation × Inhalation CPF × ASF (Equation 1)

Where:

Dose inhalation = CAIR × DBR × A × EF × ED × FAH/AT (Equation 2)

Inhalation CPF = inhalation cancer potency factor

ASF = age-sensitivity factor

Where:

CAIR = concentration of compound in air in micrograms per cubic meter (µg/m^3)

DBR = breathing rate in liter per kilogram of body weight per day (L/kg-body weighty/day)

A = inhalation absorption factor (1 for DPM)

EF = exposure frequency in days per year (day/year)

ED = exposure duration in years (year)

FAH = fraction of time at home

AT = averaging time period over which exposure is averaged in days (day)

[2] CPF and slope factors are built into the HARP2 model used for quantifying risk.

The OEHHA recommended values for the equations described, as well as the daily breathing rates (DBF) above were used in the HRA. Specific modeling details are included in Appendices A and B.

The incremental increase in cancer risk is the result of multiplying the dose by the pollutant-specific CPF values. Cancer risk is calculated by multiplying the inhalation dose by the inhalation CPF to yield the potential inhalation excess cancer risk. Cancer risk was evaluated for sensitive receptors in the surrounding area. Only the risk from the maximally exposed receptor is reported/analyzed herein. Risk for all receptors is included as part of Appendix A. Assumptions and Modeling outputs are included as Appendices A and B, respectively.

Non Cancer Risk

Non-cancer chronic impacts were assessed based on the HI. The evaluation of chronic impacts is based on the maximum annual emissions over a 30-year period of operational activity. The chronic HI is calculated by dividing the maximum modeled annual average concentration at the maximum impacted sensitive receptor by the recommended exposure limit (REL). The REL is the concentration at or below which no adverse health effects are anticipated. For example, OEHHA has recommended an ambient concentration of 5 $\mu g/m^3$ as the chronic inhalation REL for DPM exhaust. Therefore, a sensitive receptor exposed to an annual average DPM concentration of 5 $\mu g/m^3$ or less would not result in a chronic impact. Non-cancer chronic impacts affect specific target organ systems (also called toxicological endpoints), such as the eye, nervous system, reproductive system, and respiratory system. The chronic health impact with the maximum HI for the same target organ system is used for impact determination.

3.2 Significance Thresholds

SCAQMD has developed significance thresholds for the emissions of TACs based on health risks associated with elevated exposure to such compounds. For carcinogenic compounds, cancer risk is assessed in terms of incremental excess cancer risk. A project would result in a potentially significant impact if it would generate an incremental excess cancer risk of 10 in one million (1×10^{-6}). Additionally, non-carcinogenic health risks are assessed in terms of a hazard index. A project would result in a potentially significant impact if it would result in a chronic and acute hazard index greater than 1.0 (SCAQMD 2019).

3.3 Results

The project would operate a warehouse with up to 344 truck trips per day within the SCAQMD's jurisdiction. The incremental excess cancer risk is an estimate of the added risk a person exposed to a specific source of a TAC may have of developing cancer from that exposure, with all other conditions held constant. To provide a perspective on risk, the American Cancer Society (2018) reports that in the United States, men have about a 40 in 100 chance (0.40 probability) and women about a 38 in 100 chance (0.38) of developing cancer during a lifetime. Based on this background cancer risk level in the general population, application of a 1.0×10^{-5} excess risk limit means that the contribution from a toxic hazard should not cause the resultant cancer risk for the exposed population to exceed 0.40001 for men or 0.38001 for women.

The MEIR is the modeled residential receptor experiencing the highest incremental excess cancer risk under 30-year residential exposure duration during operation in addition to the duration of construction. The MEIR near the project site would be exposed to a 30-year excess cancer risk of

approximately 3.06 in one million, which does not exceed SCAQMD's recommended cancer risk criteria of ten excess cases of cancer in one million individuals (SCAQMD 2019). The MEIR is located nearest to the residence 8692 East 9th Street, approximately 100 feet north of the project site near the northern ingress. The maximum Chronic health risk is approximately 0.0033, which does not exceed SCAQMD's HI threshold of one (SCAQMD 2019). Acute health risk was not quantified as there is no acute exposure risk associated with DPM exposure.

Appendix A summarizes the incremental excess cancer risk at each of the modeled receptors for the 30-year operational exposure duration plus construction duration. None of these risks exceed the SCAQMD threshold of 10 in one million. Modeling outputs are provided in Appendix C.

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Appendix A

Assumptions, Emissions and Summaries

9th and Vineyard Operational HRA

Unmitigated Operational Health Risk - Assumptions

Date: 7/26/2023

	3rd	0-2	2-16	>16	Units	
DBR	361	1090	631	261	L/kg	
A	1				no units	
EF	0.95890411				years	
Constant 1	0.000001				no units	
CPF	1.1				mg/kg-day-1	
ASF	10	10	3	1	no units	
Operational - ED	**0.25**	2.00	14.00	14.00	years	
AT	70				years	
FAH	1	1	1	1	day	
Constant 2	1,000,000				no units	
Dose Constant	3.46E-04	1.05E-03	6.05E-04	2.50E-04		= DBR * A * EF * Constant1
Risk Constant	1.57E-01	1.57E-01	4.71E-02	1.57E-02		= CPF * ASF * (1/AT) * FHA

Source: OEHHA 2015

Dose = (Cair X DBR X A X EF X Constant 1)

- Cair = concentration in air ($\mu g/m^3$)
- DBR = daily breathing rate normalized to body weight (l/kg bod weight -day)
- A = Inhalation adsorption factor (unitless)
- EF = Exposure frequency (unitless), days/365 days
- Constant 1 = micrograms to milligrams conversion, liters to cubic meters conversion

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

- Dose = Daily inhalation dose (mg/kg-day)
- CPF = Inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
- ASF = Age sensitivity factor for a specified age group (unitless)
- ED = Exposure duration (in years) for a specified age group
- AT = Averaging time for lifetime cancer risk (years)
- FAH = Fraction of time spent at home (unitless)

Risk per Million = Cancer Risk X Constant 2

FAH

If school is within the 1 per million cancer bracket:		If school is not within the 1 per milliion cancer bracket:	
3rd to 2 years	1	3rd to 2 years	0.85
2 to 16	1	2 to 16	0.72
16-30	0.73	16-30	0.73

Source: OEHHA 2015

9th and Vineyard Operational HRA

Unmitigated Operational Health Risk - Assumptions

Concentrations

	Source ID	PM10 (g/mile)	PM10 (gr/day)	PM10 (gr/sec)	PM10 (g/min)	PM10 (gr/day)	PM10 (gr/sec)
Parking	Building 1N				0.001304	0.730501	8.45488E-06
Dock	Building 1N				0.001304	0.730501	8.45488E-06
OS Haul E	Building 1N	1.23E-03	0.07	8.08E-07			
Parking	Building1S				0.001304	0.730501	8.45488E-06
Dock	Building1S				0.001304	0.730501	8.45488E-06
OS Haul E	Building1S	1.23E-03	0.07	7.67E-07			
OS Haul N	Building 1S	1.23E-03	0.10	1.15E-06			
Dock	Building 2				0.001304	0.247849	2.86862E-06
OS Haul E	Building 2	1.23E-03	0.10	1.2E-06			
OS Haul N	Building 2	1.23E-03	0.08	8.7E-07			
Parking	Building 3				0.001304	1.200109	1.38902E-05
Dock	Building 3				0.001304	0.600055	6.94508E-06
OS Haul E	Building 3	1.23E-03	0.14	1.66E-06			
OS Haul N	Building 3	1.23E-03	0.12	1.36E-06			
N Egress to Haul N	Offsite	1.23E-03	0.13	1.56E-06			
E Egress to Haul S	Offsite	1.23E-03	0.10	1.18E-06			
E Egress to Haul N	Offsite	1.23E-03	0.11	1.26E-06			

9th and Vineyard Operational HRA

Unmitigated Operational Health Risk - Assumptions

			Distance (M)		
Sources			**One way**	**Round Trip**	**Distance (mi)**
SLINE1	Building 1N	Parking	155		0
SLINE2	Building 1N	Dock	195.9		0
SLINE3	Building 1N	OS Haul E	408	816	0.507038893
SLINE4	Building1S	Parking	206.9		0
SLINE5	Building1S	Dock	217.8		0
SLINE6	Building1S	OS Haul E	387.4	774.8	0.4814384
SLINE7	Building 1S	OS Haul N	583.4	1166.8	0.725015907
SLINE8	Building 2	Dock	90.8		0
SLINE9	Building 2	OS Haul E	604.9	1209.8	0.751734868
SLINE10	Building 2	OS Haul N	439.8	879.6	0.546558101
SLINE11	Building 3	Parking	127.6		0
SLINE12	Building 3	Dock	118.4		0
SLINE13	Building 3	OS Haul E	838.5	1677	1.042039489
SLINE14	Building 3	OS Haul N	685	1370	0.851278533
SLINE15	Offsite	N Egress to Haul N	789.4	1578.8	0.981020838
SLINE16	Offsite	E Egress to Haul S	598.2	1196.4	0.743408494
SLINE17	Offsite	E Egress to Haul N	638.2	1276.4	0.79311819

Receptors

1-575 Offsite Residential

Meteorological Data: SCAQMD Upland Station

Elevation 379 m

Assumptions and Constants:

365	days per year operation (assumes 7 days per week operation)
0.000621371	miles/meter
112	Building 1 North Trucks
112	Building 1 South Trucks
38	Building 2 Trucks
92	Building 3 Trucks
24	hours per day operations
60	minutes per hour
60	seconds per minute
365	days per year operation (assumes 7 days per week operation)
10	minutes idling per day per location

9th and Vineyard Operational HRA

Unmitigated Operational Health Risk - Assumptions

9th and Vineyard Operational HRA
Unmitigated - ID - Emissions

	Unmitigated gr/mile	Unmitigated gr/vehicle/day	Unmitigated gr/min
All Sources	0.0012286		
Idle (all)		0.031307204	0.001304467

Source: CalEEMod Output

Truck Only Fleet Mix				
	Mix %	Daily Total		
2-Axel Truck	17.20116618	59	LHD2	0.0608815
3-Axel Truck	22.44897959	77	MHD	0.0794555
4-Axel Truck	60.34985423	207	HHD	0.2136011
		343		0.3539381

Source: Fehr and Peers Trip Generation Memo

VMT/day	4,327
Trips/day	343
lbs/day	4.02
lbs/mile	0.00092905
g/mile	0.421409716
g/vehicle/mile	0.0012286

Source: CalEEMod output

Calendar Year	Vehicle Category	PM10_IDLEX	Mix (%)
2025	HHDT	0.037615556	60.34985423
2025	LHDT2	0.027550049	17.20116618
2025	MHDT	0.017227247	22.44897959
	Weighted Avg:	0.031307204	100

Idle g/vehicle/day 0.031307204

Source: EMFAC 2021

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

				Cancer Risk	
Receptor #	Total Per/Million	Rec#		Const. Risk	Operational Risk
	3.06	514	<-Max	0.6	2.5
1	4.452E-02			5.65E-03	3.887E-02
2	4.538E-02			2.52E-03	4.286E-02
3	5.001E-02			2.75E-03	4.726E-02
4	5.507E-02			3.00E-03	5.206E-02
5	6.044E-02			3.27E-03	5.718E-02
6	6.603E-02			3.54E-03	6.249E-02
7	7.152E-02			3.80E-03	6.772E-02
8	7.668E-02			4.03E-03	7.265E-02
9	8.126E-02			4.21E-03	7.705E-02
10	8.490E-02			4.33E-03	8.056E-02
11	8.741E-02			4.38E-03	8.302E-02
12	8.872E-02			4.35E-03	8.437E-02
13	8.875E-02			4.24E-03	8.451E-02
14	8.720E-02			4.06E-03	8.314E-02
15	8.353E-02			3.83E-03	7.970E-02
16	7.761E-02			3.57E-03	7.405E-02
17	7.072E-02			3.29E-03	6.743E-02
18	6.374E-02			3.02E-03	6.072E-02
19	5.718E-02			2.77E-03	5.441E-02
20	5.140E-02			2.55E-03	4.886E-02
21	4.627E-02			2.35E-03	4.392E-02
22	4.172E-02			2.18E-03	3.954E-02
23	4.470E-02			2.55E-03	4.216E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
24	4.982E-02		2.82E-03	4.700E-02
25	5.563E-02		3.14E-03	5.249E-02
26	6.214E-02		3.49E-03	5.865E-02
27	6.928E-02		3.88E-03	6.541E-02
28	7.689E-02		4.28E-03	7.261E-02
29	8.460E-02		4.67E-03	7.992E-02
30	9.201E-02		5.04E-03	8.698E-02
31	9.855E-02		5.33E-03	9.322E-02
32	1.038E-01		5.52E-03	9.832E-02
33	1.076E-01		5.60E-03	1.020E-01
34	1.101E-01		5.55E-03	1.045E-01
35	1.114E-01		5.37E-03	1.061E-01
36	1.115E-01		5.09E-03	1.064E-01
37	1.070E-01		4.73E-03	1.023E-01
38	9.662E-02		4.33E-03	9.230E-02
39	8.499E-02		3.93E-03	8.107E-02
40	7.439E-02		3.54E-03	7.084E-02
41	6.523E-02		3.20E-03	6.203E-02
42	5.747E-02		2.91E-03	5.456E-02
43	5.089E-02		2.66E-03	4.823E-02
44	4.556E-02		2.45E-03	4.311E-02
45	4.842E-02		2.82E-03	4.560E-02
46	5.465E-02		3.18E-03	5.147E-02
47	6.194E-02		3.61E-03	5.833E-02
48	7.038E-02		4.11E-03	6.626E-02
49	7.999E-02		4.69E-03	7.530E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
50	9.056E-02		5.32E-03	8.525E-02
51	1.017E-01		5.95E-03	9.571E-02
52	1.126E-01		6.55E-03	1.060E-01
53	1.224E-01		7.03E-03	1.154E-01
54	1.302E-01		7.36E-03	1.229E-01
55	1.360E-01		7.49E-03	1.285E-01
56	1.402E-01		7.40E-03	1.328E-01
57	1.446E-01		7.11E-03	1.375E-01
58	1.555E-01		6.64E-03	1.489E-01
59	1.630E-01		6.06E-03	1.569E-01
60	1.285E-01		5.43E-03	1.231E-01
61	1.045E-01		4.81E-03	9.969E-02
62	8.755E-02		4.26E-03	8.330E-02
63	7.467E-02		3.78E-03	7.089E-02
64	6.452E-02		3.39E-03	6.113E-02
65	5.638E-02		3.07E-03	5.331E-02
66	4.972E-02		2.81E-03	4.692E-02
67	5.227E-02		3.11E-03	4.915E-02
68	5.980E-02		3.59E-03	5.622E-02
69	6.889E-02		4.18E-03	6.470E-02
70	7.991E-02		4.92E-03	7.499E-02
71	9.303E-02		5.81E-03	8.722E-02
72	1.082E-01		6.83E-03	1.013E-01
73	1.247E-01		7.91E-03	1.168E-01
74	1.415E-01		8.95E-03	1.325E-01
75	1.566E-01		9.81E-03	1.468E-01
76	1.689E-01		1.04E-02	1.585E-01
77	1.778E-01		1.06E-02	1.671E-01
78	1.844E-01		1.05E-02	1.739E-01

9th and Vineyard Operational HRA

Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
79	1.929E-01		9.99E-03	1.829E-01
80	2.346E-01		9.17E-03	2.255E-01
81	4.218E-01		8.16E-03	4.136E-01
82	1.833E-01		7.10E-03	1.762E-01
83	1.303E-01		6.11E-03	1.242E-01
84	1.037E-01		5.28E-03	9.840E-02
85	8.530E-02		4.60E-03	8.070E-02
86	7.239E-02		4.07E-03	6.832E-02
87	6.221E-02		3.65E-03	5.855E-02
88	5.421E-02		3.31E-03	5.090E-02
89	5.615E-02		3.42E-03	5.274E-02
90	6.520E-02		4.04E-03	6.116E-02
91	7.650E-02		4.86E-03	7.163E-02
92	9.080E-02		5.95E-03	8.486E-02
93	1.088E-01		7.36E-03	1.015E-01
94	1.313E-01		9.15E-03	1.221E-01
95	1.574E-01		1.12E-02	1.462E-01
96	1.848E-01		1.31E-02	1.717E-01
97	2.098E-01		1.47E-02	1.951E-01
98	2.292E-01		1.58E-02	2.134E-01
99	2.429E-01		1.63E-02	2.265E-01
100	2.521E-01		1.61E-02	2.359E-01
101	2.612E-01		1.52E-02	2.460E-01
102	3.088E-01		1.37E-02	2.951E-01
103	4.104E-01		1.18E-02	3.986E-01
104	2.355E-01		9.83E-03	2.256E-01
105	1.592E-01		8.15E-03	1.511E-01
106	1.217E-01		6.84E-03	1.149E-01
107	9.778E-02		5.85E-03	9.193E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
108	8.099E-02		5.10E-03	7.589E-02
109	6.852E-02		4.52E-03	6.400E-02
110	5.905E-02		4.06E-03	5.499E-02
111	5.876E-02		3.71E-03	5.505E-02
112	7.010E-02		4.51E-03	6.559E-02
113	8.340E-02		5.61E-03	7.780E-02
114	1.018E-01		7.21E-03	9.459E-02
115	1.279E-01		9.60E-03	1.183E-01
116	1.621E-01		1.30E-02	1.491E-01
117	2.061E-01		1.72E-02	1.890E-01
118	2.567E-01		2.14E-02	2.354E-01
119	3.024E-01		2.47E-02	2.777E-01
120	3.339E-01		2.70E-02	3.069E-01
121	3.565E-01		2.81E-02	3.284E-01
122	3.733E-01		2.80E-02	3.453E-01
123	3.783E-01		2.64E-02	3.519E-01
124	4.036E-01		2.32E-02	3.805E-01
125	4.796E-01		1.89E-02	4.607E-01
126	2.836E-01		1.48E-02	2.688E-01
127	1.890E-01		1.17E-02	1.773E-01
128	1.411E-01		9.46E-03	1.316E-01
129	1.109E-01		7.91E-03	1.030E-01
130	9.036E-02		6.76E-03	8.360E-02
131	7.540E-02		5.89E-03	6.952E-02
132	6.425E-02		5.19E-03	5.906E-02
133	6.056E-02		3.95E-03	5.661E-02
134	7.274E-02		4.91E-03	6.783E-02
135	8.895E-02		6.36E-03	8.260E-02
136	1.128E-01		8.73E-03	1.041E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
137	1.495E-01		1.28E-02	1.367E-01
138	2.026E-01		1.97E-02	1.829E-01
139	2.849E-01		3.09E-02	2.540E-01
140	3.983E-01		4.25E-02	3.557E-01
141	5.037E-01		5.07E-02	4.530E-01
142	5.493E-01		5.56E-02	4.937E-01
143	5.869E-01		5.94E-02	5.275E-01
144	6.554E-01		6.00E-02	5.955E-01
145	6.609E-01		5.69E-02	6.040E-01
146	5.993E-01		4.88E-02	5.506E-01
147	5.899E-01		3.61E-02	5.538E-01
148	3.424E-01		2.52E-02	3.172E-01
149	2.228E-01		1.85E-02	2.043E-01
150	1.620E-01		1.43E-02	1.478E-01
151	1.250E-01		1.15E-02	1.135E-01
152	1.004E-01		9.48E-03	9.089E-02
153	8.279E-02		8.00E-03	7.479E-02
154	6.979E-02		6.86E-03	6.293E-02
155	5.600E-02		4.09E-03	5.191E-02
156	6.958E-02		5.19E-03	6.439E-02
157	9.235E-02		6.99E-03	8.536E-02
158	1.196E-01		1.00E-02	1.096E-01
159	1.655E-01		1.63E-02	1.492E-01
160	2.465E-01		3.15E-02	2.150E-01
161	4.287E-01		8.48E-02	3.439E-01
162	7.894E-01		1.53E-01	6.368E-01
163	1.314E+00		1.84E-01	1.130E+00
164	1.238E+00		1.84E-01	1.054E+00
165	1.227E+00		2.22E-01	1.005E+00

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
166	2.048E+00		2.16E-01	1.832E+00
167	2.184E+00		2.12E-01	1.972E+00
168	1.322E+00		1.84E-01	1.138E+00
169	8.243E-01		1.02E-01	7.225E-01
170	4.257E-01		5.17E-02	3.740E-01
171	2.631E-01		3.28E-02	2.303E-01
172	1.862E-01		2.31E-02	1.631E-01
173	1.407E-01		1.74E-02	1.233E-01
174	1.111E-01		1.36E-02	9.750E-02
175	9.064E-02		1.10E-02	7.962E-02
176	7.566E-02		9.15E-03	6.651E-02
177	5.391E-02		4.22E-03	4.970E-02
178	6.789E-02		5.41E-03	6.247E-02
179	9.024E-02		7.42E-03	8.283E-02
180	1.241E-01		1.11E-02	1.130E-01
181	1.768E-01		1.93E-02	1.575E-01
182	2.813E-01		4.45E-02	2.368E-01
183	7.069E-01		2.84E-01	4.231E-01
184	1.234E+00		3.25E-01	9.092E-01
185	5.133E-01		1.04E-01	4.095E-01
186	3.042E-01		5.58E-02	2.485E-01
187	2.095E-01		3.58E-02	1.737E-01
188	1.557E-01		2.53E-02	1.304E-01
189	1.214E-01		1.89E-02	1.025E-01
190	9.802E-02		1.48E-02	8.325E-02
191	8.115E-02		1.19E-02	6.925E-02
192	4.988E-02		4.26E-03	4.561E-02
193	6.224E-02		5.46E-03	5.677E-02
194	8.156E-02		7.47E-03	7.409E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
195	1.105E-01		1.12E-02	9.931E-02
196	1.621E-01		1.94E-02	1.428E-01
197	2.593E-01		4.40E-02	2.153E-01
198	6.803E-01		2.84E-01	3.967E-01
199	1.795E+00		3.63E-01	1.432E+00
200	1.100E+00		3.00E-01	8.002E-01
201	5.558E-01		1.31E-01	4.243E-01
202	3.309E-01		7.41E-02	2.568E-01
203	2.271E-01		4.72E-02	1.799E-01
204	1.676E-01		3.28E-02	1.348E-01
205	1.298E-01		2.41E-02	1.057E-01
206	1.041E-01		1.85E-02	8.563E-02
207	8.576E-02		1.46E-02	7.113E-02
208	4.506E-02		4.25E-03	4.081E-02
209	5.586E-02		5.40E-03	5.046E-02
210	6.912E-02		7.21E-03	6.190E-02
211	9.385E-02		1.04E-02	8.341E-02
212	1.304E-01		1.67E-02	1.137E-01
213	1.991E-01		3.16E-02	1.676E-01
214	3.529E-01		7.95E-02	2.734E-01
215	6.483E-01		1.70E-01	4.785E-01
216	9.533E-01		1.99E-01	7.545E-01
217	9.433E-01		1.72E-01	7.717E-01
218	1.596E+00		4.55E-01	1.141E+00
219	9.306E-01		1.98E-01	7.326E-01
220	5.324E-01		1.17E-01	4.158E-01
221	3.318E-01		7.48E-02	2.570E-01
222	2.326E-01		5.10E-02	1.816E-01
223	1.734E-01		3.65E-02	1.369E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
224	1.349E-01		2.73E-02	1.077E-01
225	1.084E-01		2.11E-02	8.729E-02
226	8.926E-02		1.67E-02	7.253E-02
227	4.005E-02		4.18E-03	3.588E-02
228	4.841E-02		5.21E-03	4.320E-02
229	5.982E-02		6.78E-03	5.304E-02
230	7.708E-02		9.27E-03	6.780E-02
231	1.033E-01		1.34E-02	8.987E-02
232	1.407E-01		2.05E-02	1.202E-01
233	2.123E-01		3.25E-02	1.798E-01
234	3.034E-01		4.86E-02	2.548E-01
235	4.121E-01		6.50E-02	3.471E-01
236	5.317E-01		8.15E-02	4.503E-01
237	7.990E-01		1.18E-01	6.811E-01
238	1.335E+00		1.86E-01	1.149E+00
239	1.318E+00		2.14E-01	1.104E+00
240	9.109E-01		1.75E-01	7.360E-01
241	7.853E-01		1.22E-01	6.633E-01
242	4.639E-01		8.65E-02	3.774E-01
243	3.027E-01		6.29E-02	2.398E-01
244	2.199E-01		4.67E-02	1.732E-01
245	1.682E-01		3.55E-02	1.327E-01
246	1.331E-01		2.75E-02	1.056E-01
247	1.082E-01		2.18E-02	8.634E-02
248	8.980E-02		1.76E-02	7.215E-02
249	3.564E-02		4.04E-03	3.159E-02
250	4.211E-02		4.93E-03	3.718E-02
251	5.059E-02		6.19E-03	4.441E-02
252	6.349E-02		8.01E-03	5.549E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
253	8.044E-02		1.06E-02	6.984E-02
254	1.081E-01		1.44E-02	9.377E-02
255	1.417E-01		1.94E-02	1.223E-01
256	1.947E-01		2.59E-02	1.687E-01
257	2.443E-01		3.34E-02	2.109E-01
258	3.041E-01		4.22E-02	2.619E-01
259	4.044E-01		5.33E-02	3.512E-01
260	5.080E-01		6.55E-02	4.425E-01
261	5.319E-01		7.46E-02	4.573E-01
262	5.122E-01		7.49E-02	4.373E-01
263	5.896E-01		6.76E-02	5.220E-01
264	3.818E-01		5.72E-02	3.246E-01
265	2.593E-01		4.70E-02	2.123E-01
266	1.957E-01		3.82E-02	1.575E-01
267	1.544E-01		3.10E-02	1.234E-01
268	1.252E-01		2.53E-02	9.991E-02
269	1.036E-01		2.08E-02	8.281E-02
270	8.724E-02		1.73E-02	6.992E-02
271	3.102E-02		3.85E-03	2.717E-02
272	3.598E-02		4.59E-03	3.139E-02
273	4.276E-02		5.56E-03	3.721E-02
274	5.150E-02		6.83E-03	4.466E-02
275	6.311E-02		8.50E-03	5.461E-02
276	7.979E-02		1.07E-02	6.913E-02
277	1.008E-01		1.34E-02	8.743E-02
278	1.251E-01		1.67E-02	1.084E-01
279	1.577E-01		2.06E-02	1.372E-01
280	1.952E-01		2.49E-02	1.703E-01
281	2.398E-01		2.97E-02	2.101E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
282	2.864E-01		3.44E-02	2.519E-01
283	3.131E-01		3.80E-02	2.751E-01
284	3.309E-01		3.92E-02	2.916E-01
285	4.632E-01		3.89E-02	4.243E-01
286	3.091E-01		3.65E-02	2.726E-01
287	2.114E-01		3.30E-02	1.784E-01
288	1.664E-01		2.90E-02	1.374E-01
289	1.365E-01		2.51E-02	1.114E-01
290	1.135E-01		2.17E-02	9.180E-02
291	9.597E-02		1.86E-02	7.738E-02
292	8.218E-02		1.60E-02	6.618E-02
293	2.720E-02		3.64E-03	2.356E-02
294	3.126E-02		4.23E-03	2.703E-02
295	3.625E-02		4.96E-03	3.129E-02
296	4.219E-02		5.86E-03	3.633E-02
297	5.082E-02		6.98E-03	4.384E-02
298	6.121E-02		8.33E-03	5.288E-02
299	7.436E-02		9.97E-03	6.439E-02
300	9.234E-02		1.19E-02	8.042E-02
301	1.081E-01		1.40E-02	9.404E-02
302	1.331E-01		1.64E-02	1.168E-01
303	1.587E-01		1.88E-02	1.399E-01
304	1.852E-01		2.12E-02	1.640E-01
305	2.036E-01		2.30E-02	1.806E-01
306	2.338E-01		2.40E-02	2.098E-01
307	3.629E-01		2.44E-02	3.385E-01
308	2.419E-01		2.40E-02	2.179E-01
309	1.707E-01		2.32E-02	1.476E-01
310	1.377E-01		2.15E-02	1.162E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
311	1.162E-01		1.97E-02	9.649E-02
312	1.003E-01		1.78E-02	8.253E-02
313	8.709E-02		1.59E-02	7.121E-02
314	7.630E-02		1.41E-02	6.218E-02
315	2.349E-02		3.40E-03	2.008E-02
316	2.675E-02		3.87E-03	2.287E-02
317	3.052E-02		4.42E-03	2.610E-02
318	3.493E-02		5.07E-03	2.986E-02
319	3.996E-02		5.82E-03	3.414E-02
320	4.869E-02		6.74E-03	4.195E-02
321	5.673E-02		7.78E-03	4.895E-02
322	6.724E-02		8.97E-03	5.827E-02
323	8.093E-02		1.03E-02	7.066E-02
324	9.509E-02		1.16E-02	8.350E-02
325	1.112E-01		1.30E-02	9.821E-02
326	1.285E-01		1.43E-02	1.142E-01
327	1.579E-01		1.57E-02	1.422E-01
328	1.551E-01		1.61E-02	1.390E-01
329	2.207E-01		1.66E-02	2.041E-01
330	1.602E-01		1.67E-02	1.435E-01
331	1.289E-01		1.65E-02	1.124E-01
332	1.118E-01		1.60E-02	9.579E-02
333	9.837E-02		1.52E-02	8.318E-02
334	8.636E-02		1.43E-02	7.209E-02
335	7.684E-02		1.32E-02	6.364E-02
336	6.881E-02		1.21E-02	5.669E-02
337	2.081E-02		3.18E-03	1.764E-02
338	2.326E-02		3.54E-03	1.972E-02
339	2.587E-02		3.96E-03	2.191E-02

9th and Vineyard Operational HRA

Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
340	2.957E-02		4.43E-03	2.514E-02
341	3.330E-02		4.97E-03	2.833E-02
342	3.943E-02		5.60E-03	3.383E-02
343	4.473E-02		6.29E-03	3.844E-02
344	5.213E-02		7.06E-03	4.507E-02
345	6.068E-02		7.87E-03	5.280E-02
346	7.154E-02		8.73E-03	6.280E-02
347	8.052E-02		9.58E-03	7.094E-02
348	9.093E-02		1.04E-02	8.053E-02
349	9.085E-02		1.10E-02	7.982E-02
350	9.834E-02		1.16E-02	8.676E-02
351	1.043E-01		1.20E-02	9.230E-02
352	9.802E-02		1.22E-02	8.587E-02
353	9.412E-02		1.22E-02	8.188E-02
354	8.636E-02		1.21E-02	7.424E-02
355	8.046E-02		1.18E-02	6.863E-02
356	7.418E-02		1.14E-02	6.277E-02
357	6.770E-02		1.09E-02	5.685E-02
358	6.189E-02		1.02E-02	5.167E-02
359	1.818E-02		2.95E-03	1.523E-02
360	2.023E-02		3.24E-03	1.699E-02
361	2.241E-02		3.56E-03	1.886E-02
362	2.494E-02		3.91E-03	2.103E-02
363	2.764E-02		4.30E-03	2.335E-02
364	3.163E-02		4.74E-03	2.690E-02
365	3.616E-02		5.22E-03	3.093E-02
366	4.156E-02		5.75E-03	3.582E-02
367	4.845E-02		6.31E-03	4.214E-02
368	5.456E-02		6.87E-03	4.769E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
369	5.944E-02		7.42E-03	5.201E-02
370	6.271E-02		7.94E-03	5.476E-02
371	6.727E-02		8.42E-03	5.885E-02
372	7.022E-02		8.82E-03	6.141E-02
373	6.998E-02		9.09E-03	6.088E-02
374	6.786E-02		9.27E-03	5.859E-02
375	6.847E-02		9.40E-03	5.906E-02
376	6.580E-02		9.42E-03	5.638E-02
377	6.373E-02		9.35E-03	5.438E-02
378	6.229E-02		9.22E-03	5.307E-02
379	5.847E-02		8.96E-03	4.951E-02
380	5.452E-02		8.60E-03	4.592E-02
381	6.105E-02		3.62E-03	5.743E-02
382	6.995E-02		4.17E-03	6.577E-02
383	8.038E-02		4.83E-03	7.555E-02
384	9.233E-02		5.59E-03	8.674E-02
385	1.055E-01		6.41E-03	9.907E-02
386	1.191E-01		7.22E-03	1.119E-01
387	1.319E-01		7.94E-03	1.240E-01
388	1.430E-01		8.49E-03	1.345E-01
389	1.514E-01		8.79E-03	1.426E-01
390	1.575E-01		8.83E-03	1.487E-01
391	1.627E-01		8.58E-03	1.541E-01
392	1.742E-01		8.08E-03	1.661E-01
393	2.519E-01		7.38E-03	2.446E-01
394	1.932E-01		6.58E-03	1.866E-01
395	1.317E-01		5.77E-03	1.259E-01
396	1.047E-01		5.04E-03	9.969E-02
397	8.693E-02		4.42E-03	8.251E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
398	7.367E-02		3.92E-03	6.976E-02
399	6.728E-02		4.14E-03	6.314E-02
400	7.857E-02		4.93E-03	7.365E-02
401	9.245E-02		5.93E-03	8.652E-02
402	1.094E-01		7.16E-03	1.022E-01
403	1.290E-01		8.58E-03	1.205E-01
404	1.502E-01		1.00E-02	1.402E-01
405	1.707E-01		1.14E-02	1.593E-01
406	1.881E-01		1.23E-02	1.757E-01
407	2.012E-01		1.29E-02	1.883E-01
408	2.105E-01		1.30E-02	1.975E-01
409	2.179E-01		1.26E-02	2.053E-01
410	2.363E-01		1.17E-02	2.246E-01
411	4.258E-01		1.04E-02	4.153E-01
412	3.007E-01		8.98E-03	2.917E-01
413	1.699E-01		7.62E-03	1.623E-01
414	1.264E-01		6.46E-03	1.200E-01
415	1.010E-01		5.54E-03	9.542E-02
416	8.316E-02		4.82E-03	7.833E-02
417	7.354E-02		4.72E-03	6.883E-02
418	8.800E-02		5.84E-03	8.215E-02
419	1.067E-01		7.40E-03	9.925E-02
420	1.310E-01		9.53E-03	1.215E-01
421	1.617E-01		1.22E-02	1.495E-01
422	1.974E-01		1.51E-02	1.823E-01
423	2.332E-01		1.77E-02	2.155E-01
424	2.623E-01		1.96E-02	2.427E-01
425	2.828E-01		2.08E-02	2.620E-01
426	2.977E-01		2.11E-02	2.766E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
427	3.062E-01		2.04E-02	2.858E-01
428	3.194E-01		1.87E-02	3.007E-01
429	4.863E-01		1.61E-02	4.702E-01
430	3.648E-01		1.33E-02	3.515E-01
431	2.070E-01		1.07E-02	1.963E-01
432	1.495E-01		8.74E-03	1.408E-01
433	1.165E-01		7.31E-03	1.092E-01
434	9.407E-02		6.26E-03	8.781E-02
435	7.796E-02		5.28E-03	7.267E-02
436	9.605E-02		6.87E-03	8.918E-02
437	1.221E-01		9.34E-03	1.127E-01
438	1.579E-01		1.32E-02	1.447E-01
439	2.086E-01		1.89E-02	1.896E-01
440	2.761E-01		2.59E-02	2.502E-01
441	3.496E-01		3.19E-02	3.177E-01
442	4.029E-01		3.60E-02	3.669E-01
443	4.337E-01		3.87E-02	3.950E-01
444	4.656E-01		3.98E-02	4.257E-01
445	4.858E-01		3.88E-02	4.471E-01
446	4.741E-01		3.52E-02	4.390E-01
447	5.833E-01		2.89E-02	5.544E-01
448	4.336E-01		2.19E-02	4.117E-01
449	2.470E-01		1.65E-02	2.305E-01
450	1.747E-01		1.28E-02	1.619E-01
451	1.325E-01		1.04E-02	1.221E-01
452	1.054E-01		8.65E-03	9.679E-02
453	8.130E-02		5.78E-03	7.552E-02
454	1.027E-01		7.86E-03	9.486E-02
455	1.353E-01		1.16E-02	1.237E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
456	1.874E-01		1.88E-02	1.686E-01
457	2.766E-01		3.41E-02	2.425E-01
458	4.307E-01		6.00E-02	3.707E-01
459	6.461E-01		7.86E-02	5.675E-01
460	7.689E-01		8.85E-02	6.805E-01
461	7.699E-01		9.60E-02	6.739E-01
462	9.007E-01		1.03E-01	7.981E-01
463	1.059E+00		1.00E-01	9.589E-01
464	9.420E-01		9.28E-02	8.493E-01
465	8.037E-01		7.04E-02	7.333E-01
466	5.359E-01		4.40E-02	4.919E-01
467	2.968E-01		2.90E-02	2.678E-01
468	2.031E-01		2.08E-02	1.823E-01
469	1.509E-01		1.59E-02	1.351E-01
470	1.179E-01		1.26E-02	1.053E-01
471	7.748E-02		6.13E-03	7.136E-02
472	1.040E-01		8.65E-03	9.537E-02
473	1.442E-01		1.36E-02	1.307E-01
474	2.102E-01		2.52E-02	1.851E-01
475	3.597E-01		6.92E-02	2.905E-01
476	7.056E-01		1.14E-01	5.914E-01
477	3.576E-01		5.62E-02	3.014E-01
478	2.353E-01		3.52E-02	2.001E-01
479	1.706E-01		2.46E-02	1.460E-01
480	1.309E-01		1.84E-02	1.125E-01
481	7.302E-02		6.30E-03	6.671E-02
482	9.816E-02		9.01E-03	8.915E-02
483	1.348E-01		1.43E-02	1.204E-01
484	2.048E-01		2.81E-02	1.767E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
485	3.984E-01		9.12E-02	3.072E-01
486	7.864E-01		1.90E-01	5.960E-01
487	3.994E-01		8.85E-02	3.110E-01
488	2.592E-01		5.23E-02	2.069E-01
489	1.862E-01		3.48E-02	1.514E-01
490	1.418E-01		2.50E-02	1.167E-01
491	6.607E-02		6.28E-03	5.979E-02
492	8.739E-02		8.83E-03	7.856E-02
493	1.179E-01		1.37E-02	1.042E-01
494	1.754E-01		2.52E-02	1.502E-01
495	3.111E-01		6.75E-02	2.436E-01
496	1.629E+00		3.10E-01	1.319E+00
497	1.239E+00		2.54E-01	9.846E-01
498	1.243E+00		3.71E-01	8.714E-01
499	8.127E-01		1.72E-01	6.406E-01
500	4.207E-01		9.74E-02	3.233E-01
501	2.765E-01		6.14E-02	2.152E-01
502	1.985E-01		4.18E-02	1.567E-01
503	1.506E-01		3.01E-02	1.205E-01
504	5.791E-02		6.07E-03	5.183E-02
505	7.266E-02		8.24E-03	6.442E-02
506	1.005E-01		1.21E-02	8.842E-02
507	1.377E-01		1.92E-02	1.184E-01
508	2.145E-01		3.45E-02	1.800E-01
509	3.340E-01		6.26E-02	2.714E-01
510	5.029E-01		9.37E-02	4.092E-01
511	6.339E-01		1.10E-01	5.241E-01
512	8.251E-01		1.38E-01	6.871E-01
513	2.338E+00		4.46E-01	1.892E+00

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
514	3.065E+00		5.64E-01	2.501E+00
515	1.841E+00		4.63E-01	1.378E+00
516	9.837E-01		2.07E-01	7.764E-01
517	7.236E-01		1.26E-01	5.976E-01
518	3.921E-01		8.41E-02	3.080E-01
519	2.678E-01		5.87E-02	2.092E-01
520	1.970E-01		4.24E-02	1.546E-01
521	1.517E-01		3.17E-02	1.200E-01
522	4.959E-02		5.72E-03	4.387E-02
523	6.265E-02		7.46E-03	5.519E-02
524	8.091E-02		1.01E-02	7.078E-02
525	1.063E-01		1.42E-02	9.212E-02
526	1.387E-01		2.03E-02	1.184E-01
527	2.036E-01		2.91E-02	1.745E-01
528	2.711E-01		3.94E-02	2.317E-01
529	3.481E-01		5.10E-02	2.971E-01
530	4.695E-01		6.60E-02	4.035E-01
531	6.623E-01		8.84E-02	5.739E-01
532	7.895E-01		1.11E-01	6.783E-01
533	7.201E-01		1.17E-01	6.032E-01
534	6.726E-01		1.02E-01	5.710E-01
535	6.071E-01		8.06E-02	5.264E-01
536	3.375E-01		6.25E-02	2.750E-01
537	2.407E-01		4.85E-02	1.922E-01
538	1.831E-01		3.78E-02	1.453E-01
539	1.446E-01		2.99E-02	1.147E-01
540	4.245E-02		5.28E-03	3.717E-02
541	5.206E-02		6.58E-03	4.548E-02
542	6.458E-02		8.37E-03	5.621E-02

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
543	8.125E-02		1.08E-02	7.047E-02
544	1.063E-01		1.40E-02	9.233E-02
545	1.343E-01		1.81E-02	1.162E-01
546	1.740E-01		2.30E-02	1.510E-01
547	2.170E-01		2.88E-02	1.882E-01
548	2.753E-01		3.55E-02	2.398E-01
549	3.398E-01		4.27E-02	2.971E-01
550	3.922E-01		4.94E-02	3.428E-01
551	4.125E-01		5.43E-02	3.583E-01
552	4.808E-01		5.25E-02	4.283E-01
553	5.025E-01		4.85E-02	4.541E-01
554	2.757E-01		4.26E-02	2.331E-01
555	2.060E-01		3.67E-02	1.694E-01
556	1.621E-01		3.08E-02	1.313E-01
557	1.317E-01		2.58E-02	1.059E-01
558	3.645E-02		4.81E-03	3.164E-02
559	4.369E-02		5.77E-03	3.792E-02
560	5.146E-02		6.97E-03	4.449E-02
561	6.296E-02		8.48E-03	5.448E-02
562	7.576E-02		1.03E-02	6.541E-02
563	9.317E-02		1.26E-02	8.053E-02
564	1.186E-01		1.54E-02	1.032E-01
565	1.433E-01		1.83E-02	1.250E-01
566	1.785E-01		2.17E-02	1.568E-01
567	2.091E-01		2.50E-02	1.841E-01
568	2.422E-01		2.80E-02	2.142E-01
569	2.534E-01		2.98E-02	2.237E-01
570	3.540E-01		3.04E-02	3.236E-01
571	4.288E-01		3.01E-02	3.987E-01

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

			Cancer Risk	
Receptor #	Total Per/Million	Rec#	Const. Risk	Operational Risk
572	2.228E-01		2.87E-02	1.941E-01
573	1.685E-01		2.64E-02	1.422E-01
574	1.379E-01		2.37E-02	1.142E-01
575	1.163E-01		2.10E-02	9.526E-02

9th and Vineyard Operational HRA

Construction and Operational Risk Summary

		Chronic Non Cancer Risk				
Receptor #	**Receptor #**	**Max Chronic**	**Rec#**		**Const. Risk**	**Operational Risk**
		0.00328	**514**	**<-Max**	**0.0033**	**0.0001**
1	**1**	0.00002			1.80E-05	4.59E-07
2	**2**	0.00002			1.46E-05	5.10E-07
3	**3**	0.00002			1.59E-05	5.69E-07
4	**4**	0.00002			1.74E-05	6.40E-07
5	**5**	0.00002			1.89E-05	7.18E-07
6	**6**	0.00002			2.05E-05	8.10E-07
7	**7**	0.00002			2.20E-05	9.18E-07
8	**8**	0.00002			2.33E-05	1.05E-06
9	**9**	0.00003			2.44E-05	1.20E-06
10	**10**	0.00003			2.51E-05	1.38E-06
11	**11**	0.00003			2.54E-05	1.59E-06
12	**12**	0.00003			2.52E-05	1.84E-06
13	**13**	0.00003			2.45E-05	2.10E-06
14	**14**	0.00003			2.35E-05	2.31E-06
15	**15**	0.00002			2.22E-05	2.37E-06
16	**16**	0.00002			2.06E-05	2.22E-06
17	**17**	0.00002			1.90E-05	1.97E-06
18	**18**	0.00002			1.75E-05	1.69E-06
19	**19**	0.00002			1.60E-05	1.45E-06
20	**20**	0.00002			1.47E-05	1.24E-06
21	**21**	0.00001			1.36E-05	1.07E-06
22	**22**	0.00001			1.26E-05	9.30E-07
23	**23**	0.00002			1.47E-05	4.73E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
24	**24**	0.00002	1.63E-05	5.29E-07
25	**25**	0.00002	1.82E-05	5.95E-07
26	**26**	0.00002	2.02E-05	6.75E-07
27	**27**	0.00002	2.24E-05	7.69E-07
28	**28**	0.00003	2.48E-05	8.77E-07
29	**29**	0.00003	2.71E-05	1.02E-06
30	**30**	0.00003	2.92E-05	1.18E-06
31	**31**	0.00003	3.08E-05	1.38E-06
32	**32**	0.00003	3.20E-05	1.63E-06
33	**33**	0.00003	3.24E-05	1.95E-06
34	**34**	0.00003	3.21E-05	2.37E-06
35	**35**	0.00003	3.11E-05	2.91E-06
36	**36**	0.00003	2.94E-05	3.51E-06
37	**37**	0.00003	2.74E-05	3.74E-06
38	**38**	0.00003	2.51E-05	3.28E-06
39	**39**	0.00003	2.27E-05	2.66E-06
40	**40**	0.00002	2.05E-05	2.14E-06
41	**41**	0.00002	1.85E-05	1.75E-06
42	**42**	0.00002	1.68E-05	1.45E-06
43	**43**	0.00002	1.54E-05	1.22E-06
44	**44**	0.00002	1.42E-05	1.04E-06
45	**45**	0.00002	1.63E-05	4.81E-07
46	**46**	0.00002	1.84E-05	5.42E-07
47	**47**	0.00002	2.09E-05	6.14E-07
48	**48**	0.00002	2.38E-05	6.99E-07
49	**49**	0.00003	2.71E-05	8.07E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
50	**50**	0.00003	3.08E-05	9.40E-07
51	**51**	0.00004	3.44E-05	1.10E-06
52	**52**	0.00004	3.79E-05	1.32E-06
53	**53**	0.00004	4.07E-05	1.58E-06
54	**54**	0.00004	4.26E-05	1.92E-06
55	**55**	0.00005	4.33E-05	2.38E-06
56	**56**	0.00005	4.28E-05	3.07E-06
57	**57**	0.00005	4.12E-05	4.20E-06
58	**58**	0.00004	3.85E-05	6.47E-06
59	**59**	0.00004	3.51E-05	8.62E-06
60	**60**	0.00004	3.14E-05	5.56E-06
61	**61**	0.00003	2.79E-05	3.75E-06
62	**62**	0.00003	2.46E-05	2.74E-06
63	**63**	0.00002	2.19E-05	2.12E-06
64	**64**	0.00002	1.96E-05	1.69E-06
65	**65**	0.00002	1.78E-05	1.39E-06
66	**66**	0.00002	1.62E-05	1.16E-06
67	**67**	0.00002	1.80E-05	4.83E-07
68	**68**	0.00002	2.08E-05	5.48E-07
69	**69**	0.00002	2.42E-05	6.21E-07
70	**70**	0.00003	2.85E-05	7.18E-07
71	**71**	0.00003	3.36E-05	8.38E-07
72	**72**	0.00004	3.95E-05	9.89E-07
73	**73**	0.00005	4.58E-05	1.18E-06
74	**74**	0.00005	5.18E-05	1.44E-06
75	**75**	0.00006	5.68E-05	1.79E-06
76	**76**	0.00006	6.01E-05	2.24E-06
77	**77**	0.00006	6.15E-05	2.88E-06
78	**78**	0.00006	6.07E-05	3.89E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
79	**79**	0.00006	5.78E-05	5.90E-06
80	**80**	0.00007	5.31E-05	1.27E-05
81	**81**	0.00009	4.72E-05	3.81E-05
82	**82**	0.00005	4.11E-05	1.01E-05
83	**83**	0.00004	3.54E-05	5.28E-06
84	**84**	0.00003	3.05E-05	3.49E-06
85	**85**	0.00003	2.67E-05	2.53E-06
86	**86**	0.00003	2.36E-05	1.96E-06
87	**87**	0.00002	2.11E-05	1.56E-06
88	**88**	0.00002	1.92E-05	1.28E-06
89	**89**	0.00002	1.98E-05	5.00E-07
90	**90**	0.00002	2.34E-05	5.60E-07
91	**91**	0.00003	2.82E-05	6.32E-07
92	**92**	0.00004	3.44E-05	7.27E-07
93	**93**	0.00004	4.26E-05	8.50E-07
94	**94**	0.00005	5.29E-05	1.03E-06
95	**95**	0.00007	6.46E-05	1.26E-06
96	**96**	0.00008	7.59E-05	1.57E-06
97	**97**	0.00009	8.53E-05	1.98E-06
98	**98**	0.00009	9.17E-05	2.56E-06
99	**99**	0.00010	9.45E-05	3.40E-06
100	**100**	0.00010	9.34E-05	4.74E-06
101	**101**	0.00010	8.82E-05	7.41E-06
102	**102**	0.00010	7.94E-05	1.61E-05
103	**103**	0.00010	6.82E-05	3.23E-05
104	**104**	0.00007	5.69E-05	1.36E-05
105	**105**	0.00005	4.72E-05	6.73E-06
106	**106**	0.00004	3.96E-05	4.23E-06
107	**107**	0.00004	3.39E-05	2.97E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
108	**108**	0.00003	2.95E-05	2.22E-06
109	**109**	0.00003	2.62E-05	1.74E-06
110	**110**	0.00002	2.35E-05	1.40E-06
111	**111**	0.00002	2.14E-05	5.05E-07
112	**112**	0.00003	2.61E-05	5.78E-07
113	**113**	0.00003	3.25E-05	6.45E-07
114	**114**	0.00004	4.17E-05	7.38E-07
115	**115**	0.00006	5.55E-05	8.65E-07
116	**116**	0.00008	7.50E-05	1.07E-06
117	**117**	0.00010	9.93E-05	1.32E-06
118	**118**	0.00013	1.24E-04	1.66E-06
119	**119**	0.00015	1.43E-04	2.15E-06
120	**120**	0.00016	1.56E-04	2.86E-06
121	**121**	0.00017	1.63E-04	3.93E-06
122	**122**	0.00017	1.62E-04	5.63E-06
123	**123**	0.00016	1.53E-04	8.71E-06
124	**124**	0.00015	1.34E-04	1.76E-05
125	**125**	0.00014	1.09E-04	3.40E-05
126	**126**	0.00010	8.56E-05	1.53E-05
127	**127**	0.00008	6.75E-05	7.69E-06
128	**128**	0.00006	5.48E-05	4.80E-06
129	**129**	0.00005	4.58E-05	3.31E-06
130	**130**	0.00004	3.91E-05	2.44E-06
131	**131**	0.00004	3.41E-05	1.89E-06
132	**132**	0.00003	3.01E-05	1.51E-06
133	**133**	0.00002	2.28E-05	4.98E-07
134	**134**	0.00003	2.84E-05	5.65E-07
135	**135**	0.00004	3.68E-05	6.45E-07
136	**136**	0.00005	5.05E-05	7.60E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
137	**137**	0.00007	7.39E-05	9.22E-07
138	**138**	0.00012	1.14E-04	1.09E-06
139	**139**	0.00018	1.79E-04	1.36E-06
140	**140**	0.00025	2.46E-04	1.71E-06
141	**141**	0.00030	2.93E-04	2.31E-06
142	**142**	0.00032	3.22E-04	3.18E-06
143	**143**	0.00035	3.44E-04	4.66E-06
144	**144**	0.00035	3.47E-04	7.04E-06
145	**145**	0.00034	3.29E-04	1.06E-05
146	**146**	0.00030	2.82E-04	1.94E-05
147	**147**	0.00024	2.09E-04	3.58E-05
148	**148**	0.00016	1.46E-04	1.63E-05
149	**149**	0.00012	1.07E-04	8.26E-06
150	**150**	0.00009	8.27E-05	5.13E-06
151	**151**	0.00007	6.64E-05	3.53E-06
152	**152**	0.00006	5.49E-05	2.59E-06
153	**153**	0.00005	4.63E-05	1.99E-06
154	**154**	0.00004	3.97E-05	1.58E-06
155	**155**	0.00002	2.37E-05	4.64E-07
156	**156**	0.00003	3.00E-05	5.36E-07
157	**157**	0.00004	4.05E-05	6.41E-07
158	**158**	0.00006	5.82E-05	7.47E-07
159	**159**	0.00010	9.43E-05	9.04E-07
160	**160**	0.00018	1.82E-04	1.10E-06
161	**161**	0.00049	4.91E-04	1.37E-06
162	**162**	0.00089	8.83E-04	1.77E-06
163	**163**	0.00107	1.07E-03	2.39E-06
164	**164**	0.00107	1.06E-03	3.48E-06
165	**165**	0.00129	1.28E-03	5.85E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
166	**166**	0.00126	1.25E-03	1.28E-05
167	**167**	0.00125	1.23E-03	1.88E-05
168	**168**	0.00109	1.07E-03	2.73E-05
169	**169**	0.00063	5.89E-04	4.03E-05
170	**170**	0.00032	2.99E-04	1.72E-05
171	**171**	0.00020	1.90E-04	8.48E-06
172	**172**	0.00014	1.34E-04	5.25E-06
173	**173**	0.00010	1.00E-04	3.61E-06
174	**174**	0.00008	7.88E-05	2.65E-06
175	**175**	0.00007	6.38E-05	2.04E-06
176	**176**	0.00005	5.29E-05	1.63E-06
177	**177**	0.00002	2.44E-05	4.50E-07
178	**178**	0.00003	3.13E-05	5.27E-07
179	**179**	0.00004	4.29E-05	6.33E-07
180	**180**	0.00007	6.44E-05	7.62E-07
181	**181**	0.00011	1.12E-04	9.17E-07
182	**182**	0.00026	2.57E-04	1.12E-06
183	**183**	0.00164	1.64E-03	1.40E-06
184	**184**	0.00193	1.88E-03	5.07E-05
185	**185**	0.00062	6.01E-04	1.70E-05
186	**186**	0.00033	3.23E-04	8.19E-06
187	**187**	0.00021	2.07E-04	5.09E-06
188	**188**	0.00015	1.46E-04	3.54E-06
189	**189**	0.00011	1.10E-04	2.62E-06
190	**190**	0.00009	8.55E-05	2.03E-06
191	**191**	0.00007	6.89E-05	1.62E-06
192	**192**	0.00003	2.47E-05	4.23E-07
193	**193**	0.00003	3.16E-05	4.93E-07
194	**194**	0.00004	4.32E-05	5.92E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
195	**195**	0.00007	6.46E-05	7.11E-07
196	**196**	0.00011	1.12E-04	8.75E-07
197	**197**	0.00026	2.55E-04	1.06E-06
198	**198**	0.00164	1.64E-03	1.37E-06
199	**199**	0.00210	2.10E-03	3.75E-06
200	**200**	0.00178	1.74E-03	4.79E-05
201	**201**	0.00078	7.61E-04	1.89E-05
202	**202**	0.00044	4.29E-04	8.59E-06
203	**203**	0.00028	2.73E-04	5.21E-06
204	**204**	0.00019	1.90E-04	3.56E-06
205	**205**	0.00014	1.39E-04	2.62E-06
206	**206**	0.00011	1.07E-04	2.02E-06
207	**207**	0.00009	8.47E-05	1.61E-06
208	**208**	0.00003	2.46E-05	3.93E-07
209	**209**	0.00003	3.13E-05	4.58E-07
210	**210**	0.00004	4.17E-05	5.25E-07
211	**211**	0.00006	6.04E-05	6.41E-07
212	**212**	0.00010	9.66E-05	7.76E-07
213	**213**	0.00018	1.83E-04	9.76E-07
214	**214**	0.00046	4.60E-04	1.27E-06
215	**215**	0.00098	9.83E-04	1.68E-06
216	**216**	0.00115	1.15E-03	2.46E-06
217	**217**	0.00100	9.93E-04	3.67E-06
218	**218**	0.00266	2.63E-03	2.92E-05
219	**219**	0.00119	1.15E-03	4.19E-05
220	**220**	0.00069	6.75E-04	2.01E-05
221	**221**	0.00044	4.33E-04	9.47E-06
222	**222**	0.00030	2.95E-04	5.72E-06
223	**223**	0.00022	2.11E-04	3.88E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
224	**224**	0.00016	1.58E-04	2.82E-06
225	**225**	0.00012	1.22E-04	2.15E-06
226	**226**	0.00010	9.68E-05	1.70E-06
227	**227**	0.00002	2.42E-05	3.60E-07
228	**228**	0.00003	3.02E-05	4.14E-07
229	**229**	0.00004	3.92E-05	4.80E-07
230	**230**	0.00005	5.37E-05	5.73E-07
231	**231**	0.00008	7.78E-05	6.99E-07
232	**232**	0.00012	1.19E-04	8.51E-07
233	**233**	0.00019	1.88E-04	1.14E-06
234	**234**	0.00028	2.81E-04	1.51E-06
235	**235**	0.00038	3.76E-04	2.10E-06
236	**236**	0.00047	4.71E-04	3.13E-06
237	**237**	0.00069	6.82E-04	5.06E-06
238	**238**	0.00109	1.08E-03	8.39E-06
239	**239**	0.00125	1.24E-03	1.22E-05
240	**240**	0.00103	1.01E-03	1.87E-05
241	**241**	0.00075	7.06E-04	4.08E-05
242	**242**	0.00052	5.01E-04	1.93E-05
243	**243**	0.00037	3.64E-04	9.41E-06
244	**244**	0.00028	2.71E-04	5.79E-06
245	**245**	0.00021	2.05E-04	3.96E-06
246	**246**	0.00016	1.59E-04	2.89E-06
247	**247**	0.00013	1.26E-04	2.21E-06
248	**248**	0.00010	1.02E-04	1.75E-06
249	**249**	0.00002	2.34E-05	3.31E-07
250	**250**	0.00003	2.86E-05	3.76E-07
251	**251**	0.00004	3.58E-05	4.32E-07
252	**252**	0.00005	4.63E-05	5.16E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
253	**253**	0.00006	6.14E-05	6.20E-07
254	**254**	0.00008	8.32E-05	7.88E-07
255	**255**	0.00011	1.12E-04	9.96E-07
256	**256**	0.00015	1.50E-04	1.36E-06
257	**257**	0.00020	1.93E-04	1.80E-06
258	**258**	0.00025	2.44E-04	2.50E-06
259	**259**	0.00031	3.08E-04	3.71E-06
260	**260**	0.00038	3.79E-04	5.61E-06
261	**261**	0.00044	4.32E-04	8.56E-06
262	**262**	0.00045	4.33E-04	1.55E-05
263	**263**	0.00043	3.91E-04	3.62E-05
264	**264**	0.00035	3.31E-04	1.82E-05
265	**265**	0.00028	2.72E-04	8.90E-06
266	**266**	0.00023	2.21E-04	5.54E-06
267	**267**	0.00018	1.79E-04	3.84E-06
268	**268**	0.00015	1.46E-04	2.84E-06
269	**269**	0.00012	1.21E-04	2.19E-06
270	**270**	0.00010	1.00E-04	1.75E-06
271	**271**	0.00002	2.23E-05	2.96E-07
272	**272**	0.00003	2.65E-05	3.34E-07
273	**273**	0.00003	3.22E-05	3.87E-07
274	**274**	0.00004	3.96E-05	4.55E-07
275	**275**	0.00005	4.92E-05	5.45E-07
276	**276**	0.00006	6.17E-05	6.81E-07
277	**277**	0.00008	7.75E-05	8.61E-07
278	**278**	0.00010	9.66E-05	1.10E-06
279	**279**	0.00012	1.19E-04	1.49E-06
280	**280**	0.00015	1.44E-04	2.06E-06
281	**281**	0.00018	1.72E-04	2.96E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
282	**282**	0.00020	1.99E-04	4.40E-06
283	**283**	0.00023	2.20E-04	6.87E-06
284	**284**	0.00024	2.27E-04	1.32E-05
285	**285**	0.00026	2.25E-04	3.26E-05
286	**286**	0.00023	2.11E-04	1.70E-05
287	**287**	0.00020	1.91E-04	7.99E-06
288	**288**	0.00017	1.68E-04	5.04E-06
289	**289**	0.00015	1.45E-04	3.59E-06
290	**290**	0.00013	1.25E-04	2.68E-06
291	**291**	0.00011	1.08E-04	2.10E-06
292	**292**	0.00009	9.26E-05	1.69E-06
293	**293**	0.00002	2.10E-05	2.68E-07
294	**294**	0.00002	2.45E-05	3.03E-07
295	**295**	0.00003	2.87E-05	3.47E-07
296	**296**	0.00003	3.39E-05	4.01E-07
297	**297**	0.00004	4.04E-05	4.83E-07
298	**298**	0.00005	4.82E-05	5.87E-07
299	**299**	0.00006	5.77E-05	7.34E-07
300	**300**	0.00007	6.90E-05	9.58E-07
301	**301**	0.00008	8.11E-05	1.21E-06
302	**302**	0.00010	9.47E-05	1.69E-06
303	**303**	0.00011	1.09E-04	2.37E-06
304	**304**	0.00013	1.22E-04	3.50E-06
305	**305**	0.00014	1.33E-04	5.40E-06
306	**306**	0.00015	1.39E-04	1.07E-05
307	**307**	0.00017	1.41E-04	2.78E-05
308	**308**	0.00015	1.39E-04	1.44E-05
309	**309**	0.00014	1.34E-04	6.79E-06
310	**310**	0.00013	1.25E-04	4.34E-06

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Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
311	**311**	0.00012	1.14E-04	3.15E-06
312	**312**	0.00011	1.03E-04	2.44E-06
313	**313**	0.00009	9.19E-05	1.95E-06
314	**314**	0.00008	8.17E-05	1.60E-06
315	**315**	0.00002	1.97E-05	2.38E-07
316	**316**	0.00002	2.24E-05	2.70E-07
317	**317**	0.00003	2.56E-05	3.08E-07
318	**318**	0.00003	2.93E-05	3.53E-07
319	**319**	0.00003	3.37E-05	4.08E-07
320	**320**	0.00004	3.90E-05	5.12E-07
321	**321**	0.00005	4.50E-05	6.19E-07
322	**322**	0.00005	5.19E-05	7.81E-07
323	**323**	0.00006	5.94E-05	1.03E-06
324	**324**	0.00007	6.71E-05	1.36E-06
325	**325**	0.00008	7.51E-05	1.88E-06
326	**326**	0.00009	8.29E-05	2.68E-06
327	**327**	0.00010	9.08E-05	4.19E-06
328	**328**	0.00010	9.34E-05	6.49E-06
329	**329**	0.00011	9.59E-05	1.54E-05
330	**330**	0.00010	9.67E-05	8.27E-06
331	**331**	0.00010	9.56E-05	4.87E-06
332	**332**	0.00010	9.27E-05	3.44E-06
333	**333**	0.00009	8.79E-05	2.62E-06
334	**334**	0.00008	8.26E-05	2.12E-06
335	**335**	0.00008	7.64E-05	1.75E-06
336	**336**	0.00007	7.01E-05	1.47E-06
337	**337**	0.00002	1.84E-05	2.18E-07
338	**338**	0.00002	2.05E-05	2.44E-07
339	**339**	0.00002	2.29E-05	2.73E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
340	**340**	0.00003	2.57E-05	3.16E-07
341	**341**	0.00003	2.88E-05	3.63E-07
342	**342**	0.00003	3.24E-05	4.44E-07
343	**343**	0.00004	3.64E-05	5.26E-07
344	**344**	0.00004	4.09E-05	6.54E-07
345	**345**	0.00005	4.56E-05	8.34E-07
346	**346**	0.00005	5.06E-05	1.11E-06
347	**347**	0.00006	5.54E-05	1.43E-06
348	**348**	0.00006	6.02E-05	1.95E-06
349	**349**	0.00007	6.38E-05	2.39E-06
350	**350**	0.00007	6.71E-05	3.26E-06
351	**351**	0.00007	6.93E-05	4.06E-06
352	**352**	0.00007	7.03E-05	3.67E-06
353	**353**	0.00007	7.09E-05	3.09E-06
354	**354**	0.00007	7.01E-05	2.48E-06
355	**355**	0.00007	6.85E-05	2.06E-06
356	**356**	0.00007	6.60E-05	1.75E-06
357	**357**	0.00006	6.28E-05	1.50E-06
358	**358**	0.00006	5.92E-05	1.30E-06
359	**359**	0.00002	1.71E-05	1.96E-07
360	**360**	0.00002	1.88E-05	2.20E-07
361	**361**	0.00002	2.06E-05	2.46E-07
362	**362**	0.00002	2.26E-05	2.79E-07
363	**363**	0.00003	2.49E-05	3.16E-07
364	**364**	0.00003	2.74E-05	3.74E-07
365	**365**	0.00003	3.02E-05	4.48E-07
366	**366**	0.00003	3.33E-05	5.49E-07
367	**367**	0.00004	3.65E-05	6.99E-07
368	**368**	0.00004	3.98E-05	8.73E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
369	**369**	0.00004	4.30E-05	1.07E-06
370	**370**	0.00005	4.60E-05	1.29E-06
371	**371**	0.00005	4.88E-05	1.60E-06
372	**372**	0.00005	5.10E-05	1.91E-06
373	**373**	0.00005	5.26E-05	2.05E-06
374	**374**	0.00006	5.37E-05	1.99E-06
375	**375**	0.00006	5.44E-05	1.94E-06
376	**376**	0.00006	5.45E-05	1.73E-06
377	**377**	0.00006	5.41E-05	1.55E-06
378	**378**	0.00005	5.33E-05	1.42E-06
379	**379**	0.00005	5.18E-05	1.26E-06
380	**380**	0.00005	4.98E-05	1.11E-06
381	**381**	0.00002	2.09E-05	5.75E-07
382	**382**	0.00002	2.42E-05	6.59E-07
383	**383**	0.00003	2.80E-05	7.62E-07
384	**384**	0.00003	3.24E-05	8.89E-07
385	**385**	0.00004	3.71E-05	1.05E-06
386	**386**	0.00004	4.18E-05	1.25E-06
387	**387**	0.00005	4.60E-05	1.52E-06
388	**388**	0.00005	4.91E-05	1.87E-06
389	**389**	0.00005	5.09E-05	2.33E-06
390	**390**	0.00005	5.11E-05	3.00E-06
391	**391**	0.00005	4.97E-05	4.11E-06
392	**392**	0.00005	4.67E-05	6.53E-06
393	**393**	0.00006	4.27E-05	1.77E-05
394	**394**	0.00005	3.81E-05	1.18E-05
395	**395**	0.00004	3.34E-05	5.65E-06
396	**396**	0.00003	2.92E-05	3.67E-06
397	**397**	0.00003	2.56E-05	2.66E-06

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Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
398	**398**	0.00002	2.27E-05	2.04E-06
399	**399**	0.00002	2.40E-05	5.85E-07
400	**400**	0.00003	2.85E-05	6.71E-07
401	**401**	0.00004	3.43E-05	7.74E-07
402	**402**	0.00004	4.15E-05	9.20E-07
403	**403**	0.00005	4.97E-05	1.11E-06
404	**404**	0.00006	5.81E-05	1.37E-06
405	**405**	0.00007	6.57E-05	1.70E-06
406	**406**	0.00007	7.15E-05	2.13E-06
407	**407**	0.00008	7.48E-05	2.73E-06
408	**408**	0.00008	7.52E-05	3.64E-06
409	**409**	0.00008	7.28E-05	5.26E-06
410	**410**	0.00008	6.76E-05	9.25E-06
411	**411**	0.00010	6.03E-05	3.53E-05
412	**412**	0.00007	5.20E-05	2.22E-05
413	**413**	0.00005	4.41E-05	8.16E-06
414	**414**	0.00004	3.74E-05	4.75E-06
415	**415**	0.00004	3.20E-05	3.23E-06
416	**416**	0.00003	2.79E-05	2.38E-06
417	**417**	0.00003	2.73E-05	6.02E-07
418	**418**	0.00003	3.38E-05	6.84E-07
419	**419**	0.00004	4.28E-05	7.89E-07
420	**420**	0.00006	5.52E-05	9.57E-07
421	**421**	0.00007	7.06E-05	1.17E-06
422	**422**	0.00009	8.74E-05	1.44E-06
423	**423**	0.00010	1.02E-04	1.82E-06
424	**424**	0.00012	1.14E-04	2.36E-06
425	**425**	0.00012	1.20E-04	3.15E-06
426	**426**	0.00013	1.22E-04	4.31E-06

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
427	**427**	0.00012	1.18E-04	6.33E-06
428	**428**	0.00012	1.08E-04	1.10E-05
429	**429**	0.00013	9.32E-05	3.64E-05
430	**430**	0.00010	7.67E-05	2.58E-05
431	**431**	0.00007	6.20E-05	9.84E-06
432	**432**	0.00006	5.06E-05	5.64E-06
433	**433**	0.00005	4.23E-05	3.75E-06
434	**434**	0.00004	3.62E-05	2.70E-06
435	**435**	0.00003	3.06E-05	6.02E-07
436	**436**	0.00004	3.98E-05	6.98E-07
437	**437**	0.00005	5.41E-05	8.23E-07
438	**438**	0.00008	7.65E-05	9.85E-07
439	**439**	0.00011	1.10E-04	1.20E-06
440	**440**	0.00015	1.50E-04	1.50E-06
441	**441**	0.00019	1.85E-04	1.94E-06
442	**442**	0.00021	2.08E-04	2.58E-06
443	**443**	0.00023	2.24E-04	3.57E-06
444	**444**	0.00024	2.31E-04	5.12E-06
445	**445**	0.00023	2.24E-04	7.57E-06
446	**446**	0.00022	2.04E-04	1.25E-05
447	**447**	0.00020	1.67E-04	3.68E-05
448	**448**	0.00015	1.27E-04	2.76E-05
449	**449**	0.00011	9.54E-05	1.08E-05
450	**450**	0.00008	7.42E-05	6.23E-06
451	**451**	0.00006	6.01E-05	4.09E-06
452	**452**	0.00005	5.01E-05	2.92E-06
453	**453**	0.00003	3.35E-05	5.97E-07
454	**454**	0.00005	4.55E-05	6.95E-07
455	**455**	0.00007	6.71E-05	8.33E-07

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		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
456	**456**	0.00011	1.09E-04	1.01E-06
457	**457**	0.00020	1.98E-04	1.23E-06
458	**458**	0.00035	3.47E-04	1.52E-06
459	**459**	0.00046	4.55E-04	2.02E-06
460	**460**	0.00051	5.12E-04	2.78E-06
461	**461**	0.00056	5.56E-04	4.13E-06
462	**462**	0.00060	5.94E-04	6.70E-06
463	**463**	0.00059	5.79E-04	1.06E-05
464	**464**	0.00055	5.37E-04	1.58E-05
465	**465**	0.00045	4.08E-04	3.87E-05
466	**466**	0.00028	2.55E-04	2.93E-05
467	**467**	0.00018	1.68E-04	1.14E-05
468	**468**	0.00013	1.21E-04	6.52E-06
469	**469**	0.00010	9.20E-05	4.28E-06
470	**470**	0.00008	7.30E-05	3.05E-06
471	**471**	0.00004	3.55E-05	5.73E-07
472	**472**	0.00005	5.01E-05	6.88E-07
473	**473**	0.00008	7.84E-05	8.26E-07
474	**474**	0.00015	1.46E-04	9.96E-07
475	**475**	0.00040	4.00E-04	1.22E-06
476	**476**	0.00069	6.61E-04	3.18E-05
477	**477**	0.00034	3.25E-04	1.16E-05
478	**478**	0.00021	2.04E-04	6.50E-06
479	**479**	0.00015	1.43E-04	4.28E-06
480	**480**	0.00011	1.07E-04	3.06E-06
481	**481**	0.00004	3.65E-05	5.49E-07
482	**482**	0.00005	5.22E-05	6.63E-07
483	**483**	0.00008	8.30E-05	7.85E-07
484	**484**	0.00016	1.63E-04	9.54E-07

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		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
485	**485**	0.00053	5.28E-04	1.23E-06
486	**486**	0.00113	1.10E-03	3.08E-05
487	**487**	0.00052	5.12E-04	1.07E-05
488	**488**	0.00031	3.03E-04	6.03E-06
489	**489**	0.00021	2.01E-04	4.04E-06
490	**490**	0.00015	1.45E-04	2.95E-06
491	**491**	0.00004	3.63E-05	5.11E-07
492	**492**	0.00005	5.11E-05	6.13E-07
493	**493**	0.00008	7.93E-05	7.26E-07
494	**494**	0.00015	1.46E-04	8.96E-07
495	**495**	0.00039	3.91E-04	1.15E-06
496	**496**	0.00180	1.79E-03	3.06E-06
497	**497**	0.00147	1.47E-03	4.78E-06
498	**498**	0.00219	2.15E-03	4.44E-05
499	**499**	0.00104	9.96E-04	3.95E-05
500	**500**	0.00058	5.64E-04	1.29E-05
501	**501**	0.00036	3.55E-04	6.99E-06
502	**502**	0.00025	2.42E-04	4.50E-06
503	**503**	0.00018	1.74E-04	3.18E-06
504	**504**	0.00004	3.52E-05	4.69E-07
505	**505**	0.00005	4.77E-05	5.44E-07
506	**506**	0.00007	7.00E-05	6.76E-07
507	**507**	0.00011	1.11E-04	8.12E-07
508	**508**	0.00020	2.00E-04	1.06E-06
509	**509**	0.00036	3.62E-04	1.38E-06
510	**510**	0.00054	5.42E-04	1.86E-06
511	**511**	0.00064	6.36E-04	2.71E-06
512	**512**	0.00080	7.99E-04	4.41E-06
513	**513**	0.00259	2.58E-03	9.16E-06

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		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
514	**514**	0.00328	3.26E-03	1.60E-05
515	**515**	0.00270	2.68E-03	2.03E-05
516	**516**	0.00123	1.20E-03	3.20E-05
517	**517**	0.00077	7.29E-04	3.80E-05
518	**518**	0.00050	4.87E-04	1.31E-05
519	**519**	0.00035	3.40E-04	7.30E-06
520	**520**	0.00025	2.46E-04	4.73E-06
521	**521**	0.00019	1.84E-04	3.34E-06
522	**522**	0.00003	3.31E-05	4.22E-07
523	**523**	0.00004	4.32E-05	5.03E-07
524	**524**	0.00006	5.86E-05	6.06E-07
525	**525**	0.00008	8.23E-05	7.38E-07
526	**526**	0.00012	1.17E-04	8.92E-07
527	**527**	0.00017	1.68E-04	1.23E-06
528	**528**	0.00023	2.28E-04	1.65E-06
529	**529**	0.00030	2.95E-04	2.31E-06
530	**530**	0.00039	3.82E-04	3.47E-06
531	**531**	0.00052	5.12E-04	5.33E-06
532	**532**	0.00065	6.44E-04	8.04E-06
533	**533**	0.00069	6.77E-04	1.24E-05
534	**534**	0.00062	5.88E-04	2.83E-05
535	**535**	0.00050	4.67E-04	3.60E-05
536	**536**	0.00037	3.62E-04	1.25E-05
537	**537**	0.00029	2.80E-04	7.10E-06
538	**538**	0.00022	2.19E-04	4.68E-06
539	**539**	0.00018	1.73E-04	3.34E-06
540	**540**	0.00003	3.05E-05	3.80E-07
541	**541**	0.00004	3.81E-05	4.50E-07
542	**542**	0.00005	4.85E-05	5.38E-07

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
543	**543**	0.00006	6.24E-05	6.54E-07
544	**544**	0.00008	8.11E-05	8.33E-07
545	**545**	0.00011	1.05E-04	1.05E-06
546	**546**	0.00013	1.33E-04	1.41E-06
547	**547**	0.00017	1.66E-04	1.92E-06
548	**548**	0.00021	2.06E-04	2.76E-06
549	**549**	0.00025	2.47E-04	4.00E-06
550	**550**	0.00029	2.86E-04	6.10E-06
551	**551**	0.00032	3.14E-04	1.03E-05
552	**552**	0.00033	3.04E-04	2.60E-05
553	**553**	0.00032	2.80E-04	3.50E-05
554	**554**	0.00026	2.46E-04	1.15E-05
555	**555**	0.00022	2.12E-04	6.63E-06
556	**556**	0.00018	1.78E-04	4.42E-06
557	**557**	0.00015	1.49E-04	3.19E-06
558	**558**	0.00003	2.78E-05	3.43E-07
559	**559**	0.00003	3.34E-05	4.04E-07
560	**560**	0.00004	4.03E-05	4.69E-07
561	**561**	0.00005	4.91E-05	5.71E-07
562	**562**	0.00006	5.99E-05	6.92E-07
563	**563**	0.00007	7.31E-05	8.74E-07
564	**564**	0.00009	8.90E-05	1.18E-06
565	**565**	0.00011	1.06E-04	1.57E-06
566	**566**	0.00013	1.25E-04	2.24E-06
567	**567**	0.00015	1.45E-04	3.19E-06
568	**568**	0.00017	1.62E-04	4.88E-06
569	**569**	0.00018	1.72E-04	8.08E-06
570	**570**	0.00020	1.76E-04	2.27E-05
571	**571**	0.00021	1.74E-04	3.39E-05

9th and Vineyard Operational HRA
Construction and Operational Risk Summary

		Chronic Non Cancer Risk		
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Const. Risk**	**Operational Risk**
572	**572**	0.00018	1.66E-04	1.03E-05
573	**573**	0.00016	1.53E-04	5.80E-06
574	**574**	0.00014	1.37E-04	3.95E-06
575	**575**	0.00012	1.22E-04	2.94E-06

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

				Cancer Risk				
Receptor #	Total Per/Million	Rec#		Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
	2.50	514	<-Max	2.3	0.2	0.1	0.1	0.1	0.1
1	3.887E-02			0.03	1.83E-03	1.22E-03	1.11E-03	1.57E-03	1.48E-03
2	4.286E-02			0.04	2.03E-03	1.36E-03	1.21E-03	1.75E-03	1.62E-03
3	4.726E-02			0.04	2.27E-03	1.52E-03	1.32E-03	1.95E-03	1.77E-03
4	5.206E-02			0.05	2.55E-03	1.70E-03	1.44E-03	2.19E-03	1.94E-03
5	5.718E-02			0.05	2.86E-03	1.91E-03	1.56E-03	2.44E-03	2.11E-03
6	6.249E-02			0.05	3.22E-03	2.15E-03	1.69E-03	2.73E-03	2.29E-03
7	6.772E-02			0.06	3.66E-03	2.43E-03	1.82E-03	3.04E-03	2.46E-03
8	7.265E-02			0.06	4.17E-03	2.74E-03	1.93E-03	3.38E-03	2.60E-03
9	7.705E-02			0.07	4.78E-03	3.10E-03	2.04E-03	3.74E-03	2.72E-03
10	8.056E-02			0.07	5.50E-03	3.49E-03	2.12E-03	4.13E-03	2.79E-03
11	8.302E-02			0.07	6.35E-03	3.93E-03	2.16E-03	4.55E-03	2.81E-03
12	8.437E-02			0.07	7.32E-03	4.41E-03	2.17E-03	4.99E-03	2.78E-03
13	8.451E-02			0.07	8.36E-03	4.90E-03	2.14E-03	5.44E-03	2.71E-03
14	8.314E-02			0.06	9.21E-03	5.28E-03	2.08E-03	5.77E-03	2.60E-03
15	7.970E-02			0.06	9.44E-03	5.34E-03	2.01E-03	5.78E-03	2.48E-03
16	7.405E-02			0.05	8.86E-03	4.99E-03	1.91E-03	5.38E-03	2.33E-03
17	6.743E-02			0.05	7.83E-03	4.41E-03	1.80E-03	4.77E-03	2.18E-03
18	6.072E-02			0.05	6.74E-03	3.81E-03	1.69E-03	4.13E-03	2.04E-03
19	5.441E-02			0.04	5.76E-03	3.26E-03	1.58E-03	3.55E-03	1.89E-03
20	4.886E-02			0.04	4.94E-03	2.81E-03	1.47E-03	3.07E-03	1.75E-03
21	4.392E-02			0.03	4.27E-03	2.43E-03	1.37E-03	2.67E-03	1.62E-03
22	3.954E-02			0.03	3.71E-03	2.12E-03	1.27E-03	2.33E-03	1.49E-03
23	4.216E-02			0.04	1.88E-03	1.27E-03	1.20E-03	1.66E-03	1.61E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
24	4.700E-02		0.04	2.11E-03	1.43E-03	1.32E-03	1.87E-03	1.78E-03
25	5.249E-02		0.05	2.37E-03	1.61E-03	1.45E-03	2.11E-03	1.97E-03
26	5.865E-02		0.05	2.69E-03	1.83E-03	1.59E-03	2.39E-03	2.18E-03
27	6.541E-02		0.06	3.06E-03	2.09E-03	1.75E-03	2.72E-03	2.41E-03
28	7.261E-02		0.06	3.49E-03	2.39E-03	1.93E-03	3.09E-03	2.66E-03
29	7.992E-02		0.07	4.05E-03	2.75E-03	2.10E-03	3.51E-03	2.89E-03
30	8.698E-02		0.08	4.70E-03	3.17E-03	2.27E-03	3.97E-03	3.11E-03
31	9.322E-02		0.08	5.50E-03	3.64E-03	2.42E-03	4.46E-03	3.28E-03
32	9.832E-02		0.08	6.50E-03	4.20E-03	2.53E-03	5.01E-03	3.38E-03
33	1.020E-01		0.08	7.77E-03	4.86E-03	2.58E-03	5.63E-03	3.40E-03
34	1.045E-01		0.08	9.43E-03	5.68E-03	2.59E-03	6.39E-03	3.35E-03
35	1.061E-01		0.08	1.16E-02	6.71E-03	2.55E-03	7.36E-03	3.24E-03
36	1.064E-01		0.08	1.40E-02	7.85E-03	2.47E-03	8.43E-03	3.08E-03
37	1.023E-01		0.07	1.49E-02	8.20E-03	2.35E-03	8.71E-03	2.89E-03
38	9.230E-02		0.06	1.31E-02	7.21E-03	2.21E-03	7.66E-03	2.69E-03
39	8.107E-02		0.06	1.06E-02	5.88E-03	2.07E-03	6.28E-03	2.50E-03
40	7.084E-02		0.05	8.53E-03	4.77E-03	1.93E-03	5.12E-03	2.30E-03
41	6.203E-02		0.05	6.96E-03	3.91E-03	1.78E-03	4.23E-03	2.11E-03
42	5.456E-02		0.04	5.76E-03	3.25E-03	1.64E-03	3.54E-03	1.94E-03
43	4.823E-02		0.04	4.84E-03	2.74E-03	1.50E-03	3.00E-03	1.77E-03
44	4.311E-02		0.03	4.14E-03	2.36E-03	1.39E-03	2.59E-03	1.63E-03
45	4.560E-02		0.04	1.92E-03	1.31E-03	1.29E-03	1.75E-03	1.74E-03
46	5.147E-02		0.05	2.16E-03	1.49E-03	1.43E-03	1.99E-03	1.95E-03
47	5.833E-02		0.05	2.44E-03	1.70E-03	1.59E-03	2.27E-03	2.19E-03
48	6.626E-02		0.06	2.78E-03	1.95E-03	1.77E-03	2.61E-03	2.46E-03
49	7.530E-02		0.07	3.22E-03	2.26E-03	1.98E-03	3.02E-03	2.78E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
50	8.525E-02		0.08	3.74E-03	2.64E-03	2.21E-03	3.50E-03	3.12E-03
51	9.571E-02		0.08	4.40E-03	3.10E-03	2.46E-03	4.06E-03	3.47E-03
52	1.060E-01		0.09	5.24E-03	3.65E-03	2.71E-03	4.70E-03	3.80E-03
53	1.154E-01		0.10	6.30E-03	4.31E-03	2.93E-03	5.39E-03	4.07E-03
54	1.229E-01		0.10	7.65E-03	5.09E-03	3.09E-03	6.14E-03	4.21E-03
55	1.285E-01		0.11	9.50E-03	6.06E-03	3.18E-03	7.05E-03	4.23E-03
56	1.328E-01		0.10	1.22E-02	7.40E-03	3.18E-03	8.30E-03	4.13E-03
57	1.375E-01		0.10	1.67E-02	9.59E-03	3.10E-03	1.04E-02	3.94E-03
58	1.489E-01		0.09	2.58E-02	1.40E-02	2.97E-03	1.47E-02	3.70E-03
59	1.569E-01		0.09	3.43E-02	1.81E-02	2.79E-03	1.87E-02	3.42E-03
60	1.231E-01		0.08	2.21E-02	1.19E-02	2.59E-03	1.24E-02	3.14E-03
61	9.969E-02		0.07	1.49E-02	8.16E-03	2.40E-03	8.60E-03	2.87E-03
62	8.330E-02		0.06	1.09E-02	6.04E-03	2.20E-03	6.43E-03	2.61E-03
63	7.089E-02		0.05	8.42E-03	4.70E-03	2.01E-03	5.04E-03	2.37E-03
64	6.113E-02		0.05	6.73E-03	3.78E-03	1.83E-03	4.08E-03	2.15E-03
65	5.331E-02		0.04	5.52E-03	3.11E-03	1.67E-03	3.38E-03	1.95E-03
66	4.692E-02		0.04	4.62E-03	2.61E-03	1.52E-03	2.86E-03	1.78E-03
67	4.915E-02		0.04	1.92E-03	1.34E-03	1.38E-03	1.82E-03	1.88E-03
68	5.622E-02		0.05	2.18E-03	1.53E-03	1.54E-03	2.09E-03	2.13E-03
69	6.470E-02		0.06	2.47E-03	1.76E-03	1.74E-03	2.42E-03	2.43E-03
70	7.499E-02		0.07	2.86E-03	2.05E-03	1.97E-03	2.84E-03	2.79E-03
71	8.722E-02		0.08	3.34E-03	2.42E-03	2.25E-03	3.35E-03	3.21E-03
72	1.013E-01		0.09	3.94E-03	2.89E-03	2.56E-03	3.99E-03	3.71E-03
73	1.168E-01		0.10	4.70E-03	3.47E-03	2.92E-03	4.75E-03	4.26E-03
74	1.325E-01		0.12	5.75E-03	4.22E-03	3.30E-03	5.64E-03	4.79E-03
75	1.468E-01		0.13	7.11E-03	5.13E-03	3.66E-03	6.63E-03	5.23E-03
76	1.585E-01		0.14	8.92E-03	6.22E-03	3.93E-03	7.68E-03	5.47E-03
77	1.671E-01		0.14	1.15E-02	7.58E-03	4.05E-03	8.92E-03	5.47E-03
78	1.739E-01		0.14	1.55E-02	9.58E-03	4.03E-03	1.07E-02	5.27E-03
79	1.829E-01		0.13	2.35E-02	1.34E-02	3.87E-03	1.44E-02	4.92E-03
80	2.255E-01		0.12	5.06E-02	2.68E-02	3.63E-03	2.76E-02	4.51E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
81	4.136E-01		0.11	1.52E-01	7.71E-02	3.36E-03	7.78E-02	4.10E-03
82	1.762E-01		0.09	4.03E-02	2.12E-02	3.09E-03	2.17E-02	3.71E-03
83	1.242E-01		0.08	2.10E-02	1.13E-02	2.81E-03	1.18E-02	3.33E-03
84	9.840E-02		0.07	1.39E-02	7.62E-03	2.54E-03	8.05E-03	2.99E-03
85	8.070E-02		0.06	1.01E-02	5.58E-03	2.27E-03	5.95E-03	2.67E-03
86	6.832E-02		0.05	7.79E-03	4.35E-03	2.05E-03	4.67E-03	2.40E-03
87	5.855E-02		0.05	6.22E-03	3.49E-03	1.85E-03	3.78E-03	2.15E-03
88	5.090E-02		0.04	5.11E-03	2.88E-03	1.67E-03	3.14E-03	1.94E-03
89	5.274E-02		0.05	1.99E-03	1.39E-03	1.47E-03	1.91E-03	2.01E-03
90	6.116E-02		0.06	2.23E-03	1.59E-03	1.66E-03	2.21E-03	2.31E-03
91	7.163E-02		0.06	2.52E-03	1.83E-03	1.90E-03	2.58E-03	2.68E-03
92	8.486E-02		0.08	2.89E-03	2.14E-03	2.19E-03	3.07E-03	3.14E-03
93	1.015E-01		0.09	3.39E-03	2.56E-03	2.54E-03	3.71E-03	3.73E-03
94	1.221E-01		0.11	4.11E-03	3.16E-03	2.98E-03	4.58E-03	4.46E-03
95	1.462E-01		0.13	5.03E-03	3.92E-03	3.51E-03	5.68E-03	5.34E-03
96	1.717E-01		0.15	6.24E-03	4.93E-03	4.13E-03	7.00E-03	6.29E-03
97	1.951E-01		0.17	7.87E-03	6.19E-03	4.76E-03	8.44E-03	7.12E-03
98	2.134E-01		0.19	1.02E-02	7.73E-03	5.25E-03	9.91E-03	7.55E-03
99	2.265E-01		0.19	1.36E-02	9.60E-03	5.44E-03	1.15E-02	7.47E-03
100	2.359E-01		0.19	1.89E-02	1.22E-02	5.31E-03	1.38E-02	6.98E-03
101	2.460E-01		0.18	2.95E-02	1.73E-02	4.97E-03	1.85E-02	6.31E-03
102	2.951E-01		0.16	6.43E-02	3.43E-02	4.56E-03	3.53E-02	5.62E-03
103	3.986E-01		0.14	1.28E-01	6.59E-02	4.13E-03	6.67E-02	4.99E-03
104	2.256E-01		0.11	5.40E-02	2.83E-02	3.71E-03	2.90E-02	4.41E-03
105	1.511E-01		0.09	2.68E-02	1.44E-02	3.32E-03	1.50E-02	3.90E-03
106	1.149E-01		0.08	1.69E-02	9.20E-03	2.95E-03	9.66E-03	3.44E-03
107	9.193E-02		0.07	1.18E-02	6.51E-03	2.61E-03	6.91E-03	3.04E-03
108	7.589E-02		0.06	8.84E-03	4.91E-03	2.31E-03	5.26E-03	2.68E-03
109	6.400E-02		0.05	6.91E-03	3.86E-03	2.05E-03	4.17E-03	2.38E-03
110	5.499E-02		0.04	5.59E-03	3.14E-03	1.83E-03	3.41E-03	2.12E-03
111	5.505E-02		0.05	2.01E-03	1.40E-03	1.55E-03	1.97E-03	2.14E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
112	6.559E-02		0.06	2.30E-03	1.64E-03	1.78E-03	2.32E-03	2.48E-03
113	7.780E-02		0.07	2.57E-03	1.87E-03	2.05E-03	2.72E-03	2.93E-03
114	9.459E-02		0.09	2.94E-03	2.21E-03	2.40E-03	3.29E-03	3.52E-03
115	1.183E-01		0.11	3.44E-03	2.69E-03	2.86E-03	4.10E-03	4.31E-03
116	1.491E-01		0.14	4.28E-03	3.44E-03	3.46E-03	5.31E-03	5.40E-03
117	1.890E-01		0.17	5.27E-03	4.42E-03	4.26E-03	6.96E-03	6.89E-03
118	2.354E-01		0.21	6.61E-03	5.81E-03	5.33E-03	9.14E-03	8.79E-03
119	2.777E-01		0.25	8.56E-03	7.75E-03	6.59E-03	1.16E-02	1.06E-02
120	3.069E-01		0.27	1.14E-02	1.01E-02	7.67E-03	1.38E-02	1.16E-02
121	3.284E-01		0.28	1.56E-02	1.27E-02	7.98E-03	1.57E-02	1.12E-02
122	3.453E-01		0.29	2.24E-02	1.59E-02	7.47E-03	1.81E-02	9.84E-03
123	3.519E-01		0.27	3.47E-02	2.14E-02	6.66E-03	2.30E-02	8.38E-03
124	3.805E-01		0.23	7.03E-02	3.84E-02	5.87E-03	3.96E-02	7.16E-03
125	4.607E-01		0.18	1.35E-01	7.01E-02	5.17E-03	7.11E-02	6.17E-03
126	2.688E-01		0.14	6.08E-02	3.21E-02	4.53E-03	3.28E-02	5.33E-03
127	1.773E-01		0.11	3.06E-02	1.65E-02	3.97E-03	1.71E-02	4.61E-03
128	1.316E-01		0.09	1.91E-02	1.04E-02	3.45E-03	1.09E-02	4.00E-03
129	1.030E-01		0.07	1.32E-02	7.26E-03	3.00E-03	7.69E-03	3.46E-03
130	8.360E-02		0.06	9.73E-03	5.40E-03	2.62E-03	5.77E-03	3.01E-03
131	6.952E-02		0.05	7.51E-03	4.19E-03	2.29E-03	4.51E-03	2.63E-03
132	5.906E-02		0.05	6.00E-03	3.37E-03	2.01E-03	3.65E-03	2.32E-03
133	5.661E-02		0.05	1.98E-03	1.37E-03	1.60E-03	1.95E-03	2.21E-03
134	6.783E-02		0.06	2.25E-03	1.59E-03	1.87E-03	2.32E-03	2.62E-03
135	8.260E-02		0.08	2.57E-03	1.86E-03	2.18E-03	2.79E-03	3.14E-03
136	1.041E-01		0.09	3.03E-03	2.29E-03	2.61E-03	3.51E-03	3.87E-03
137	1.367E-01		0.13	3.67E-03	2.89E-03	3.17E-03	4.57E-03	4.91E-03
138	1.829E-01		0.17	4.35E-03	3.66E-03	3.97E-03	6.10E-03	6.49E-03
139	2.540E-01		0.23	5.41E-03	4.90E-03	5.15E-03	8.70E-03	9.06E-03
140	3.557E-01		0.33	6.82E-03	6.93E-03	7.05E-03	1.31E-02	1.34E-02
141	4.530E-01		0.41	9.20E-03	1.06E-02	1.01E-02	1.93E-02	1.91E-02
142	4.937E-01		0.44	1.27E-02	1.55E-02	1.34E-02	2.35E-02	2.19E-02

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
143	5.275E-01		0.46	1.86E-02	1.97E-02	1.39E-02	2.52E-02	1.99E-02
144	5.955E-01		0.52	2.80E-02	2.35E-02	1.16E-02	2.67E-02	1.52E-02
145	6.040E-01		0.50	4.23E-02	2.90E-02	9.35E-03	3.10E-02	1.16E-02
146	5.506E-01		0.38	7.74E-02	4.48E-02	7.79E-03	4.62E-02	9.34E-03
147	5.538E-01		0.26	1.43E-01	7.53E-02	6.64E-03	7.64E-02	7.79E-03
148	3.172E-01		0.18	6.50E-02	3.48E-02	5.66E-03	3.56E-02	6.55E-03
149	2.043E-01		0.14	3.29E-02	1.79E-02	4.82E-03	1.85E-02	5.54E-03
150	1.478E-01		0.10	2.04E-02	1.12E-02	4.08E-03	1.17E-02	4.67E-03
151	1.135E-01		0.08	1.40E-02	7.74E-03	3.46E-03	8.20E-03	3.95E-03
152	9.089E-02		0.07	1.03E-02	5.72E-03	2.96E-03	6.12E-03	3.38E-03
153	7.479E-02		0.06	7.93E-03	4.42E-03	2.55E-03	4.76E-03	2.91E-03
154	6.293E-02		0.05	6.31E-03	3.53E-03	2.21E-03	3.83E-03	2.53E-03
155	5.191E-02		0.05	1.85E-03	1.25E-03	1.51E-03	1.79E-03	2.06E-03
156	6.439E-02		0.06	2.13E-03	1.48E-03	1.79E-03	2.17E-03	2.50E-03
157	8.536E-02		0.08	2.55E-03	1.81E-03	2.20E-03	2.76E-03	3.18E-03
158	1.096E-01		0.10	2.97E-03	2.19E-03	2.67E-03	3.48E-03	4.00E-03
159	1.492E-01		0.14	3.60E-03	2.82E-03	3.42E-03	4.72E-03	5.38E-03
160	2.150E-01		0.20	4.37E-03	3.70E-03	4.42E-03	6.68E-03	7.48E-03
161	3.439E-01		0.32	5.45E-03	5.16E-03	6.01E-03	1.06E-02	1.16E-02
162	6.368E-01		0.60	7.07E-03	8.14E-03	9.11E-03	2.12E-02	2.24E-02
163	1.130E+00		1.04	9.52E-03	1.69E-02	1.78E-02	6.45E-02	6.65E-02
164	1.054E+00		0.92	1.38E-02	4.14E-02	4.07E-02	7.98E-02	8.08E-02
165	1.005E+00		0.86	2.33E-02	5.16E-02	4.02E-02	7.30E-02	6.45E-02
166	1.832E+00		1.66	5.10E-02	5.62E-02	2.08E-02	6.09E-02	2.65E-02
167	1.972E+00		1.77	7.47E-02	6.14E-02	1.37E-02	6.42E-02	1.66E-02
168	1.138E+00		0.88	1.09E-01	7.40E-02	1.07E-02	7.63E-02	1.25E-02
169	7.225E-01		0.38	1.61E-01	8.89E-02	8.82E-03	9.02E-02	1.01E-02
170	3.740E-01		0.23	6.84E-02	3.73E-02	7.27E-03	3.83E-02	8.24E-03
171	2.303E-01		0.16	3.38E-02	1.85E-02	5.94E-03	1.93E-02	6.71E-03
172	1.631E-01		0.12	2.09E-02	1.15E-02	4.89E-03	1.21E-02	5.51E-03
173	1.233E-01		0.09	1.44E-02	7.95E-03	4.03E-03	8.44E-03	4.55E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
174	9.750E-02		0.07	1.06E-02	5.87E-03	3.36E-03	6.29E-03	3.80E-03
175	7.962E-02		0.06	8.13E-03	4.54E-03	2.84E-03	4.90E-03	3.22E-03
176	6.651E-02		0.05	6.47E-03	3.63E-03	2.43E-03	3.94E-03	2.76E-03
177	4.970E-02		0.04	1.79E-03	1.20E-03	1.46E-03	1.70E-03	1.98E-03
178	6.247E-02		0.06	2.10E-03	1.43E-03	1.76E-03	2.09E-03	2.44E-03
179	8.283E-02		0.08	2.52E-03	1.76E-03	2.20E-03	2.68E-03	3.14E-03
180	1.130E-01		0.10	3.03E-03	2.19E-03	2.76E-03	3.51E-03	4.11E-03
181	1.575E-01		0.15	3.65E-03	2.79E-03	3.53E-03	4.73E-03	5.53E-03
182	2.368E-01		0.22	4.44E-03	3.62E-03	4.64E-03	6.81E-03	7.91E-03
183	4.231E-01		0.40	5.56E-03	5.07E-03	6.51E-03	1.14E-02	1.30E-02
184	9.092E-01		0.48	2.02E-01	1.14E-01	1.23E-02	1.17E-01	1.37E-02
185	4.095E-01		0.27	6.75E-02	3.66E-02	9.64E-03	3.77E-02	1.07E-02
186	2.485E-01		0.18	3.26E-02	1.78E-02	7.55E-03	1.86E-02	8.36E-03
187	1.737E-01		0.13	2.03E-02	1.11E-02	5.90E-03	1.18E-02	6.56E-03
188	1.304E-01		0.10	1.41E-02	7.79E-03	4.68E-03	8.30E-03	5.23E-03
189	1.025E-01		0.08	1.04E-02	5.80E-03	3.81E-03	6.23E-03	4.26E-03
190	8.325E-02		0.07	8.08E-03	4.51E-03	3.15E-03	4.88E-03	3.54E-03
191	6.925E-02		0.06	6.46E-03	3.63E-03	2.65E-03	3.95E-03	2.99E-03
192	4.561E-02		0.04	1.68E-03	1.10E-03	1.37E-03	1.56E-03	1.84E-03
193	5.677E-02		0.05	1.96E-03	1.31E-03	1.64E-03	1.90E-03	2.24E-03
194	7.409E-02		0.07	2.36E-03	1.61E-03	2.04E-03	2.41E-03	2.86E-03
195	9.931E-02		0.09	2.83E-03	1.99E-03	2.56E-03	3.10E-03	3.71E-03
196	1.428E-01		0.13	3.48E-03	2.53E-03	3.35E-03	4.24E-03	5.10E-03
197	2.153E-01		0.20	4.24E-03	3.23E-03	4.38E-03	5.95E-03	7.16E-03
198	3.967E-01		0.38	5.44E-03	4.44E-03	6.24E-03	9.77E-03	1.17E-02
199	1.432E+00		1.35	1.49E-02	1.64E-02	3.33E-02	3.07E-02	4.80E-02
200	8.002E-01		0.44	1.91E-01	8.40E-02	1.93E-02	8.57E-02	2.06E-02
201	4.243E-01		0.27	7.53E-02	3.76E-02	1.39E-02	3.86E-02	1.49E-02
202	2.568E-01		0.19	3.42E-02	1.78E-02	9.75E-03	1.86E-02	1.06E-02
203	1.799E-01		0.14	2.08E-02	1.11E-02	7.16E-03	1.17E-02	7.82E-03
204	1.348E-01		0.10	1.42E-02	7.72E-03	5.45E-03	8.24E-03	6.00E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
205	1.057E-01		0.08	1.04E-02	5.74E-03	4.29E-03	6.18E-03	4.75E-03
206	8.563E-02		0.07	8.04E-03	4.46E-03	3.47E-03	4.84E-03	3.87E-03
207	7.113E-02		0.06	6.42E-03	3.58E-03	2.88E-03	3.91E-03	3.22E-03
208	4.081E-02		0.04	1.57E-03	1.01E-03	1.25E-03	1.41E-03	1.66E-03
209	5.046E-02		0.05	1.82E-03	1.19E-03	1.50E-03	1.70E-03	2.03E-03
210	6.190E-02		0.06	2.09E-03	1.38E-03	1.78E-03	2.03E-03	2.44E-03
211	8.341E-02		0.08	2.55E-03	1.72E-03	2.27E-03	2.62E-03	3.19E-03
212	1.137E-01		0.10	3.09E-03	2.13E-03	2.89E-03	3.40E-03	4.19E-03
213	1.676E-01		0.16	3.89E-03	2.76E-03	3.88E-03	4.72E-03	5.88E-03
214	2.734E-01		0.26	5.07E-03	3.73E-03	5.57E-03	7.06E-03	8.96E-03
215	4.785E-01		0.45	6.70E-03	5.06E-03	8.25E-03	1.09E-02	1.43E-02
216	7.545E-01		0.71	9.78E-03	7.46E-03	1.41E-02	1.61E-02	2.31E-02
217	7.717E-01		0.71	1.46E-02	1.00E-02	2.80E-02	1.66E-02	3.48E-02
218	1.141E+00		0.93	1.16E-01	3.59E-02	5.84E-02	3.73E-02	6.00E-02
219	7.326E-01		0.41	1.67E-01	7.71E-02	4.78E-02	7.82E-02	4.90E-02
220	4.158E-01		0.26	7.99E-02	3.87E-02	2.28E-02	3.96E-02	2.38E-02
221	2.570E-01		0.18	3.77E-02	1.89E-02	1.31E-02	1.96E-02	1.38E-02
222	1.816E-01		0.13	2.28E-02	1.18E-02	8.68E-03	1.24E-02	9.34E-03
223	1.369E-01		0.10	1.54E-02	8.15E-03	6.27E-03	8.67E-03	6.82E-03
224	1.077E-01		0.08	1.12E-02	6.03E-03	4.78E-03	6.47E-03	5.25E-03
225	8.729E-02		0.07	8.57E-03	4.66E-03	3.78E-03	5.04E-03	4.18E-03
226	7.253E-02		0.06	6.79E-03	3.73E-03	3.09E-03	4.06E-03	3.44E-03
227	3.588E-02		0.03	1.43E-03	9.17E-04	1.13E-03	1.26E-03	1.48E-03
228	4.320E-02		0.04	1.65E-03	1.06E-03	1.33E-03	1.48E-03	1.76E-03
229	5.304E-02		0.05	1.91E-03	1.24E-03	1.58E-03	1.77E-03	2.13E-03
230	6.780E-02		0.06	2.28E-03	1.49E-03	1.96E-03	2.19E-03	2.67E-03
231	8.987E-02		0.08	2.78E-03	1.84E-03	2.50E-03	2.78E-03	3.47E-03
232	1.202E-01		0.11	3.39E-03	2.25E-03	3.21E-03	3.53E-03	4.52E-03
233	1.798E-01		0.17	4.53E-03	3.02E-03	4.61E-03	4.95E-03	6.58E-03
234	2.548E-01		0.24	6.00E-03	3.98E-03	6.66E-03	6.63E-03	9.38E-03
235	3.471E-01		0.32	8.35E-03	5.31E-03	1.06E-02	8.57E-03	1.39E-02

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
236	4.503E-01		0.41	1.25E-02	7.07E-03	1.91E-02	1.02E-02	2.23E-02
237	6.811E-01		0.60	2.01E-02	9.35E-03	4.64E-02	1.19E-02	4.83E-02
238	1.149E+00		1.02	3.34E-02	1.25E-02	7.74E-02	1.46E-02	7.89E-02
239	1.104E+00		0.96	4.87E-02	1.81E-02	7.91E-02	1.97E-02	8.07E-02
240	7.360E-01		0.55	7.43E-02	3.19E-02	8.28E-02	3.32E-02	8.41E-02
241	6.633E-01		0.33	1.63E-01	7.87E-02	8.89E-02	7.97E-02	9.00E-02
242	3.774E-01		0.22	7.71E-02	3.76E-02	3.62E-02	3.84E-02	3.71E-02
243	2.398E-01		0.16	3.75E-02	1.86E-02	1.66E-02	1.93E-02	1.73E-02
244	1.732E-01		0.13	2.30E-02	1.17E-02	1.01E-02	1.23E-02	1.07E-02
245	1.327E-01		0.10	1.58E-02	8.17E-03	7.01E-03	8.66E-03	7.53E-03
246	1.056E-01		0.08	1.15E-02	6.07E-03	5.21E-03	6.50E-03	5.66E-03
247	8.634E-02		0.07	8.81E-03	4.71E-03	4.05E-03	5.08E-03	4.45E-03
248	7.215E-02		0.06	6.98E-03	3.78E-03	3.27E-03	4.11E-03	3.61E-03
249	3.159E-02		0.03	1.32E-03	8.32E-04	1.02E-03	1.13E-03	1.32E-03
250	3.718E-02		0.03	1.50E-03	9.50E-04	1.18E-03	1.30E-03	1.54E-03
251	4.441E-02		0.04	1.72E-03	1.09E-03	1.39E-03	1.52E-03	1.82E-03
252	5.549E-02		0.05	2.06E-03	1.31E-03	1.70E-03	1.85E-03	2.26E-03
253	6.984E-02		0.06	2.47E-03	1.57E-03	2.12E-03	2.25E-03	2.81E-03
254	9.377E-02		0.08	3.14E-03	1.99E-03	2.82E-03	2.90E-03	3.76E-03
255	1.223E-01		0.11	3.97E-03	2.48E-03	3.73E-03	3.66E-03	4.94E-03
256	1.687E-01		0.15	5.41E-03	3.30E-03	5.42E-03	4.84E-03	6.99E-03
257	2.109E-01		0.19	7.18E-03	4.19E-03	7.68E-03	5.90E-03	9.42E-03
258	2.619E-01		0.23	9.95E-03	5.41E-03	1.14E-02	7.13E-03	1.31E-02
259	3.512E-01		0.31	1.48E-02	7.35E-03	1.81E-02	9.01E-03	1.97E-02
260	4.425E-01		0.38	2.24E-02	1.03E-02	2.46E-02	1.18E-02	2.61E-02
261	4.573E-01		0.38	3.41E-02	1.56E-02	2.96E-02	1.69E-02	3.08E-02
262	4.373E-01		0.30	6.17E-02	2.95E-02	4.05E-02	3.05E-02	4.16E-02
263	5.220E-01		0.23	1.44E-01	7.12E-02	7.42E-02	7.21E-02	7.51E-02
264	3.246E-01		0.18	7.24E-02	3.58E-02	3.79E-02	3.65E-02	3.87E-02
265	2.123E-01		0.14	3.54E-02	1.76E-02	1.78E-02	1.83E-02	1.84E-02
266	1.575E-01		0.11	2.21E-02	1.11E-02	1.08E-02	1.17E-02	1.13E-02

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
267	1.234E-01		0.09	1.53E-02	7.86E-03	7.37E-03	8.32E-03	7.86E-03
268	9.991E-02		0.08	1.13E-02	5.90E-03	5.43E-03	6.30E-03	5.86E-03
269	8.281E-02		0.06	8.72E-03	4.61E-03	4.21E-03	4.97E-03	4.58E-03
270	6.992E-02		0.06	6.95E-03	3.72E-03	3.38E-03	4.04E-03	3.71E-03
271	2.717E-02		0.02	1.18E-03	7.37E-04	8.93E-04	9.81E-04	1.15E-03
272	3.139E-02		0.03	1.33E-03	8.33E-04	1.02E-03	1.12E-03	1.32E-03
273	3.721E-02		0.03	1.54E-03	9.63E-04	1.21E-03	1.30E-03	1.56E-03
274	4.466E-02		0.04	1.81E-03	1.13E-03	1.45E-03	1.53E-03	1.87E-03
275	5.461E-02		0.05	2.17E-03	1.34E-03	1.78E-03	1.84E-03	2.29E-03
276	6.913E-02		0.06	2.71E-03	1.66E-03	2.29E-03	2.28E-03	2.93E-03
277	8.743E-02		0.08	3.43E-03	2.06E-03	2.99E-03	2.82E-03	3.77E-03
278	1.084E-01		0.10	4.38E-03	2.56E-03	3.94E-03	3.45E-03	4.86E-03
279	1.372E-01		0.12	5.93E-03	3.33E-03	5.50E-03	4.36E-03	6.54E-03
280	1.703E-01		0.15	8.19E-03	4.39E-03	7.67E-03	5.47E-03	8.77E-03
281	2.101E-01		0.18	1.18E-02	6.01E-03	1.07E-02	7.11E-03	1.18E-02
282	2.519E-01		0.21	1.75E-02	8.64E-03	1.46E-02	9.70E-03	1.56E-02
283	2.751E-01		0.21	2.74E-02	1.34E-02	1.93E-02	1.43E-02	2.03E-02
284	2.916E-01		0.18	5.24E-02	2.59E-02	3.06E-02	2.67E-02	3.15E-02
285	4.243E-01		0.16	1.30E-01	6.48E-02	6.87E-02	6.55E-02	6.94E-02
286	2.726E-01		0.13	6.76E-02	3.37E-02	3.57E-02	3.43E-02	3.64E-02
287	1.784E-01		0.11	3.18E-02	1.59E-02	1.69E-02	1.65E-02	1.74E-02
288	1.374E-01		0.10	2.01E-02	1.02E-02	1.04E-02	1.06E-02	1.09E-02
289	1.114E-01		0.08	1.43E-02	7.31E-03	7.23E-03	7.74E-03	7.68E-03
290	9.180E-02		0.07	1.07E-02	5.55E-03	5.38E-03	5.93E-03	5.77E-03
291	7.738E-02		0.06	8.36E-03	4.40E-03	4.19E-03	4.74E-03	4.54E-03
292	6.618E-02		0.05	6.73E-03	3.58E-03	3.38E-03	3.88E-03	3.69E-03
293	2.356E-02		0.02	1.07E-03	6.59E-04	7.92E-04	8.64E-04	1.00E-03
294	2.703E-02		0.02	1.21E-03	7.45E-04	9.09E-04	9.80E-04	1.15E-03
295	3.129E-02		0.03	1.38E-03	8.49E-04	1.06E-03	1.12E-03	1.34E-03
296	3.633E-02		0.03	1.60E-03	9.73E-04	1.24E-03	1.29E-03	1.56E-03
297	4.384E-02		0.04	1.92E-03	1.16E-03	1.51E-03	1.54E-03	1.90E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
298	5.288E-02		0.05	2.34E-03	1.39E-03	1.87E-03	1.84E-03	2.33E-03
299	6.439E-02		0.06	2.92E-03	1.71E-03	2.38E-03	2.23E-03	2.91E-03
300	8.042E-02		0.07	3.82E-03	2.18E-03	3.15E-03	2.80E-03	3.79E-03
301	9.404E-02		0.08	4.83E-03	2.68E-03	4.00E-03	3.34E-03	4.68E-03
302	1.168E-01		0.10	6.74E-03	3.60E-03	5.51E-03	4.34E-03	6.26E-03
303	1.399E-01		0.12	9.46E-03	4.89E-03	7.39E-03	5.66E-03	8.17E-03
304	1.640E-01		0.13	1.39E-02	7.05E-03	1.00E-02	7.83E-03	1.08E-02
305	1.806E-01		0.13	2.15E-02	1.08E-02	1.36E-02	1.15E-02	1.44E-02
306	2.098E-01		0.12	4.25E-02	2.12E-02	2.34E-02	2.19E-02	2.41E-02
307	3.385E-01		0.11	1.11E-01	5.53E-02	5.99E-02	5.59E-02	6.06E-02
308	2.179E-01		0.10	5.74E-02	2.87E-02	3.00E-02	2.93E-02	3.06E-02
309	1.476E-01		0.09	2.70E-02	1.36E-02	1.44E-02	1.41E-02	1.49E-02
310	1.162E-01		0.08	1.73E-02	8.76E-03	9.24E-03	9.20E-03	9.70E-03
311	9.649E-02		0.07	1.26E-02	6.43E-03	6.63E-03	6.82E-03	7.03E-03
312	8.253E-02		0.06	9.73E-03	5.05E-03	5.04E-03	5.40E-03	5.41E-03
313	7.121E-02		0.05	7.77E-03	4.08E-03	4.00E-03	4.39E-03	4.33E-03
314	6.218E-02		0.05	6.38E-03	3.39E-03	3.26E-03	3.67E-03	3.56E-03
315	2.008E-02		0.02	9.48E-04	5.80E-04	6.91E-04	7.48E-04	8.66E-04
316	2.287E-02		0.02	1.08E-03	6.54E-04	7.92E-04	8.46E-04	9.90E-04
317	2.610E-02		0.02	1.23E-03	7.41E-04	9.11E-04	9.59E-04	1.14E-03
318	2.986E-02		0.03	1.41E-03	8.45E-04	1.06E-03	1.09E-03	1.31E-03
319	3.414E-02		0.03	1.63E-03	9.66E-04	1.23E-03	1.24E-03	1.52E-03
320	4.195E-02		0.04	2.04E-03	1.19E-03	1.56E-03	1.53E-03	1.91E-03
321	4.895E-02		0.04	2.46E-03	1.42E-03	1.90E-03	1.80E-03	2.29E-03
322	5.827E-02		0.05	3.11E-03	1.75E-03	2.40E-03	2.18E-03	2.84E-03
323	7.066E-02		0.06	4.10E-03	2.25E-03	3.14E-03	2.74E-03	3.64E-03
324	8.350E-02		0.07	5.43E-03	2.91E-03	4.07E-03	3.43E-03	4.60E-03
325	9.821E-02		0.08	7.48E-03	3.90E-03	5.36E-03	4.46E-03	5.93E-03
326	1.142E-01		0.09	1.07E-02	5.47E-03	7.10E-03	6.04E-03	7.69E-03
327	1.422E-01		0.11	1.67E-02	8.45E-03	1.03E-02	9.07E-03	1.09E-02
328	1.390E-01		0.09	2.58E-02	1.30E-02	1.40E-02	1.35E-02	1.45E-02

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
329	2.041E-01		0.08	6.14E-02	3.08E-02	2.73E-02	3.13E-02	2.78E-02
330	1.435E-01		0.08	3.29E-02	1.65E-02	1.69E-02	1.70E-02	1.73E-02
331	1.124E-01		0.07	1.94E-02	9.79E-03	1.04E-02	1.02E-02	1.09E-02
332	9.579E-02		0.07	1.37E-02	6.97E-03	7.48E-03	7.36E-03	7.89E-03
333	8.318E-02		0.06	1.04E-02	5.34E-03	5.73E-03	5.71E-03	6.11E-03
334	7.209E-02		0.05	8.43E-03	4.38E-03	4.52E-03	4.69E-03	4.86E-03
335	6.364E-02		0.05	6.95E-03	3.65E-03	3.67E-03	3.94E-03	3.98E-03
336	5.669E-02		0.04	5.85E-03	3.11E-03	3.05E-03	3.37E-03	3.33E-03
337	1.764E-02		0.02	8.67E-04	5.24E-04	6.22E-04	6.68E-04	7.71E-04
338	1.972E-02		0.02	9.72E-04	5.84E-04	7.01E-04	7.44E-04	8.67E-04
339	2.191E-02		0.02	1.09E-03	6.49E-04	7.89E-04	8.25E-04	9.72E-04
340	2.514E-02		0.02	1.26E-03	7.46E-04	9.21E-04	9.46E-04	1.13E-03
341	2.833E-02		0.02	1.44E-03	8.47E-04	1.06E-03	1.07E-03	1.29E-03
342	3.383E-02		0.03	1.77E-03	1.02E-03	1.31E-03	1.29E-03	1.58E-03
343	3.844E-02		0.03	2.09E-03	1.19E-03	1.54E-03	1.48E-03	1.84E-03
344	4.507E-02		0.04	2.60E-03	1.46E-03	1.91E-03	1.78E-03	2.24E-03
345	5.280E-02		0.04	3.32E-03	1.82E-03	2.40E-03	2.18E-03	2.77E-03
346	6.280E-02		0.05	4.41E-03	2.36E-03	3.11E-03	2.76E-03	3.52E-03
347	7.094E-02		0.06	5.71E-03	3.00E-03	3.88E-03	3.41E-03	4.30E-03
348	8.053E-02		0.06	7.75E-03	4.01E-03	4.99E-03	4.43E-03	5.43E-03
349	7.982E-02		0.06	9.51E-03	4.87E-03	5.67E-03	5.25E-03	6.06E-03
350	8.676E-02		0.06	1.30E-02	6.60E-03	7.28E-03	6.98E-03	7.67E-03
351	9.230E-02		0.06	1.62E-02	8.19E-03	8.62E-03	8.56E-03	9.00E-03
352	8.587E-02		0.06	1.46E-02	7.41E-03	7.86E-03	7.76E-03	8.22E-03
353	8.188E-02		0.06	1.23E-02	6.25E-03	6.77E-03	6.61E-03	7.14E-03
354	7.424E-02		0.05	9.87E-03	5.05E-03	5.54E-03	5.38E-03	5.89E-03
355	6.863E-02		0.05	8.21E-03	4.23E-03	4.63E-03	4.55E-03	4.96E-03
356	6.277E-02		0.05	6.97E-03	3.62E-03	3.89E-03	3.92E-03	4.21E-03
357	5.685E-02		0.04	5.96E-03	3.13E-03	3.30E-03	3.40E-03	3.59E-03
358	5.167E-02		0.04	5.17E-03	2.73E-03	2.82E-03	2.98E-03	3.09E-03
359	1.523E-02		0.01	7.79E-04	4.66E-04	5.49E-04	5.87E-04	6.74E-04

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
360	1.699E-02		0.01	8.74E-04	5.21E-04	6.19E-04	6.55E-04	7.58E-04
361	1.886E-02		0.02	9.80E-04	5.80E-04	6.97E-04	7.27E-04	8.50E-04
362	2.103E-02		0.02	1.11E-03	6.51E-04	7.91E-04	8.14E-04	9.60E-04
363	2.335E-02		0.02	1.26E-03	7.31E-04	8.98E-04	9.09E-04	1.08E-03
364	2.690E-02		0.02	1.49E-03	8.57E-04	1.07E-03	1.06E-03	1.27E-03
365	3.093E-02		0.03	1.78E-03	1.01E-03	1.27E-03	1.24E-03	1.51E-03
366	3.582E-02		0.03	2.19E-03	1.22E-03	1.55E-03	1.47E-03	1.81E-03
367	4.214E-02		0.04	2.78E-03	1.53E-03	1.94E-03	1.81E-03	2.23E-03
368	4.769E-02		0.04	3.48E-03	1.88E-03	2.37E-03	2.18E-03	2.68E-03
369	5.201E-02		0.04	4.26E-03	2.26E-03	2.80E-03	2.57E-03	3.12E-03
370	5.476E-02		0.04	5.12E-03	2.68E-03	3.23E-03	2.98E-03	3.54E-03
371	5.885E-02		0.05	6.36E-03	3.29E-03	3.84E-03	3.60E-03	4.15E-03
372	6.141E-02		0.05	7.59E-03	3.90E-03	4.40E-03	4.20E-03	4.71E-03
373	6.088E-02		0.04	8.17E-03	4.19E-03	4.61E-03	4.48E-03	4.91E-03
374	5.859E-02		0.04	7.93E-03	4.07E-03	4.44E-03	4.34E-03	4.73E-03
375	5.906E-02		0.04	7.73E-03	3.97E-03	4.36E-03	4.25E-03	4.65E-03
376	5.638E-02		0.04	6.90E-03	3.56E-03	3.93E-03	3.83E-03	4.22E-03
377	5.438E-02		0.04	6.18E-03	3.20E-03	3.56E-03	3.47E-03	3.84E-03
378	5.307E-02		0.04	5.64E-03	2.94E-03	3.22E-03	3.21E-03	3.50E-03
379	4.951E-02		0.04	5.02E-03	2.64E-03	2.84E-03	2.89E-03	3.10E-03
380	4.592E-02		0.04	4.43E-03	2.34E-03	2.51E-03	2.58E-03	2.76E-03
381	5.743E-02		0.05	2.29E-03	1.60E-03	1.57E-03	2.17E-03	2.16E-03
382	6.577E-02		0.06	2.62E-03	1.85E-03	1.76E-03	2.52E-03	2.46E-03
383	7.555E-02		0.07	3.03E-03	2.16E-03	1.99E-03	2.94E-03	2.80E-03
384	8.674E-02		0.08	3.54E-03	2.54E-03	2.24E-03	3.44E-03	3.19E-03
385	9.907E-02		0.09	4.16E-03	3.00E-03	2.53E-03	4.04E-03	3.62E-03
386	1.119E-01		0.10	4.99E-03	3.58E-03	2.83E-03	4.74E-03	4.05E-03
387	1.240E-01		0.11	6.07E-03	4.30E-03	3.12E-03	5.54E-03	4.43E-03
388	1.345E-01		0.12	7.43E-03	5.14E-03	3.37E-03	6.39E-03	4.70E-03
389	1.426E-01		0.12	9.26E-03	6.15E-03	3.53E-03	7.35E-03	4.80E-03
390	1.487E-01		0.12	1.19E-02	7.51E-03	3.58E-03	8.59E-03	4.73E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
391	1.541E-01		0.12	1.64E-02	9.67E-03	3.51E-03	1.06E-02	4.52E-03
392	1.661E-01		0.11	2.60E-02	1.44E-02	3.36E-03	1.52E-02	4.23E-03
393	2.446E-01		0.10	7.03E-02	3.63E-02	3.17E-03	3.70E-02	3.90E-03
394	1.866E-01		0.09	4.70E-02	2.45E-02	2.94E-03	2.51E-02	3.57E-03
395	1.259E-01		0.08	2.25E-02	1.21E-02	2.71E-03	1.26E-02	3.24E-03
396	9.969E-02		0.07	1.46E-02	7.99E-03	2.47E-03	8.43E-03	2.94E-03
397	8.251E-02		0.06	1.06E-02	5.87E-03	2.25E-03	6.25E-03	2.65E-03
398	6.976E-02		0.05	8.14E-03	4.54E-03	2.03E-03	4.87E-03	2.39E-03
399	6.314E-02		0.06	2.33E-03	1.67E-03	1.71E-03	2.31E-03	2.38E-03
400	7.365E-02		0.07	2.67E-03	1.94E-03	1.94E-03	2.71E-03	2.75E-03
401	8.652E-02		0.08	3.08E-03	2.27E-03	2.23E-03	3.21E-03	3.20E-03
402	1.022E-01		0.09	3.66E-03	2.73E-03	2.57E-03	3.87E-03	3.75E-03
403	1.205E-01		0.11	4.44E-03	3.34E-03	2.97E-03	4.71E-03	4.40E-03
404	1.402E-01		0.12	5.46E-03	4.13E-03	3.43E-03	5.73E-03	5.10E-03
405	1.593E-01		0.14	6.76E-03	5.09E-03	3.91E-03	6.86E-03	5.77E-03
406	1.757E-01		0.15	8.48E-03	6.25E-03	4.34E-03	8.05E-03	6.24E-03
407	1.883E-01		0.16	1.09E-02	7.65E-03	4.60E-03	9.34E-03	6.39E-03
408	1.975E-01		0.16	1.45E-02	9.52E-03	4.65E-03	1.10E-02	6.22E-03
409	2.053E-01		0.16	2.09E-02	1.26E-02	4.50E-03	1.38E-02	5.80E-03
410	2.246E-01		0.15	3.68E-02	2.03E-02	4.21E-03	2.13E-02	5.28E-03
411	4.153E-01		0.13	1.41E-01	7.20E-02	3.89E-03	7.28E-02	4.76E-03
412	2.917E-01		0.11	8.83E-02	4.55E-02	3.55E-03	4.61E-02	4.28E-03
413	1.623E-01		0.09	3.25E-02	1.73E-02	3.21E-03	1.78E-02	3.81E-03
414	1.200E-01		0.08	1.89E-02	1.03E-02	2.88E-03	1.07E-02	3.40E-03
415	9.542E-02		0.07	1.29E-02	7.08E-03	2.58E-03	7.49E-03	3.02E-03
416	7.833E-02		0.06	9.46E-03	5.25E-03	2.29E-03	5.61E-03	2.67E-03
417	6.883E-02		0.06	2.40E-03	1.72E-03	1.84E-03	2.44E-03	2.59E-03
418	8.215E-02		0.07	2.72E-03	2.01E-03	2.13E-03	2.90E-03	3.05E-03
419	9.925E-02		0.09	3.14E-03	2.39E-03	2.49E-03	3.51E-03	3.65E-03
420	1.215E-01		0.11	3.81E-03	2.95E-03	2.94E-03	4.39E-03	4.43E-03
421	1.495E-01		0.14	4.67E-03	3.71E-03	3.52E-03	5.57E-03	5.45E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
422	1.823E-01		0.16	5.75E-03	4.71E-03	4.25E-03	7.06E-03	6.70E-03
423	2.155E-01		0.19	7.26E-03	6.06E-03	5.11E-03	8.85E-03	8.01E-03
424	2.427E-01		0.21	9.39E-03	7.78E-03	5.94E-03	1.07E-02	8.98E-03
425	2.620E-01		0.23	1.25E-02	9.81E-03	6.43E-03	1.24E-02	9.18E-03
426	2.766E-01		0.23	1.72E-02	1.22E-02	6.42E-03	1.43E-02	8.66E-03
427	2.858E-01		0.23	2.52E-02	1.60E-02	6.00E-03	1.76E-02	7.73E-03
428	3.007E-01		0.21	4.37E-02	2.47E-02	5.44E-03	2.59E-02	6.77E-03
429	4.702E-01		0.17	1.45E-01	7.48E-02	4.88E-03	7.57E-02	5.92E-03
430	3.515E-01		0.14	1.03E-01	5.30E-02	4.35E-03	5.38E-02	5.17E-03
431	1.963E-01		0.11	3.92E-02	2.09E-02	3.85E-03	2.15E-02	4.53E-03
432	1.408E-01		0.09	2.25E-02	1.22E-02	3.39E-03	1.27E-02	3.96E-03
433	1.092E-01		0.08	1.49E-02	8.19E-03	2.99E-03	8.64E-03	3.47E-03
434	8.781E-02		0.06	1.07E-02	5.94E-03	2.62E-03	6.32E-03	3.03E-03
435	7.267E-02		0.07	2.40E-03	1.72E-03	1.97E-03	2.51E-03	2.78E-03
436	8.918E-02		0.08	2.78E-03	2.06E-03	2.30E-03	3.07E-03	3.35E-03
437	1.127E-01		0.10	3.28E-03	2.52E-03	2.75E-03	3.85E-03	4.12E-03
438	1.447E-01		0.13	3.92E-03	3.15E-03	3.34E-03	4.97E-03	5.21E-03
439	1.896E-01		0.17	4.78E-03	4.05E-03	4.16E-03	6.62E-03	6.82E-03
440	2.502E-01		0.23	5.99E-03	5.41E-03	5.34E-03	9.15E-03	9.20E-03
441	3.177E-01		0.29	7.74E-03	7.53E-03	7.02E-03	1.26E-02	1.23E-02
442	3.669E-01		0.33	1.03E-02	1.05E-02	9.01E-03	1.61E-02	1.49E-02
443	3.950E-01		0.35	1.42E-02	1.38E-02	1.02E-02	1.84E-02	1.52E-02
444	4.257E-01		0.37	2.04E-02	1.70E-02	9.79E-03	2.02E-02	1.33E-02
445	4.471E-01		0.37	3.02E-02	2.11E-02	8.49E-03	2.33E-02	1.09E-02
446	4.390E-01		0.33	4.96E-02	2.97E-02	7.27E-03	3.13E-02	8.93E-03
447	5.544E-01		0.25	1.47E-01	7.70E-02	6.28E-03	7.81E-02	7.50E-03
448	4.117E-01		0.19	1.10E-01	5.74E-02	5.43E-03	5.83E-02	6.37E-03
449	2.305E-01		0.14	4.31E-02	2.31E-02	4.70E-03	2.38E-02	5.45E-03
450	1.619E-01		0.11	2.48E-02	1.35E-02	4.05E-03	1.41E-02	4.67E-03
451	1.221E-01		0.09	1.63E-02	8.94E-03	3.47E-03	9.43E-03	3.98E-03
452	9.679E-02		0.07	1.16E-02	6.44E-03	2.99E-03	6.85E-03	3.43E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
453	7.552E-02		0.07	2.38E-03	1.68E-03	2.01E-03	2.50E-03	2.85E-03
454	9.486E-02		0.09	2.77E-03	2.03E-03	2.43E-03	3.12E-03	3.55E-03
455	1.237E-01		0.11	3.32E-03	2.56E-03	2.98E-03	4.06E-03	4.54E-03
456	1.686E-01		0.16	4.03E-03	3.29E-03	3.72E-03	5.48E-03	5.98E-03
457	2.425E-01		0.22	4.91E-03	4.33E-03	4.82E-03	7.83E-03	8.42E-03
458	3.707E-01		0.35	6.04E-03	6.08E-03	6.65E-03	1.24E-02	1.31E-02
459	5.675E-01		0.53	8.04E-03	9.78E-03	1.01E-02	2.25E-02	2.32E-02
460	6.805E-01		0.62	1.11E-02	1.75E-02	1.70E-02	3.43E-02	3.45E-02
461	6.739E-01		0.59	1.64E-02	2.57E-02	2.21E-02	3.74E-02	3.47E-02
462	7.981E-01		0.70	2.67E-02	3.05E-02	1.82E-02	3.62E-02	2.48E-02
463	9.589E-01		0.84	4.20E-02	3.48E-02	1.29E-02	3.78E-02	1.63E-02
464	8.493E-01		0.70	6.30E-02	4.27E-02	1.01E-02	4.46E-02	1.21E-02
465	7.333E-01		0.41	1.54E-01	8.48E-02	8.30E-03	8.62E-02	9.73E-03
466	4.919E-01		0.25	1.17E-01	6.21E-02	6.97E-03	6.31E-02	8.03E-03
467	2.678E-01		0.17	4.55E-02	2.47E-02	5.85E-03	2.55E-02	6.68E-03
468	1.823E-01		0.13	2.59E-02	1.42E-02	4.88E-03	1.48E-02	5.55E-03
469	1.351E-01		0.10	1.71E-02	9.39E-03	4.08E-03	9.92E-03	4.63E-03
470	1.053E-01		0.08	1.22E-02	6.73E-03	3.43E-03	7.17E-03	3.89E-03
471	7.136E-02		0.06	2.28E-03	1.59E-03	1.95E-03	2.36E-03	2.74E-03
472	9.537E-02		0.09	2.74E-03	1.96E-03	2.42E-03	3.03E-03	3.52E-03
473	1.307E-01		0.12	3.29E-03	2.47E-03	3.07E-03	4.04E-03	4.70E-03
474	1.851E-01		0.17	3.97E-03	3.17E-03	3.95E-03	5.59E-03	6.43E-03
475	2.905E-01		0.27	4.85E-03	4.25E-03	5.30E-03	8.50E-03	9.65E-03
476	5.914E-01		0.33	1.26E-01	6.92E-02	9.29E-03	7.04E-02	1.04E-02
477	3.014E-01		0.20	4.60E-02	2.52E-02	7.44E-03	2.61E-02	8.33E-03
478	2.001E-01		0.15	2.59E-02	1.42E-02	6.00E-03	1.49E-02	6.71E-03
479	1.460E-01		0.11	1.71E-02	9.42E-03	4.83E-03	9.97E-03	5.42E-03
480	1.125E-01		0.09	1.22E-02	6.77E-03	3.93E-03	7.23E-03	4.42E-03
481	6.671E-02		0.06	2.19E-03	1.49E-03	1.86E-03	2.20E-03	2.60E-03
482	8.915E-02		0.08	2.64E-03	1.85E-03	2.35E-03	2.85E-03	3.38E-03
483	1.204E-01		0.11	3.13E-03	2.26E-03	2.92E-03	3.68E-03	4.37E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
484	1.767E-01		0.16	3.80E-03	2.89E-03	3.79E-03	5.11E-03	6.07E-03
485	3.072E-01		0.29	4.89E-03	4.00E-03	5.36E-03	8.18E-03	9.61E-03
486	5.960E-01		0.35	1.23E-01	6.18E-02	1.31E-02	6.35E-02	1.43E-02
487	3.110E-01		0.22	4.24E-02	2.25E-02	9.90E-03	2.35E-02	1.08E-02
488	2.069E-01		0.16	2.40E-02	1.30E-02	7.42E-03	1.37E-02	8.16E-03
489	1.514E-01		0.12	1.61E-02	8.83E-03	5.72E-03	9.40E-03	6.32E-03
490	1.167E-01		0.09	1.17E-02	6.49E-03	4.51E-03	6.96E-03	5.01E-03
491	5.979E-02		0.05	2.04E-03	1.35E-03	1.72E-03	1.97E-03	2.36E-03
492	7.856E-02		0.07	2.44E-03	1.65E-03	2.14E-03	2.51E-03	3.02E-03
493	1.042E-01		0.10	2.89E-03	2.01E-03	2.66E-03	3.19E-03	3.87E-03
494	1.502E-01		0.14	3.57E-03	2.57E-03	3.49E-03	4.35E-03	5.32E-03
495	2.436E-01		0.23	4.57E-03	3.44E-03	4.88E-03	6.50E-03	8.01E-03
496	1.319E+00		1.26	1.22E-02	1.08E-02	2.10E-02	2.57E-02	3.63E-02
497	9.846E-01		0.89	1.91E-02	1.39E-02	5.56E-02	2.08E-02	6.32E-02
498	8.714E-01		0.57	1.77E-01	6.11E-02	3.04E-02	6.23E-02	3.19E-02
499	6.406E-01		0.33	1.57E-01	7.53E-02	2.21E-02	7.65E-02	2.33E-02
500	3.233E-01		0.22	5.12E-02	2.55E-02	1.39E-02	2.64E-02	1.48E-02
501	2.152E-01		0.16	2.78E-02	1.44E-02	9.37E-03	1.51E-02	1.01E-02
502	1.567E-01		0.12	1.79E-02	9.50E-03	6.76E-03	1.01E-02	7.36E-03
503	1.205E-01		0.09	1.26E-02	6.82E-03	5.13E-03	7.30E-03	5.63E-03
504	5.183E-02		0.05	1.87E-03	1.22E-03	1.54E-03	1.74E-03	2.08E-03
505	6.442E-02		0.06	2.17E-03	1.43E-03	1.85E-03	2.09E-03	2.53E-03
506	8.842E-02		0.08	2.69E-03	1.80E-03	2.42E-03	2.74E-03	3.39E-03
507	1.184E-01		0.11	3.23E-03	2.19E-03	3.05E-03	3.50E-03	4.38E-03
508	1.800E-01		0.17	4.24E-03	2.93E-03	4.30E-03	4.97E-03	6.38E-03
509	2.714E-01		0.25	5.49E-03	3.85E-03	6.06E-03	6.95E-03	9.23E-03
510	4.092E-01		0.38	7.40E-03	5.16E-03	9.30E-03	9.65E-03	1.39E-02
511	5.241E-01		0.49	1.08E-02	6.99E-03	1.62E-02	1.18E-02	2.11E-02
512	6.871E-01		0.62	1.76E-02	9.50E-03	3.94E-02	1.34E-02	4.33E-02
513	1.892E+00		1.75	3.65E-02	1.22E-02	7.03E-02	1.50E-02	9.70E-02
514	2.501E+00		2.33	6.37E-02	1.65E-02	8.69E-02	1.86E-02	8.88E-02

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
515	1.378E+00		1.18	8.09E-02	2.46E-02	8.57E-02	2.61E-02	8.73E-02
516	7.764E-01		0.51	1.28E-01	5.65E-02	8.43E-02	5.77E-02	8.56E-02
517	5.976E-01		0.30	1.51E-01	7.34E-02	5.65E-02	7.44E-02	5.76E-02
518	3.080E-01		0.20	5.21E-02	2.55E-02	2.02E-02	2.63E-02	2.10E-02
519	2.092E-01		0.15	2.91E-02	1.46E-02	1.17E-02	1.53E-02	1.24E-02
520	1.546E-01		0.12	1.89E-02	9.74E-03	7.86E-03	1.03E-02	8.44E-03
521	1.200E-01		0.09	1.33E-02	7.02E-03	5.74E-03	7.48E-03	6.24E-03
522	4.387E-02		0.04	1.68E-03	1.08E-03	1.35E-03	1.50E-03	1.79E-03
523	5.519E-02		0.05	2.00E-03	1.29E-03	1.67E-03	1.83E-03	2.23E-03
524	7.078E-02		0.06	2.42E-03	1.56E-03	2.08E-03	2.27E-03	2.81E-03
525	9.212E-02		0.08	2.94E-03	1.90E-03	2.64E-03	2.84E-03	3.61E-03
526	1.184E-01		0.11	3.55E-03	2.29E-03	3.35E-03	3.50E-03	4.58E-03
527	1.745E-01		0.16	4.90E-03	3.13E-03	4.98E-03	4.87E-03	6.76E-03
528	2.317E-01		0.21	6.56E-03	4.08E-03	7.22E-03	6.22E-03	9.41E-03
529	2.971E-01		0.27	9.21E-03	5.36E-03	1.14E-02	7.67E-03	1.36E-02
530	4.035E-01		0.36	1.38E-02	7.15E-03	2.00E-02	9.38E-03	2.22E-02
531	5.739E-01		0.51	2.12E-02	9.58E-03	3.31E-02	1.15E-02	3.47E-02
532	6.783E-01		0.59	3.20E-02	1.35E-02	4.00E-02	1.50E-02	4.15E-02
533	6.032E-01		0.49	4.95E-02	2.19E-02	4.49E-02	2.31E-02	4.62E-02
534	5.710E-01		0.33	1.13E-01	5.42E-02	6.95E-02	5.52E-02	7.05E-02
535	5.264E-01		0.24	1.43E-01	7.06E-02	7.51E-02	7.14E-02	7.60E-02
536	2.750E-01		0.18	4.98E-02	2.46E-02	2.45E-02	2.53E-02	2.52E-02
537	1.922E-01		0.13	2.83E-02	1.42E-02	1.33E-02	1.48E-02	1.40E-02
538	1.453E-01		0.11	1.86E-02	9.51E-03	8.66E-03	1.00E-02	9.21E-03
539	1.147E-01		0.09	1.33E-02	6.91E-03	6.18E-03	7.35E-03	6.65E-03
540	3.717E-02		0.03	1.51E-03	9.54E-04	1.19E-03	1.30E-03	1.55E-03
541	4.548E-02		0.04	1.79E-03	1.13E-03	1.44E-03	1.55E-03	1.88E-03
542	5.621E-02		0.05	2.14E-03	1.35E-03	1.77E-03	1.88E-03	2.32E-03
543	7.047E-02		0.06	2.60E-03	1.63E-03	2.22E-03	2.29E-03	2.90E-03
544	9.233E-02		0.08	3.32E-03	2.05E-03	2.95E-03	2.90E-03	3.83E-03
545	1.162E-01		0.10	4.19E-03	2.53E-03	3.87E-03	3.57E-03	4.93E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Cancer Risk					
Receptor #	Total Per/Million	Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
546	1.510E-01		0.14	5.63E-03	3.28E-03	5.46E-03	4.53E-03	6.73E-03
547	1.882E-01		0.17	7.64E-03	4.24E-03	7.73E-03	5.58E-03	9.10E-03
548	2.398E-01		0.21	1.10E-02	5.73E-03	1.14E-02	7.10E-03	1.28E-02
549	2.971E-01		0.26	1.59E-02	7.83E-03	1.59E-02	9.13E-03	1.72E-02
550	3.428E-01		0.29	2.43E-02	1.16E-02	2.07E-02	1.27E-02	2.18E-02
551	3.583E-01		0.27	4.10E-02	1.98E-02	2.72E-02	2.09E-02	2.83E-02
552	4.283E-01		0.22	1.03E-01	5.11E-02	5.76E-02	5.19E-02	5.85E-02
553	4.541E-01		0.17	1.39E-01	6.92E-02	7.23E-02	7.00E-02	7.30E-02
554	2.331E-01		0.14	4.60E-02	2.29E-02	2.43E-02	2.35E-02	2.49E-02
555	1.694E-01		0.12	2.64E-02	1.33E-02	1.34E-02	1.38E-02	1.40E-02
556	1.313E-01		0.10	1.76E-02	8.96E-03	8.77E-03	9.43E-03	9.27E-03
557	1.059E-01		0.08	1.27E-02	6.57E-03	6.28E-03	6.99E-03	6.72E-03
558	3.164E-02		0.03	1.37E-03	8.47E-04	1.05E-03	1.13E-03	1.34E-03
559	3.792E-02		0.03	1.61E-03	9.94E-04	1.26E-03	1.33E-03	1.61E-03
560	4.449E-02		0.04	1.87E-03	1.15E-03	1.49E-03	1.54E-03	1.89E-03
561	5.448E-02		0.05	2.28E-03	1.38E-03	1.85E-03	1.86E-03	2.34E-03
562	6.541E-02		0.06	2.75E-03	1.65E-03	2.28E-03	2.21E-03	2.86E-03
563	8.053E-02		0.07	3.48E-03	2.03E-03	2.95E-03	2.69E-03	3.63E-03
564	1.032E-01		0.09	4.69E-03	2.66E-03	4.08E-03	3.45E-03	4.88E-03
565	1.250E-01		0.11	6.25E-03	3.41E-03	5.47E-03	4.26E-03	6.34E-03
566	1.568E-01		0.13	8.91E-03	4.67E-03	7.65E-03	5.59E-03	8.58E-03
567	1.841E-01		0.15	1.27E-02	6.44E-03	1.02E-02	7.35E-03	1.11E-02
568	2.142E-01		0.17	1.94E-02	9.65E-03	1.39E-02	1.05E-02	1.48E-02
569	2.237E-01		0.16	3.22E-02	1.60E-02	1.96E-02	1.67E-02	2.04E-02
570	3.236E-01		0.14	9.05E-02	4.51E-02	4.82E-02	4.58E-02	4.89E-02
571	3.987E-01		0.13	1.35E-01	6.75E-02	6.98E-02	6.81E-02	7.04E-02
572	1.941E-01		0.11	4.10E-02	2.05E-02	2.17E-02	2.11E-02	2.23E-02
573	1.422E-01		0.09	2.31E-02	1.16E-02	1.23E-02	1.21E-02	1.28E-02
574	1.142E-01		0.08	1.57E-02	8.02E-03	8.22E-03	8.45E-03	8.68E-03
575	9.526E-02		0.07	1.17E-02	6.03E-03	6.01E-03	6.42E-03	6.41E-03

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

		Chronic Non Cancer Risk								
Receptor #	**Receptor #**	**Max Chronic**	**Rec#**		**Onsite**	**Building 1 Haul East**	**Building 2 Haul East**	**Building 2 Haul North**	**Building 3 Haul East**	**Building 3 Haul North**
		0.00065	**514**	**<-Max**	**0.0006**	**0.0001**	**0.00003**	**0.00002**	**0.00003**	**0.00002**
1	**1**	0.00001			8.60E-06	4.59E-07	3.05E-07	2.79E-07	3.94E-07	3.72E-07
2	**2**	0.00001			9.47E-06	5.10E-07	3.41E-07	3.04E-07	4.39E-07	4.07E-07
3	**3**	0.00001			1.04E-05	5.69E-07	3.80E-07	3.31E-07	4.90E-07	4.45E-07
4	**4**	0.00001			1.15E-05	6.40E-07	4.28E-07	3.60E-07	5.49E-07	4.87E-07
5	**5**	0.00001			1.25E-05	7.18E-07	4.80E-07	3.92E-07	6.13E-07	5.30E-07
6	**6**	0.00002			1.37E-05	8.10E-07	5.41E-07	4.24E-07	6.85E-07	5.75E-07
7	**7**	0.00002			1.47E-05	9.18E-07	6.10E-07	4.56E-07	7.64E-07	6.17E-07
8	**8**	0.00002			1.57E-05	1.05E-06	6.88E-07	4.86E-07	8.49E-07	6.54E-07
9	**9**	0.00002			1.64E-05	1.20E-06	7.77E-07	5.12E-07	9.40E-07	6.84E-07
10	**10**	0.00002			1.69E-05	1.38E-06	8.76E-07	5.31E-07	1.04E-06	7.01E-07
11	**11**	0.00002			1.71E-05	1.59E-06	9.87E-07	5.42E-07	1.14E-06	7.06E-07
12	**12**	0.00002			1.70E-05	1.84E-06	1.11E-06	5.44E-07	1.25E-06	6.99E-07
13	**13**	0.00002			1.65E-05	2.10E-06	1.23E-06	5.37E-07	1.37E-06	6.81E-07
14	**14**	0.00002			1.58E-05	2.31E-06	1.33E-06	5.23E-07	1.45E-06	6.54E-07
15	**15**	0.00002			1.48E-05	2.37E-06	1.34E-06	5.04E-07	1.45E-06	6.22E-07
16	**16**	0.00002			1.38E-05	2.22E-06	1.25E-06	4.79E-07	1.35E-06	5.85E-07
17	**17**	0.00002			1.27E-05	1.97E-06	1.11E-06	4.53E-07	1.20E-06	5.49E-07
18	**18**	0.00002			1.16E-05	1.69E-06	9.56E-07	4.25E-07	1.04E-06	5.11E-07
19	**19**	0.00001			1.05E-05	1.45E-06	8.20E-07	3.97E-07	8.92E-07	4.74E-07
20	**20**	0.00001			9.55E-06	1.24E-06	7.06E-07	3.70E-07	7.72E-07	4.39E-07
21	**21**	0.00001			8.68E-06	1.07E-06	6.11E-07	3.43E-07	6.71E-07	4.06E-07
22	**22**	0.00001			7.88E-06	9.30E-07	5.32E-07	3.18E-07	5.86E-07	3.75E-07
23	**23**	0.00001			9.38E-06	4.73E-07	3.19E-07	3.01E-07	4.17E-07	4.03E-07

9th and Vineyard Operational HRA

Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Onsite**	**Building 1 Haul East**	**Building 2 Haul East**	**Building 2 Haul North**	**Building 3 Haul East**	**Building 3 Haul North**
24	**24**	0.00001	1.04E-05	5.29E-07	3.58E-07	3.30E-07	4.69E-07	4.46E-07
25	**25**	0.00001	1.17E-05	5.95E-07	4.05E-07	3.63E-07	5.30E-07	4.94E-07
26	**26**	0.00001	1.30E-05	6.75E-07	4.60E-07	4.00E-07	6.01E-07	5.48E-07
27	**27**	0.00002	1.44E-05	7.69E-07	5.25E-07	4.40E-07	6.84E-07	6.06E-07
28	**28**	0.00002	1.60E-05	8.77E-07	6.00E-07	4.84E-07	7.75E-07	6.67E-07
29	**29**	0.00002	1.75E-05	1.02E-06	6.92E-07	5.28E-07	8.82E-07	7.27E-07
30	**30**	0.00002	1.89E-05	1.18E-06	7.95E-07	5.70E-07	9.96E-07	7.82E-07
31	**31**	0.00002	2.00E-05	1.38E-06	9.14E-07	6.07E-07	1.12E-06	8.24E-07
32	**32**	0.00002	2.07E-05	1.63E-06	1.05E-06	6.34E-07	1.26E-06	8.49E-07
33	**33**	0.00003	2.10E-05	1.95E-06	1.22E-06	6.49E-07	1.41E-06	8.54E-07
34	**34**	0.00003	2.08E-05	2.37E-06	1.43E-06	6.51E-07	1.61E-06	8.41E-07
35	**35**	0.00003	2.02E-05	2.91E-06	1.69E-06	6.40E-07	1.85E-06	8.13E-07
36	**36**	0.00003	1.91E-05	3.51E-06	1.97E-06	6.19E-07	2.12E-06	7.74E-07
37	**37**	0.00003	1.77E-05	3.74E-06	2.06E-06	5.89E-07	2.19E-06	7.25E-07
38	**38**	0.00002	1.62E-05	3.28E-06	1.81E-06	5.55E-07	1.92E-06	6.76E-07
39	**39**	0.00002	1.46E-05	2.66E-06	1.48E-06	5.20E-07	1.58E-06	6.27E-07
40	**40**	0.00002	1.32E-05	2.14E-06	1.20E-06	4.83E-07	1.29E-06	5.78E-07
41	**41**	0.00002	1.18E-05	1.75E-06	9.82E-07	4.47E-07	1.06E-06	5.31E-07
42	**42**	0.00001	1.05E-05	1.45E-06	8.17E-07	4.11E-07	8.88E-07	4.86E-07
43	**43**	0.00001	9.45E-06	1.22E-06	6.89E-07	3.77E-07	7.53E-07	4.45E-07
44	**44**	0.00001	8.54E-06	1.04E-06	5.92E-07	3.48E-07	6.49E-07	4.09E-07
45	**45**	0.00001	1.02E-05	4.81E-07	3.29E-07	3.23E-07	4.38E-07	4.37E-07
46	**46**	0.00001	1.15E-05	5.42E-07	3.73E-07	3.58E-07	4.98E-07	4.89E-07
47	**47**	0.00001	1.30E-05	6.14E-07	4.26E-07	3.99E-07	5.70E-07	5.49E-07
48	**48**	0.00002	1.48E-05	6.99E-07	4.89E-07	4.45E-07	6.55E-07	6.19E-07
49	**49**	0.00002	1.68E-05	8.07E-07	5.67E-07	4.98E-07	7.58E-07	6.97E-07

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

		Chronic Non Cancer Risk						
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
50	**50**	0.00002	1.89E-05	9.40E-07	6.62E-07	5.56E-07	8.80E-07	7.83E-07
51	**51**	0.00002	2.11E-05	1.10E-06	7.77E-07	6.18E-07	1.02E-06	8.72E-07
52	**52**	0.00003	2.32E-05	1.32E-06	9.17E-07	6.80E-07	1.18E-06	9.55E-07
53	**53**	0.00003	2.50E-05	1.58E-06	1.08E-06	7.36E-07	1.35E-06	1.02E-06
54	**54**	0.00003	2.61E-05	1.92E-06	1.28E-06	7.77E-07	1.54E-06	1.06E-06
55	**55**	0.00003	2.66E-05	2.38E-06	1.52E-06	7.98E-07	1.77E-06	1.06E-06
56	**56**	0.00003	2.63E-05	3.07E-06	1.86E-06	7.97E-07	2.08E-06	1.04E-06
57	**57**	0.00003	2.53E-05	4.20E-06	2.41E-06	7.77E-07	2.61E-06	9.89E-07
58	**58**	0.00004	2.37E-05	6.47E-06	3.51E-06	7.45E-07	3.68E-06	9.29E-07
59	**59**	0.00004	2.15E-05	8.62E-06	4.55E-06	7.00E-07	4.70E-06	8.58E-07
60	**60**	0.00003	1.93E-05	5.56E-06	2.99E-06	6.51E-07	3.11E-06	7.88E-07
61	**61**	0.00003	1.71E-05	3.75E-06	2.05E-06	6.02E-07	2.16E-06	7.22E-07
62	**62**	0.00002	1.50E-05	2.74E-06	1.52E-06	5.53E-07	1.61E-06	6.57E-07
63	**63**	0.00002	1.32E-05	2.12E-06	1.18E-06	5.05E-07	1.27E-06	5.96E-07
64	**64**	0.00002	1.17E-05	1.69E-06	9.48E-07	4.60E-07	1.02E-06	5.41E-07
65	**65**	0.00001	1.04E-05	1.39E-06	7.81E-07	4.19E-07	8.49E-07	4.91E-07
66	**66**	0.00001	9.25E-06	1.16E-06	6.56E-07	3.82E-07	7.17E-07	4.46E-07
67	**67**	0.00001	1.11E-05	4.83E-07	3.36E-07	3.46E-07	4.56E-07	4.71E-07
68	**68**	0.00001	1.26E-05	5.48E-07	3.85E-07	3.88E-07	5.25E-07	5.34E-07
69	**69**	0.00002	1.46E-05	6.21E-07	4.42E-07	4.37E-07	6.07E-07	6.09E-07
70	**70**	0.00002	1.69E-05	7.18E-07	5.16E-07	4.95E-07	7.12E-07	7.00E-07
71	**71**	0.00002	1.96E-05	8.38E-07	6.08E-07	5.64E-07	8.42E-07	8.07E-07
72	**72**	0.00003	2.27E-05	9.89E-07	7.25E-07	6.44E-07	1.00E-06	9.32E-07
73	**73**	0.00003	2.61E-05	1.18E-06	8.71E-07	7.34E-07	1.19E-06	1.07E-06
74	**74**	0.00003	2.94E-05	1.44E-06	1.06E-06	8.29E-07	1.42E-06	1.20E-06
75	**75**	0.00004	3.21E-05	1.79E-06	1.29E-06	9.18E-07	1.66E-06	1.31E-06
76	**76**	0.00004	3.41E-05	2.24E-06	1.56E-06	9.86E-07	1.93E-06	1.37E-06
77	**77**	0.00004	3.49E-05	2.88E-06	1.90E-06	1.02E-06	2.24E-06	1.37E-06
78	**78**	0.00004	3.47E-05	3.89E-06	2.41E-06	1.01E-06	2.70E-06	1.32E-06
79	**79**	0.00005	3.30E-05	5.90E-06	3.37E-06	9.71E-07	3.62E-06	1.24E-06
80	**80**	0.00006	3.03E-05	1.27E-05	6.72E-06	9.12E-07	6.93E-06	1.13E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
81	**81**	0.00010	2.69E-05	3.81E-05	1.94E-05	8.45E-07	1.95E-05	1.03E-06
82	**82**	0.00004	2.34E-05	1.01E-05	5.31E-06	7.75E-07	5.46E-06	9.31E-07
83	**83**	0.00003	2.01E-05	5.28E-06	2.85E-06	7.04E-07	2.97E-06	8.37E-07
84	**84**	0.00002	1.73E-05	3.49E-06	1.91E-06	6.37E-07	2.02E-06	7.51E-07
85	**85**	0.00002	1.48E-05	2.53E-06	1.40E-06	5.71E-07	1.49E-06	6.70E-07
86	**86**	0.00002	1.29E-05	1.96E-06	1.09E-06	5.16E-07	1.17E-06	6.03E-07
87	**87**	0.00001	1.13E-05	1.56E-06	8.77E-07	4.64E-07	9.49E-07	5.41E-07
88	**88**	0.00001	9.99E-06	1.28E-06	7.23E-07	4.19E-07	7.87E-07	4.87E-07
89	**89**	0.00001	1.19E-05	5.00E-07	3.49E-07	3.69E-07	4.80E-07	5.05E-07
90	**90**	0.00002	1.38E-05	5.60E-07	3.99E-07	4.17E-07	5.55E-07	5.80E-07
91	**91**	0.00002	1.62E-05	6.32E-07	4.59E-07	4.76E-07	6.47E-07	6.73E-07
92	**92**	0.00002	1.93E-05	7.27E-07	5.38E-07	5.49E-07	7.70E-07	7.89E-07
93	**93**	0.00003	2.31E-05	8.50E-07	6.43E-07	6.38E-07	9.31E-07	9.37E-07
94	**94**	0.00003	2.77E-05	1.03E-06	7.92E-07	7.48E-07	1.15E-06	1.12E-06
95	**95**	0.00004	3.30E-05	1.26E-06	9.86E-07	8.82E-07	1.43E-06	1.34E-06
96	**96**	0.00004	3.86E-05	1.57E-06	1.24E-06	1.04E-06	1.76E-06	1.58E-06
97	**97**	0.00005	4.33E-05	1.98E-06	1.55E-06	1.19E-06	2.12E-06	1.79E-06
98	**98**	0.00005	4.66E-05	2.56E-06	1.94E-06	1.32E-06	2.49E-06	1.90E-06
99	**99**	0.00006	4.82E-05	3.40E-06	2.41E-06	1.36E-06	2.89E-06	1.88E-06
100	**100**	0.00006	4.80E-05	4.74E-06	3.06E-06	1.33E-06	3.45E-06	1.75E-06
101	**101**	0.00006	4.54E-05	7.41E-06	4.33E-06	1.25E-06	4.64E-06	1.58E-06
102	**102**	0.00007	4.05E-05	1.61E-05	8.61E-06	1.14E-06	8.85E-06	1.41E-06
103	**103**	0.00010	3.45E-05	3.23E-05	1.66E-05	1.04E-06	1.68E-05	1.25E-06
104	**104**	0.00006	2.87E-05	1.36E-05	7.11E-06	9.31E-07	7.27E-06	1.11E-06
105	**105**	0.00004	2.38E-05	6.73E-06	3.62E-06	8.33E-07	3.75E-06	9.80E-07
106	**106**	0.00003	1.99E-05	4.23E-06	2.31E-06	7.40E-07	2.43E-06	8.65E-07
107	**107**	0.00002	1.67E-05	2.97E-06	1.64E-06	6.55E-07	1.74E-06	7.62E-07
108	**108**	0.00002	1.43E-05	2.22E-06	1.23E-06	5.81E-07	1.32E-06	6.73E-07
109	**109**	0.00002	1.23E-05	1.74E-06	9.70E-07	5.16E-07	1.05E-06	5.97E-07
110	**110**	0.00001	1.08E-05	1.40E-06	7.88E-07	4.60E-07	8.56E-07	5.32E-07
111	**111**	0.00001	1.24E-05	5.05E-07	3.53E-07	3.90E-07	4.93E-07	5.36E-07

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

		Chronic Non Cancer Risk						
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Onsite**	**Building 1 Haul East**	**Building 2 Haul East**	**Building 2 Haul North**	**Building 3 Haul East**	**Building 3 Haul North**
112	**112**	0.00002	1.49E-05	5.78E-07	4.11E-07	4.46E-07	5.82E-07	6.23E-07
113	**113**	0.00002	1.77E-05	6.45E-07	4.70E-07	5.15E-07	6.82E-07	7.35E-07
114	**114**	0.00002	2.16E-05	7.38E-07	5.55E-07	6.04E-07	8.25E-07	8.83E-07
115	**115**	0.00003	2.71E-05	8.65E-07	6.77E-07	7.18E-07	1.03E-06	1.08E-06
116	**116**	0.00004	3.41E-05	1.07E-06	8.63E-07	8.69E-07	1.33E-06	1.36E-06
117	**117**	0.00005	4.33E-05	1.32E-06	1.11E-06	1.07E-06	1.75E-06	1.73E-06
118	**118**	0.00006	5.37E-05	1.66E-06	1.46E-06	1.34E-06	2.30E-06	2.21E-06
119	**119**	0.00007	6.27E-05	2.15E-06	1.95E-06	1.65E-06	2.92E-06	2.67E-06
120	**120**	0.00008	6.82E-05	2.86E-06	2.54E-06	1.92E-06	3.47E-06	2.91E-06
121	**121**	0.00008	7.14E-05	3.93E-06	3.19E-06	2.00E-06	3.94E-06	2.81E-06
122	**122**	0.00009	7.25E-05	5.63E-06	3.99E-06	1.88E-06	4.54E-06	2.47E-06
123	**123**	0.00009	6.85E-05	8.71E-06	5.38E-06	1.67E-06	5.77E-06	2.11E-06
124	**124**	0.00010	5.83E-05	1.76E-05	9.65E-06	1.47E-06	9.95E-06	1.80E-06
125	**125**	0.00012	4.62E-05	3.40E-05	1.76E-05	1.30E-06	1.78E-05	1.55E-06
126	**126**	0.00007	3.59E-05	1.53E-05	8.06E-06	1.14E-06	8.24E-06	1.34E-06
127	**127**	0.00004	2.84E-05	7.69E-06	4.14E-06	9.96E-07	4.30E-06	1.16E-06
128	**128**	0.00003	2.29E-05	4.80E-06	2.62E-06	8.68E-07	2.75E-06	1.00E-06
129	**129**	0.00003	1.88E-05	3.31E-06	1.82E-06	7.53E-07	1.93E-06	8.68E-07
130	**130**	0.00002	1.57E-05	2.44E-06	1.35E-06	6.57E-07	1.45E-06	7.56E-07
131	**131**	0.00002	1.34E-05	1.89E-06	1.05E-06	5.74E-07	1.13E-06	6.60E-07
132	**132**	0.00001	1.16E-05	1.51E-06	8.45E-07	5.06E-07	9.17E-07	5.82E-07
133	**133**	0.00001	1.28E-05	4.98E-07	3.44E-07	4.03E-07	4.90E-07	5.54E-07
134	**134**	0.00002	1.54E-05	5.65E-07	3.99E-07	4.69E-07	5.83E-07	6.58E-07
135	**135**	0.00002	1.88E-05	6.45E-07	4.68E-07	5.48E-07	7.01E-07	7.89E-07
136	**136**	0.00003	2.38E-05	7.60E-07	5.76E-07	6.55E-07	8.81E-07	9.72E-07
137	**137**	0.00003	3.14E-05	9.22E-07	7.27E-07	7.97E-07	1.15E-06	1.23E-06
138	**138**	0.00005	4.23E-05	1.09E-06	9.19E-07	9.96E-07	1.53E-06	1.63E-06
139	**139**	0.00006	5.89E-05	1.36E-06	1.23E-06	1.29E-06	2.18E-06	2.28E-06
140	**140**	0.00009	8.25E-05	1.71E-06	1.74E-06	1.77E-06	3.29E-06	3.37E-06
141	**141**	0.00011	1.04E-04	2.31E-06	2.66E-06	2.53E-06	4.85E-06	4.80E-06
142	**142**	0.00012	1.11E-04	3.18E-06	3.88E-06	3.37E-06	5.91E-06	5.51E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
143	**143**	0.00013	1.17E-04	4.66E-06	4.95E-06	3.49E-06	6.32E-06	4.99E-06
144	**144**	0.00015	1.30E-04	7.04E-06	5.91E-06	2.91E-06	6.71E-06	3.81E-06
145	**145**	0.00015	1.26E-04	1.06E-05	7.29E-06	2.35E-06	7.80E-06	2.91E-06
146	**146**	0.00014	9.60E-05	1.94E-05	1.12E-05	1.96E-06	1.16E-05	2.35E-06
147	**147**	0.00014	6.51E-05	3.58E-05	1.89E-05	1.67E-06	1.92E-05	1.95E-06
148	**148**	0.00008	4.56E-05	1.63E-05	8.74E-06	1.42E-06	8.95E-06	1.64E-06
149	**149**	0.00005	3.39E-05	8.26E-06	4.49E-06	1.21E-06	4.66E-06	1.39E-06
150	**150**	0.00004	2.62E-05	5.13E-06	2.81E-06	1.03E-06	2.95E-06	1.17E-06
151	**151**	0.00003	2.10E-05	3.53E-06	1.94E-06	8.70E-07	2.06E-06	9.93E-07
152	**152**	0.00002	1.73E-05	2.59E-06	1.44E-06	7.44E-07	1.54E-06	8.49E-07
153	**153**	0.00002	1.45E-05	1.99E-06	1.11E-06	6.40E-07	1.20E-06	7.30E-07
154	**154**	0.00002	1.24E-05	1.58E-06	8.88E-07	5.55E-07	9.63E-07	6.34E-07
155	**155**	0.00001	1.17E-05	4.64E-07	3.14E-07	3.79E-07	4.49E-07	5.18E-07
156	**156**	0.00002	1.46E-05	5.36E-07	3.71E-07	4.49E-07	5.44E-07	6.28E-07
157	**157**	0.00002	1.95E-05	6.41E-07	4.55E-07	5.54E-07	6.93E-07	7.99E-07
158	**158**	0.00003	2.52E-05	7.47E-07	5.49E-07	6.71E-07	8.74E-07	1.01E-06
159	**159**	0.00004	3.45E-05	9.04E-07	7.08E-07	8.59E-07	1.19E-06	1.35E-06
160	**160**	0.00005	5.01E-05	1.10E-06	9.30E-07	1.11E-06	1.68E-06	1.88E-06
161	**161**	0.00009	8.08E-05	1.37E-06	1.30E-06	1.51E-06	2.66E-06	2.91E-06
162	**162**	0.00016	1.50E-04	1.77E-06	2.04E-06	2.29E-06	5.32E-06	5.63E-06
163	**163**	0.00028	2.60E-04	2.39E-06	4.24E-06	4.48E-06	1.62E-05	1.67E-05
164	**164**	0.00026	2.30E-04	3.48E-06	1.04E-05	1.02E-05	2.00E-05	2.03E-05
165	**165**	0.00025	2.15E-04	5.85E-06	1.29E-05	1.01E-05	1.83E-05	1.62E-05
166	**166**	0.00046	4.18E-04	1.28E-05	1.41E-05	5.21E-06	1.53E-05	6.66E-06
167	**167**	0.00050	4.45E-04	1.88E-05	1.54E-05	3.45E-06	1.61E-05	4.16E-06
168	**168**	0.00029	2.21E-04	2.73E-05	1.86E-05	2.69E-06	1.92E-05	3.15E-06
169	**169**	0.00018	9.61E-05	4.03E-05	2.23E-05	2.21E-06	2.27E-05	2.54E-06
170	**170**	0.00009	5.78E-05	1.72E-05	9.37E-06	1.82E-06	9.61E-06	2.07E-06
171	**171**	0.00006	3.99E-05	8.48E-06	4.65E-06	1.49E-06	4.83E-06	1.69E-06
172	**172**	0.00004	2.98E-05	5.25E-06	2.89E-06	1.23E-06	3.04E-06	1.38E-06
173	**173**	0.00003	2.32E-05	3.61E-06	2.00E-06	1.01E-06	2.12E-06	1.14E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

		Chronic Non Cancer Risk						
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Onsite**	**Building 1 Haul East**	**Building 2 Haul East**	**Building 2 Haul North**	**Building 3 Haul East**	**Building 3 Haul North**
174	**174**	0.00002	1.88E-05	2.65E-06	1.47E-06	8.43E-07	1.58E-06	9.54E-07
175	**175**	0.00002	1.56E-05	2.04E-06	1.14E-06	7.13E-07	1.23E-06	8.08E-07
176	**176**	0.00002	1.32E-05	1.63E-06	9.12E-07	6.09E-07	9.90E-07	6.92E-07
177	**177**	0.00001	1.12E-05	4.50E-07	3.00E-07	3.66E-07	4.28E-07	4.98E-07
178	**178**	0.00002	1.42E-05	5.27E-07	3.59E-07	4.42E-07	5.25E-07	6.13E-07
179	**179**	0.00002	1.89E-05	6.33E-07	4.43E-07	5.51E-07	6.72E-07	7.87E-07
180	**180**	0.00003	2.60E-05	7.62E-07	5.50E-07	6.93E-07	8.81E-07	1.03E-06
181	**181**	0.00004	3.65E-05	9.17E-07	7.00E-07	8.87E-07	1.19E-06	1.39E-06
182	**182**	0.00006	5.54E-05	1.12E-06	9.10E-07	1.17E-06	1.71E-06	1.99E-06
183	**183**	0.00011	1.00E-04	1.40E-06	1.27E-06	1.63E-06	2.87E-06	3.26E-06
184	**184**	0.00023	1.20E-04	5.07E-05	2.86E-05	3.08E-06	2.93E-05	3.43E-06
185	**185**	0.00010	6.72E-05	1.70E-05	9.18E-06	2.42E-06	9.46E-06	2.68E-06
186	**186**	0.00006	4.51E-05	8.19E-06	4.47E-06	1.90E-06	4.67E-06	2.10E-06
187	**187**	0.00004	3.28E-05	5.09E-06	2.80E-06	1.48E-06	2.95E-06	1.65E-06
188	**188**	0.00003	2.52E-05	3.54E-06	1.95E-06	1.18E-06	2.08E-06	1.31E-06
189	**189**	0.00003	2.01E-05	2.62E-06	1.46E-06	9.55E-07	1.56E-06	1.07E-06
190	**190**	0.00002	1.65E-05	2.03E-06	1.13E-06	7.91E-07	1.23E-06	8.89E-07
191	**191**	0.00002	1.39E-05	1.62E-06	9.11E-07	6.65E-07	9.91E-07	7.50E-07
192	**192**	0.00001	1.03E-05	4.23E-07	2.77E-07	3.43E-07	3.92E-07	4.61E-07
193	**193**	0.00001	1.29E-05	4.93E-07	3.28E-07	4.11E-07	4.76E-07	5.63E-07
194	**194**	0.00002	1.69E-05	5.92E-07	4.03E-07	5.12E-07	6.04E-07	7.19E-07
195	**195**	0.00003	2.28E-05	7.11E-07	4.99E-07	6.44E-07	7.80E-07	9.33E-07
196	**196**	0.00004	3.31E-05	8.75E-07	6.36E-07	8.41E-07	1.07E-06	1.28E-06
197	**197**	0.00005	5.04E-05	1.06E-06	8.10E-07	1.10E-06	1.49E-06	1.80E-06
198	**198**	0.00010	9.42E-05	1.37E-06	1.11E-06	1.57E-06	2.45E-06	2.93E-06
199	**199**	0.00036	3.40E-04	3.75E-06	4.13E-06	8.36E-06	7.71E-06	1.21E-05
200	**200**	0.00020	1.10E-04	4.79E-05	2.11E-05	4.84E-06	2.15E-05	5.18E-06
201	**201**	0.00011	6.85E-05	1.89E-05	9.43E-06	3.48E-06	9.70E-06	3.74E-06
202	**202**	0.00006	4.67E-05	8.59E-06	4.48E-06	2.45E-06	4.68E-06	2.65E-06
203	**203**	0.00005	3.42E-05	5.21E-06	2.79E-06	1.80E-06	2.95E-06	1.96E-06
204	**204**	0.00003	2.63E-05	3.56E-06	1.94E-06	1.37E-06	2.07E-06	1.51E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
205	**205**	0.00003	2.09E-05	2.62E-06	1.44E-06	1.08E-06	1.55E-06	1.19E-06
206	**206**	0.00002	1.71E-05	2.02E-06	1.12E-06	8.71E-07	1.21E-06	9.72E-07
207	**207**	0.00002	1.44E-05	1.61E-06	9.00E-07	7.22E-07	9.83E-07	8.10E-07
208	**208**	0.00001	9.18E-06	3.93E-07	2.54E-07	3.14E-07	3.55E-07	4.18E-07
209	**209**	0.00001	1.14E-05	4.58E-07	3.00E-07	3.77E-07	4.27E-07	5.09E-07
210	**210**	0.00002	1.41E-05	5.25E-07	3.48E-07	4.46E-07	5.09E-07	6.12E-07
211	**211**	0.00002	1.91E-05	6.41E-07	4.32E-07	5.69E-07	6.58E-07	8.01E-07
212	**212**	0.00003	2.62E-05	7.76E-07	5.35E-07	7.25E-07	8.55E-07	1.05E-06
213	**213**	0.00004	3.89E-05	9.76E-07	6.93E-07	9.74E-07	1.18E-06	1.48E-06
214	**214**	0.00007	6.42E-05	1.27E-06	9.36E-07	1.40E-06	1.77E-06	2.25E-06
215	**215**	0.00012	1.14E-04	1.68E-06	1.27E-06	2.07E-06	2.75E-06	3.58E-06
216	**216**	0.00019	1.79E-04	2.46E-06	1.87E-06	3.55E-06	4.05E-06	5.79E-06
217	**217**	0.00020	1.79E-04	3.67E-06	2.51E-06	7.03E-06	4.17E-06	8.73E-06
218	**218**	0.00029	2.33E-04	2.92E-05	9.01E-06	1.47E-05	9.36E-06	1.51E-05
219	**219**	0.00018	1.03E-04	4.19E-05	1.94E-05	1.20E-05	1.96E-05	1.23E-05
220	**220**	0.00010	6.47E-05	2.01E-05	9.71E-06	5.72E-06	9.95E-06	5.97E-06
221	**221**	0.00006	4.54E-05	9.47E-06	4.74E-06	3.28E-06	4.93E-06	3.48E-06
222	**222**	0.00005	3.38E-05	5.72E-06	2.95E-06	2.18E-06	3.11E-06	2.34E-06
223	**223**	0.00003	2.63E-05	3.88E-06	2.05E-06	1.58E-06	2.18E-06	1.71E-06
224	**224**	0.00003	2.11E-05	2.82E-06	1.51E-06	1.20E-06	1.62E-06	1.32E-06
225	**225**	0.00002	1.73E-05	2.15E-06	1.17E-06	9.50E-07	1.27E-06	1.05E-06
226	**226**	0.00002	1.46E-05	1.70E-06	9.37E-07	7.76E-07	1.02E-06	8.63E-07
227	**227**	0.00001	8.05E-06	3.60E-07	2.30E-07	2.83E-07	3.16E-07	3.72E-07
228	**228**	0.00001	9.72E-06	4.14E-07	2.66E-07	3.33E-07	3.72E-07	4.42E-07
229	**229**	0.00001	1.20E-05	4.80E-07	3.12E-07	3.98E-07	4.44E-07	5.35E-07
230	**230**	0.00002	1.54E-05	5.73E-07	3.75E-07	4.92E-07	5.49E-07	6.71E-07
231	**231**	0.00002	2.05E-05	6.99E-07	4.61E-07	6.28E-07	6.97E-07	8.71E-07
232	**232**	0.00003	2.76E-05	8.51E-07	5.65E-07	8.05E-07	8.86E-07	1.14E-06
233	**233**	0.00005	4.16E-05	1.14E-06	7.58E-07	1.16E-06	1.24E-06	1.65E-06
234	**234**	0.00006	5.91E-05	1.51E-06	9.98E-07	1.67E-06	1.67E-06	2.35E-06
235	**235**	0.00009	8.02E-05	2.10E-06	1.33E-06	2.65E-06	2.15E-06	3.49E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	**Receptor #**	**Max Chronic Rec#**	**Onsite**	**Building 1 Haul East**	**Building 2 Haul East**	**Building 2 Haul North**	**Building 3 Haul East**	**Building 3 Haul North**
236	**236**	0.00012	1.03E-04	3.13E-06	1.77E-06	4.79E-06	2.56E-06	5.59E-06
237	**237**	0.00018	1.51E-04	5.06E-06	2.35E-06	1.16E-05	3.00E-06	1.21E-05
238	**238**	0.00030	2.57E-04	8.39E-06	3.14E-06	1.94E-05	3.65E-06	1.98E-05
239	**239**	0.00029	2.40E-04	1.22E-05	4.54E-06	1.99E-05	4.94E-06	2.03E-05
240	**240**	0.00020	1.37E-04	1.87E-05	8.01E-06	2.08E-05	8.33E-06	2.11E-05
241	**241**	0.00017	8.34E-05	4.08E-05	1.98E-05	2.23E-05	2.00E-05	2.26E-05
242	**242**	0.00009	5.63E-05	1.93E-05	9.43E-06	9.09E-06	9.64E-06	9.31E-06
243	**243**	0.00006	4.13E-05	9.41E-06	4.66E-06	4.16E-06	4.84E-06	4.34E-06
244	**244**	0.00004	3.17E-05	5.79E-06	2.93E-06	2.54E-06	3.08E-06	2.70E-06
245	**245**	0.00003	2.51E-05	3.96E-06	2.05E-06	1.76E-06	2.17E-06	1.89E-06
246	**246**	0.00003	2.05E-05	2.89E-06	1.52E-06	1.31E-06	1.63E-06	1.42E-06
247	**247**	0.00002	1.70E-05	2.21E-06	1.18E-06	1.02E-06	1.28E-06	1.12E-06
248	**248**	0.00002	1.44E-05	1.75E-06	9.50E-07	8.21E-07	1.03E-06	9.07E-07
249	**249**	0.00001	7.06E-06	3.31E-07	2.09E-07	2.55E-07	2.83E-07	3.31E-07
250	**250**	0.00001	8.33E-06	3.76E-07	2.38E-07	2.96E-07	3.26E-07	3.87E-07
251	**251**	0.00001	9.99E-06	4.32E-07	2.75E-07	3.48E-07	3.81E-07	4.58E-07
252	**252**	0.00001	1.25E-05	5.16E-07	3.29E-07	4.28E-07	4.63E-07	5.67E-07
253	**253**	0.00002	1.58E-05	6.20E-07	3.94E-07	5.31E-07	5.65E-07	7.07E-07
254	**254**	0.00002	2.13E-05	7.88E-07	4.99E-07	7.08E-07	7.29E-07	9.44E-07
255	**255**	0.00003	2.79E-05	9.96E-07	6.23E-07	9.37E-07	9.18E-07	1.24E-06
256	**256**	0.00004	3.84E-05	1.36E-06	8.30E-07	1.36E-06	1.22E-06	1.76E-06
257	**257**	0.00005	4.77E-05	1.80E-06	1.05E-06	1.93E-06	1.48E-06	2.36E-06
258	**258**	0.00007	5.86E-05	2.50E-06	1.36E-06	2.87E-06	1.79E-06	3.30E-06
259	**259**	0.00009	7.77E-05	3.71E-06	1.84E-06	4.55E-06	2.26E-06	4.95E-06
260	**260**	0.00011	9.64E-05	5.61E-06	2.59E-06	6.19E-06	2.95E-06	6.54E-06
261	**261**	0.00012	9.46E-05	8.56E-06	3.92E-06	7.43E-06	4.23E-06	7.74E-06
262	**262**	0.00011	7.65E-05	1.55E-05	7.40E-06	1.02E-05	7.66E-06	1.04E-05
263	**263**	0.00013	5.81E-05	3.62E-05	1.79E-05	1.86E-05	1.81E-05	1.89E-05
264	**264**	0.00008	4.46E-05	1.82E-05	8.98E-06	9.53E-06	9.17E-06	9.72E-06
265	**265**	0.00005	3.54E-05	8.90E-06	4.43E-06	4.46E-06	4.59E-06	4.62E-06
266	**266**	0.00004	2.83E-05	5.54E-06	2.80E-06	2.70E-06	2.93E-06	2.84E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
267	**267**	0.00003	2.31E-05	3.84E-06	1.97E-06	1.85E-06	2.09E-06	1.97E-06
268	**268**	0.00003	1.92E-05	2.84E-06	1.48E-06	1.36E-06	1.58E-06	1.47E-06
269	**269**	0.00002	1.62E-05	2.19E-06	1.16E-06	1.06E-06	1.25E-06	1.15E-06
270	**270**	0.00002	1.39E-05	1.75E-06	9.35E-07	8.47E-07	1.01E-06	9.31E-07
271	**271**	0.00001	6.05E-06	2.96E-07	1.85E-07	2.24E-07	2.46E-07	2.88E-07
272	**272**	0.00001	7.01E-06	3.34E-07	2.09E-07	2.57E-07	2.80E-07	3.31E-07
273	**273**	0.00001	8.32E-06	3.87E-07	2.42E-07	3.03E-07	3.27E-07	3.91E-07
274	**274**	0.00001	1.00E-05	4.55E-07	2.83E-07	3.64E-07	3.85E-07	4.69E-07
275	**275**	0.00001	1.23E-05	5.45E-07	3.37E-07	4.47E-07	4.62E-07	5.75E-07
276	**276**	0.00002	1.55E-05	6.81E-07	4.16E-07	5.74E-07	5.72E-07	7.35E-07
277	**277**	0.00002	1.96E-05	8.61E-07	5.17E-07	7.50E-07	7.09E-07	9.47E-07
278	**278**	0.00003	2.43E-05	1.10E-06	6.43E-07	9.89E-07	8.67E-07	1.22E-06
279	**279**	0.00003	3.05E-05	1.49E-06	8.37E-07	1.38E-06	1.09E-06	1.64E-06
280	**280**	0.00004	3.74E-05	2.06E-06	1.10E-06	1.93E-06	1.37E-06	2.20E-06
281	**281**	0.00005	4.53E-05	2.96E-06	1.51E-06	2.68E-06	1.79E-06	2.96E-06
282	**282**	0.00006	5.28E-05	4.40E-06	2.17E-06	3.66E-06	2.44E-06	3.93E-06
283	**283**	0.00007	5.38E-05	6.87E-06	3.35E-06	4.84E-06	3.60E-06	5.09E-06
284	**284**	0.00007	4.57E-05	1.32E-05	6.50E-06	7.69E-06	6.71E-06	7.90E-06
285	**285**	0.00011	4.02E-05	3.26E-05	1.63E-05	1.72E-05	1.64E-05	1.74E-05
286	**286**	0.00007	3.39E-05	1.70E-05	8.46E-06	8.96E-06	8.62E-06	9.13E-06
287	**287**	0.00005	2.84E-05	7.99E-06	4.00E-06	4.23E-06	4.13E-06	4.38E-06
288	**288**	0.00003	2.42E-05	5.04E-06	2.55E-06	2.61E-06	2.67E-06	2.74E-06
289	**289**	0.00003	2.06E-05	3.59E-06	1.84E-06	1.82E-06	1.94E-06	1.93E-06
290	**290**	0.00002	1.75E-05	2.68E-06	1.39E-06	1.35E-06	1.49E-06	1.45E-06
291	**291**	0.00002	1.50E-05	2.10E-06	1.11E-06	1.05E-06	1.19E-06	1.14E-06
292	**292**	0.00002	1.31E-05	1.69E-06	8.99E-07	8.48E-07	9.74E-07	9.27E-07
293	**293**	0.00001	5.23E-06	2.68E-07	1.66E-07	1.99E-07	2.17E-07	2.52E-07
294	**294**	0.00001	6.01E-06	3.03E-07	1.87E-07	2.28E-07	2.46E-07	2.89E-07
295	**295**	0.00001	6.96E-06	3.47E-07	2.13E-07	2.65E-07	2.82E-07	3.36E-07
296	**296**	0.00001	8.09E-06	4.01E-07	2.44E-07	3.10E-07	3.23E-07	3.92E-07
297	**297**	0.00001	9.76E-06	4.83E-07	2.91E-07	3.80E-07	3.86E-07	4.77E-07

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
298	**298**	0.00001	1.18E-05	5.87E-07	3.50E-07	4.70E-07	4.61E-07	5.85E-07
299	**299**	0.00002	1.43E-05	7.34E-07	4.29E-07	5.96E-07	5.60E-07	7.32E-07
300	**300**	0.00002	1.77E-05	9.58E-07	5.47E-07	7.92E-07	7.02E-07	9.52E-07
301	**301**	0.00002	2.06E-05	1.21E-06	6.72E-07	1.00E-06	8.39E-07	1.18E-06
302	**302**	0.00003	2.52E-05	1.69E-06	9.04E-07	1.38E-06	1.09E-06	1.57E-06
303	**303**	0.00004	2.95E-05	2.37E-06	1.23E-06	1.86E-06	1.42E-06	2.05E-06
304	**304**	0.00004	3.32E-05	3.50E-06	1.77E-06	2.51E-06	1.97E-06	2.71E-06
305	**305**	0.00005	3.36E-05	5.40E-06	2.70E-06	3.43E-06	2.88E-06	3.61E-06
306	**306**	0.00005	3.06E-05	1.07E-05	5.33E-06	5.89E-06	5.49E-06	6.05E-06
307	**307**	0.00009	2.81E-05	2.78E-05	1.39E-05	1.51E-05	1.40E-05	1.52E-05
308	**308**	0.00006	2.54E-05	1.44E-05	7.21E-06	7.54E-06	7.35E-06	7.68E-06
309	**309**	0.00004	2.31E-05	6.79E-06	3.42E-06	3.62E-06	3.54E-06	3.74E-06
310	**310**	0.00003	2.02E-05	4.34E-06	2.20E-06	2.32E-06	2.31E-06	2.44E-06
311	**311**	0.00002	1.77E-05	3.15E-06	1.62E-06	1.66E-06	1.71E-06	1.77E-06
312	**312**	0.00002	1.57E-05	2.44E-06	1.27E-06	1.27E-06	1.36E-06	1.36E-06
313	**313**	0.00002	1.38E-05	1.95E-06	1.02E-06	1.00E-06	1.10E-06	1.09E-06
314	**314**	0.00002	1.22E-05	1.60E-06	8.51E-07	8.19E-07	9.21E-07	8.94E-07
315	**315**	0.00001	4.44E-06	2.38E-07	1.46E-07	1.74E-07	1.88E-07	2.17E-07
316	**316**	0.00001	5.06E-06	2.70E-07	1.64E-07	1.99E-07	2.12E-07	2.49E-07
317	**317**	0.00001	5.77E-06	3.08E-07	1.86E-07	2.29E-07	2.41E-07	2.85E-07
318	**318**	0.00001	6.60E-06	3.53E-07	2.12E-07	2.65E-07	2.74E-07	3.29E-07
319	**319**	0.00001	7.54E-06	4.08E-07	2.43E-07	3.09E-07	3.12E-07	3.82E-07
320	**320**	0.00001	9.24E-06	5.12E-07	3.00E-07	3.92E-07	3.84E-07	4.79E-07
321	**321**	0.00001	1.07E-05	6.19E-07	3.56E-07	4.77E-07	4.51E-07	5.75E-07
322	**322**	0.00001	1.27E-05	7.81E-07	4.40E-07	6.02E-07	5.48E-07	7.13E-07
323	**323**	0.00002	1.52E-05	1.03E-06	5.66E-07	7.88E-07	6.88E-07	9.14E-07
324	**324**	0.00002	1.77E-05	1.36E-06	7.29E-07	1.02E-06	8.61E-07	1.16E-06
325	**325**	0.00003	2.03E-05	1.88E-06	9.80E-07	1.35E-06	1.12E-06	1.49E-06
326	**326**	0.00003	2.27E-05	2.68E-06	1.37E-06	1.78E-06	1.52E-06	1.93E-06
327	**327**	0.00004	2.66E-05	4.19E-06	2.12E-06	2.58E-06	2.28E-06	2.74E-06
328	**328**	0.00004	2.15E-05	6.49E-06	3.26E-06	3.51E-06	3.39E-06	3.64E-06

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			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
329	**329**	0.00005	2.02E-05	1.54E-05	7.73E-06	6.87E-06	7.85E-06	6.99E-06
330	**330**	0.00004	1.93E-05	8.27E-06	4.15E-06	4.23E-06	4.27E-06	4.35E-06
331	**331**	0.00003	1.82E-05	4.87E-06	2.46E-06	2.62E-06	2.56E-06	2.73E-06
332	**332**	0.00002	1.69E-05	3.44E-06	1.75E-06	1.88E-06	1.85E-06	1.98E-06
333	**333**	0.00002	1.54E-05	2.62E-06	1.34E-06	1.44E-06	1.43E-06	1.54E-06
334	**334**	0.00002	1.37E-05	2.12E-06	1.10E-06	1.14E-06	1.18E-06	1.22E-06
335	**335**	0.00002	1.23E-05	1.75E-06	9.17E-07	9.22E-07	9.89E-07	9.98E-07
336	**336**	0.00001	1.11E-05	1.47E-06	7.80E-07	7.66E-07	8.46E-07	8.36E-07
337	**337**	0.00000	3.89E-06	2.18E-07	1.32E-07	1.56E-07	1.68E-07	1.94E-07
338	**338**	0.00000	4.34E-06	2.44E-07	1.47E-07	1.76E-07	1.87E-07	2.18E-07
339	**339**	0.00001	4.82E-06	2.73E-07	1.63E-07	1.98E-07	2.07E-07	2.44E-07
340	**340**	0.00001	5.53E-06	3.16E-07	1.87E-07	2.31E-07	2.38E-07	2.83E-07
341	**341**	0.00001	6.22E-06	3.63E-07	2.13E-07	2.66E-07	2.69E-07	3.24E-07
342	**342**	0.00001	7.40E-06	4.44E-07	2.57E-07	3.28E-07	3.23E-07	3.96E-07
343	**343**	0.00001	8.36E-06	5.26E-07	3.00E-07	3.88E-07	3.72E-07	4.62E-07
344	**344**	0.00001	9.73E-06	6.54E-07	3.66E-07	4.80E-07	4.47E-07	5.63E-07
345	**345**	0.00001	1.13E-05	8.34E-07	4.58E-07	6.03E-07	5.47E-07	6.96E-07
346	**346**	0.00002	1.32E-05	1.11E-06	5.94E-07	7.82E-07	6.93E-07	8.84E-07
347	**347**	0.00002	1.45E-05	1.43E-06	7.54E-07	9.74E-07	8.57E-07	1.08E-06
348	**348**	0.00002	1.59E-05	1.95E-06	1.01E-06	1.25E-06	1.11E-06	1.36E-06
349	**349**	0.00002	1.49E-05	2.39E-06	1.22E-06	1.42E-06	1.32E-06	1.52E-06
350	**350**	0.00002	1.49E-05	3.26E-06	1.66E-06	1.83E-06	1.75E-06	1.93E-06
351	**351**	0.00002	1.48E-05	4.06E-06	2.06E-06	2.16E-06	2.15E-06	2.26E-06
352	**352**	0.00002	1.40E-05	3.67E-06	1.86E-06	1.97E-06	1.95E-06	2.06E-06
353	**353**	0.00002	1.41E-05	3.09E-06	1.57E-06	1.70E-06	1.66E-06	1.79E-06
354	**354**	0.00002	1.34E-05	2.48E-06	1.27E-06	1.39E-06	1.35E-06	1.48E-06
355	**355**	0.00002	1.29E-05	2.06E-06	1.06E-06	1.16E-06	1.14E-06	1.25E-06
356	**356**	0.00002	1.20E-05	1.75E-06	9.10E-07	9.77E-07	9.85E-07	1.06E-06
357	**357**	0.00001	1.11E-05	1.50E-06	7.85E-07	8.29E-07	8.54E-07	9.01E-07
358	**358**	0.00001	1.02E-05	1.30E-06	6.86E-07	7.09E-07	7.48E-07	7.75E-07
359	**359**	0.00000	3.34E-06	1.96E-07	1.17E-07	1.38E-07	1.47E-07	1.69E-07

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			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
360	**360**	0.00000	3.73E-06	2.20E-07	1.31E-07	1.55E-07	1.64E-07	1.90E-07
361	**361**	0.00000	4.13E-06	2.46E-07	1.46E-07	1.75E-07	1.83E-07	2.13E-07
362	**362**	0.00001	4.60E-06	2.79E-07	1.63E-07	1.99E-07	2.04E-07	2.41E-07
363	**363**	0.00001	5.09E-06	3.16E-07	1.84E-07	2.25E-07	2.28E-07	2.72E-07
364	**364**	0.00001	5.84E-06	3.74E-07	2.15E-07	2.67E-07	2.66E-07	3.20E-07
365	**365**	0.00001	6.69E-06	4.48E-07	2.54E-07	3.19E-07	3.11E-07	3.78E-07
366	**366**	0.00001	7.68E-06	5.49E-07	3.07E-07	3.89E-07	3.70E-07	4.54E-07
367	**367**	0.00001	8.94E-06	6.99E-07	3.84E-07	4.88E-07	4.54E-07	5.61E-07
368	**368**	0.00001	9.96E-06	8.73E-07	4.71E-07	5.95E-07	5.46E-07	6.72E-07
369	**369**	0.00001	1.06E-05	1.07E-06	5.67E-07	7.04E-07	6.44E-07	7.83E-07
370	**370**	0.00001	1.09E-05	1.29E-06	6.73E-07	8.11E-07	7.49E-07	8.89E-07
371	**371**	0.00001	1.13E-05	1.60E-06	8.27E-07	9.64E-07	9.04E-07	1.04E-06
372	**372**	0.00002	1.14E-05	1.91E-06	9.80E-07	1.10E-06	1.06E-06	1.18E-06
373	**373**	0.00002	1.10E-05	2.05E-06	1.05E-06	1.16E-06	1.12E-06	1.23E-06
374	**374**	0.00001	1.05E-05	1.99E-06	1.02E-06	1.12E-06	1.09E-06	1.19E-06
375	**375**	0.00001	1.07E-05	1.94E-06	9.97E-07	1.09E-06	1.07E-06	1.17E-06
376	**376**	0.00001	1.05E-05	1.73E-06	8.94E-07	9.87E-07	9.63E-07	1.06E-06
377	**377**	0.00001	1.03E-05	1.55E-06	8.05E-07	8.93E-07	8.72E-07	9.63E-07
378	**378**	0.00001	1.03E-05	1.42E-06	7.39E-07	8.09E-07	8.06E-07	8.79E-07
379	**379**	0.00001	9.73E-06	1.26E-06	6.63E-07	7.14E-07	7.26E-07	7.79E-07
380	**380**	0.00001	9.13E-06	1.11E-06	5.89E-07	6.31E-07	6.48E-07	6.93E-07
381	**381**	0.00001	1.29E-05	5.75E-07	4.03E-07	3.95E-07	5.46E-07	5.44E-07
382	**382**	0.00002	1.48E-05	6.59E-07	4.65E-07	4.43E-07	6.32E-07	6.17E-07
383	**383**	0.00002	1.69E-05	7.62E-07	5.42E-07	4.99E-07	7.38E-07	7.02E-07
384	**384**	0.00002	1.94E-05	8.89E-07	6.37E-07	5.63E-07	8.65E-07	8.00E-07
385	**385**	0.00002	2.21E-05	1.05E-06	7.53E-07	6.35E-07	1.01E-06	9.08E-07
386	**386**	0.00003	2.47E-05	1.25E-06	8.99E-07	7.11E-07	1.19E-06	1.02E-06
387	**387**	0.00003	2.71E-05	1.52E-06	1.08E-06	7.85E-07	1.39E-06	1.11E-06
388	**388**	0.00003	2.90E-05	1.87E-06	1.29E-06	8.47E-07	1.60E-06	1.18E-06
389	**389**	0.00004	3.01E-05	2.33E-06	1.54E-06	8.87E-07	1.84E-06	1.21E-06
390	**390**	0.00004	3.03E-05	3.00E-06	1.89E-06	8.98E-07	2.16E-06	1.19E-06

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			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
391	**391**	0.00004	2.95E-05	4.11E-06	2.43E-06	8.82E-07	2.67E-06	1.14E-06
392	**392**	0.00004	2.78E-05	6.53E-06	3.60E-06	8.45E-07	3.81E-06	1.06E-06
393	**393**	0.00006	2.53E-05	1.77E-05	9.12E-06	7.95E-07	9.30E-06	9.80E-07
394	**394**	0.00005	2.26E-05	1.18E-05	6.16E-06	7.39E-07	6.31E-06	8.97E-07
395	**395**	0.00003	1.98E-05	5.65E-06	3.03E-06	6.79E-07	3.16E-06	8.15E-07
396	**396**	0.00003	1.72E-05	3.67E-06	2.01E-06	6.20E-07	2.12E-06	7.37E-07
397	**397**	0.00002	1.50E-05	2.66E-06	1.47E-06	5.64E-07	1.57E-06	6.65E-07
398	**398**	0.00002	1.31E-05	2.04E-06	1.14E-06	5.11E-07	1.22E-06	6.00E-07
399	**399**	0.00002	1.43E-05	5.85E-07	4.18E-07	4.28E-07	5.80E-07	5.97E-07
400	**400**	0.00002	1.66E-05	6.71E-07	4.86E-07	4.88E-07	6.80E-07	6.89E-07
401	**401**	0.00002	1.96E-05	7.74E-07	5.71E-07	5.59E-07	8.06E-07	8.04E-07
402	**402**	0.00003	2.31E-05	9.20E-07	6.86E-07	6.45E-07	9.72E-07	9.42E-07
403	**403**	0.00003	2.71E-05	1.11E-06	8.39E-07	7.47E-07	1.18E-06	1.10E-06
404	**404**	0.00004	3.13E-05	1.37E-06	1.04E-06	8.62E-07	1.44E-06	1.28E-06
405	**405**	0.00004	3.53E-05	1.70E-06	1.28E-06	9.82E-07	1.72E-06	1.45E-06
406	**406**	0.00004	3.84E-05	2.13E-06	1.57E-06	1.09E-06	2.02E-06	1.57E-06
407	**407**	0.00005	4.03E-05	2.73E-06	1.92E-06	1.16E-06	2.34E-06	1.60E-06
408	**408**	0.00005	4.08E-05	3.64E-06	2.39E-06	1.17E-06	2.76E-06	1.56E-06
409	**409**	0.00005	3.97E-05	5.26E-06	3.17E-06	1.13E-06	3.47E-06	1.46E-06
410	**410**	0.00006	3.67E-05	9.25E-06	5.10E-06	1.06E-06	5.35E-06	1.33E-06
411	**411**	0.00010	3.26E-05	3.53E-05	1.81E-05	9.76E-07	1.83E-05	1.20E-06
412	**412**	0.00007	2.81E-05	2.22E-05	1.14E-05	8.92E-07	1.16E-05	1.07E-06
413	**413**	0.00004	2.38E-05	8.16E-06	4.34E-06	8.06E-07	4.48E-06	9.58E-07
414	**414**	0.00003	2.01E-05	4.75E-06	2.58E-06	7.24E-07	2.70E-06	8.53E-07
415	**415**	0.00002	1.71E-05	3.23E-06	1.78E-06	6.47E-07	1.88E-06	7.58E-07
416	**416**	0.00002	1.46E-05	2.38E-06	1.32E-06	5.76E-07	1.41E-06	6.72E-07
417	**417**	0.00002	1.56E-05	6.02E-07	4.33E-07	4.62E-07	6.14E-07	6.50E-07
418	**418**	0.00002	1.87E-05	6.84E-07	5.04E-07	5.34E-07	7.29E-07	7.66E-07
419	**419**	0.00002	2.26E-05	7.89E-07	6.00E-07	6.24E-07	8.82E-07	9.17E-07
420	**420**	0.00003	2.77E-05	9.57E-07	7.42E-07	7.38E-07	1.10E-06	1.11E-06
421	**421**	0.00004	3.40E-05	1.17E-06	9.31E-07	8.84E-07	1.40E-06	1.37E-06

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			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
422	**422**	0.00005	4.14E-05	1.44E-06	1.18E-06	1.07E-06	1.77E-06	1.68E-06
423	**423**	0.00005	4.85E-05	1.82E-06	1.52E-06	1.28E-06	2.22E-06	2.01E-06
424	**424**	0.00006	5.39E-05	2.36E-06	1.95E-06	1.49E-06	2.68E-06	2.25E-06
425	**425**	0.00007	5.71E-05	3.15E-06	2.46E-06	1.61E-06	3.11E-06	2.31E-06
426	**426**	0.00007	5.85E-05	4.31E-06	3.07E-06	1.61E-06	3.59E-06	2.18E-06
427	**427**	0.00007	5.70E-05	6.33E-06	4.01E-06	1.51E-06	4.41E-06	1.94E-06
428	**428**	0.00008	5.18E-05	1.10E-05	6.21E-06	1.37E-06	6.51E-06	1.70E-06
429	**429**	0.00012	4.39E-05	3.64E-05	1.88E-05	1.23E-06	1.90E-05	1.49E-06
430	**430**	0.00009	3.57E-05	2.58E-05	1.33E-05	1.09E-06	1.35E-05	1.30E-06
431	**431**	0.00005	2.88E-05	9.84E-06	5.24E-06	9.66E-07	5.40E-06	1.14E-06
432	**432**	0.00004	2.35E-05	5.64E-06	3.06E-06	8.52E-07	3.19E-06	9.93E-07
433	**433**	0.00003	1.94E-05	3.75E-06	2.06E-06	7.51E-07	2.17E-06	8.71E-07
434	**434**	0.00002	1.63E-05	2.70E-06	1.49E-06	6.58E-07	1.59E-06	7.61E-07
435	**435**	0.00002	1.65E-05	6.02E-07	4.32E-07	4.94E-07	6.30E-07	6.99E-07
436	**436**	0.00002	2.03E-05	6.98E-07	5.18E-07	5.79E-07	7.71E-07	8.41E-07
437	**437**	0.00003	2.58E-05	8.23E-07	6.34E-07	6.89E-07	9.67E-07	1.03E-06
438	**438**	0.00004	3.33E-05	9.85E-07	7.92E-07	8.38E-07	1.25E-06	1.31E-06
439	**439**	0.00005	4.37E-05	1.20E-06	1.02E-06	1.04E-06	1.66E-06	1.71E-06
440	**440**	0.00006	5.77E-05	1.50E-06	1.36E-06	1.34E-06	2.30E-06	2.31E-06
441	**441**	0.00008	7.28E-05	1.94E-06	1.89E-06	1.76E-06	3.17E-06	3.09E-06
442	**442**	0.00009	8.29E-05	2.58E-06	2.63E-06	2.26E-06	4.04E-06	3.73E-06
443	**443**	0.00010	8.76E-05	3.57E-06	3.46E-06	2.57E-06	4.62E-06	3.81E-06
444	**444**	0.00011	9.24E-05	5.12E-06	4.27E-06	2.46E-06	5.07E-06	3.34E-06
445	**445**	0.00011	9.35E-05	7.57E-06	5.30E-06	2.13E-06	5.84E-06	2.73E-06
446	**446**	0.00011	8.25E-05	1.25E-05	7.47E-06	1.83E-06	7.85E-06	2.24E-06
447	**447**	0.00014	6.35E-05	3.68E-05	1.93E-05	1.58E-06	1.96E-05	1.88E-06
448	**448**	0.00010	4.67E-05	2.76E-05	1.44E-05	1.36E-06	1.46E-05	1.60E-06
449	**449**	0.00006	3.53E-05	1.08E-05	5.81E-06	1.18E-06	5.99E-06	1.37E-06
450	**450**	0.00004	2.75E-05	6.23E-06	3.39E-06	1.02E-06	3.53E-06	1.17E-06
451	**451**	0.00003	2.20E-05	4.09E-06	2.25E-06	8.71E-07	2.37E-06	1.00E-06
452	**452**	0.00002	1.80E-05	2.92E-06	1.62E-06	7.51E-07	1.72E-06	8.61E-07

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
453	**453**	0.00002	1.72E-05	5.97E-07	4.21E-07	5.04E-07	6.28E-07	7.17E-07
454	**454**	0.00002	2.17E-05	6.95E-07	5.10E-07	6.09E-07	7.83E-07	8.90E-07
455	**455**	0.00003	2.84E-05	8.33E-07	6.42E-07	7.49E-07	1.02E-06	1.14E-06
456	**456**	0.00004	3.90E-05	1.01E-06	8.25E-07	9.33E-07	1.38E-06	1.50E-06
457	**457**	0.00006	5.65E-05	1.23E-06	1.09E-06	1.21E-06	1.97E-06	2.11E-06
458	**458**	0.00009	8.67E-05	1.52E-06	1.53E-06	1.67E-06	3.11E-06	3.29E-06
459	**459**	0.00014	1.32E-04	2.02E-06	2.45E-06	2.55E-06	5.66E-06	5.83E-06
460	**460**	0.00017	1.55E-04	2.78E-06	4.39E-06	4.28E-06	8.62E-06	8.66E-06
461	**461**	0.00017	1.49E-04	4.13E-06	6.44E-06	5.55E-06	9.38E-06	8.72E-06
462	**462**	0.00020	1.77E-04	6.70E-06	7.65E-06	4.56E-06	9.10E-06	6.22E-06
463	**463**	0.00024	2.12E-04	1.06E-05	8.75E-06	3.25E-06	9.48E-06	4.08E-06
464	**464**	0.00021	1.76E-04	1.58E-05	1.07E-05	2.53E-06	1.12E-05	3.04E-06
465	**465**	0.00018	1.02E-04	3.87E-05	2.13E-05	2.08E-06	2.16E-05	2.44E-06
466	**466**	0.00012	6.28E-05	2.93E-05	1.56E-05	1.75E-06	1.58E-05	2.02E-06
467	**467**	0.00007	4.32E-05	1.14E-05	6.21E-06	1.47E-06	6.41E-06	1.68E-06
468	**468**	0.00005	3.20E-05	6.52E-06	3.57E-06	1.23E-06	3.73E-06	1.39E-06
469	**469**	0.00003	2.48E-05	4.28E-06	2.36E-06	1.02E-06	2.49E-06	1.16E-06
470	**470**	0.00003	1.99E-05	3.05E-06	1.69E-06	8.60E-07	1.80E-06	9.77E-07
471	**471**	0.00002	1.63E-05	5.73E-07	3.98E-07	4.89E-07	5.92E-07	6.89E-07
472	**472**	0.00002	2.19E-05	6.88E-07	4.92E-07	6.07E-07	7.61E-07	8.85E-07
473	**473**	0.00003	3.02E-05	8.26E-07	6.19E-07	7.70E-07	1.01E-06	1.18E-06
474	**474**	0.00005	4.31E-05	9.96E-07	7.95E-07	9.91E-07	1.40E-06	1.62E-06
475	**475**	0.00007	6.82E-05	1.22E-06	1.07E-06	1.33E-06	2.14E-06	2.42E-06
476	**476**	0.00015	8.17E-05	3.18E-05	1.74E-05	2.33E-06	1.77E-05	2.62E-06
477	**477**	0.00008	5.12E-05	1.16E-05	6.34E-06	1.87E-06	6.56E-06	2.09E-06
478	**478**	0.00005	3.64E-05	6.50E-06	3.58E-06	1.51E-06	3.75E-06	1.68E-06
479	**479**	0.00004	2.75E-05	4.28E-06	2.37E-06	1.21E-06	2.50E-06	1.36E-06
480	**480**	0.00003	2.17E-05	3.06E-06	1.70E-06	9.88E-07	1.82E-06	1.11E-06
481	**481**	0.00002	1.52E-05	5.49E-07	3.74E-07	4.68E-07	5.53E-07	6.52E-07
482	**482**	0.00002	2.04E-05	6.63E-07	4.65E-07	5.89E-07	7.16E-07	8.48E-07
483	**483**	0.00003	2.78E-05	7.85E-07	5.68E-07	7.33E-07	9.24E-07	1.10E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
484	**484**	0.00004	4.12E-05	9.54E-07	7.25E-07	9.52E-07	1.28E-06	1.52E-06
485	**485**	0.00008	7.25E-05	1.23E-06	1.00E-06	1.35E-06	2.05E-06	2.41E-06
486	**486**	0.00015	8.74E-05	3.08E-05	1.55E-05	3.29E-06	1.59E-05	3.59E-06
487	**487**	0.00008	5.59E-05	1.07E-05	5.66E-06	2.49E-06	5.89E-06	2.72E-06
488	**488**	0.00005	3.92E-05	6.03E-06	3.27E-06	1.86E-06	3.45E-06	2.05E-06
489	**489**	0.00004	2.94E-05	4.04E-06	2.22E-06	1.44E-06	2.36E-06	1.59E-06
490	**490**	0.00003	2.30E-05	2.95E-06	1.63E-06	1.13E-06	1.75E-06	1.26E-06
491	**491**	0.00002	1.36E-05	5.11E-07	3.40E-07	4.31E-07	4.96E-07	5.92E-07
492	**492**	0.00002	1.79E-05	6.13E-07	4.15E-07	5.38E-07	6.29E-07	7.58E-07
493	**493**	0.00003	2.40E-05	7.26E-07	5.04E-07	6.67E-07	8.00E-07	9.71E-07
494	**494**	0.00004	3.48E-05	8.96E-07	6.44E-07	8.76E-07	1.09E-06	1.34E-06
495	**495**	0.00006	5.71E-05	1.15E-06	8.64E-07	1.23E-06	1.63E-06	2.01E-06
496	**496**	0.00033	3.16E-04	3.06E-06	2.70E-06	5.26E-06	6.46E-06	9.12E-06
497	**497**	0.00026	2.23E-04	4.78E-06	3.48E-06	1.40E-05	5.23E-06	1.59E-05
498	**498**	0.00022	1.43E-04	4.44E-05	1.53E-05	7.64E-06	1.57E-05	8.01E-06
499	**499**	0.00016	8.33E-05	3.95E-05	1.89E-05	5.55E-06	1.92E-05	5.84E-06
500	**500**	0.00008	5.53E-05	1.29E-05	6.41E-06	3.48E-06	6.63E-06	3.71E-06
501	**501**	0.00005	3.96E-05	6.99E-06	3.62E-06	2.35E-06	3.79E-06	2.54E-06
502	**502**	0.00004	2.99E-05	4.50E-06	2.39E-06	1.70E-06	2.53E-06	1.85E-06
503	**503**	0.00003	2.35E-05	3.18E-06	1.71E-06	1.29E-06	1.83E-06	1.41E-06
504	**504**	0.00001	1.17E-05	4.69E-07	3.06E-07	3.87E-07	4.37E-07	5.22E-07
505	**505**	0.00002	1.46E-05	5.44E-07	3.58E-07	4.64E-07	5.26E-07	6.36E-07
506	**506**	0.00002	2.02E-05	6.76E-07	4.52E-07	6.06E-07	6.89E-07	8.50E-07
507	**507**	0.00003	2.73E-05	8.12E-07	5.51E-07	7.65E-07	8.78E-07	1.10E-06
508	**508**	0.00005	4.18E-05	1.06E-06	7.37E-07	1.08E-06	1.25E-06	1.60E-06
509	**509**	0.00007	6.35E-05	1.38E-06	9.68E-07	1.52E-06	1.75E-06	2.32E-06
510	**510**	0.00010	9.61E-05	1.86E-06	1.29E-06	2.34E-06	2.42E-06	3.49E-06
511	**511**	0.00013	1.22E-04	2.71E-06	1.75E-06	4.06E-06	2.96E-06	5.30E-06
512	**512**	0.00018	1.55E-04	4.41E-06	2.39E-06	9.88E-06	3.36E-06	1.09E-05
513	**513**	0.00049	4.38E-04	9.16E-06	3.07E-06	1.76E-05	3.78E-06	2.43E-05
514	**514**	0.00065	5.85E-04	1.60E-05	4.15E-06	2.18E-05	4.67E-06	2.23E-05

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
515	**515**	0.00036	2.98E-04	2.03E-05	6.17E-06	2.15E-05	6.55E-06	2.19E-05
516	**516**	0.00020	1.27E-04	3.20E-05	1.42E-05	2.12E-05	1.45E-05	2.15E-05
517	**517**	0.00015	7.49E-05	3.80E-05	1.84E-05	1.42E-05	1.87E-05	1.45E-05
518	**518**	0.00008	5.12E-05	1.31E-05	6.41E-06	5.07E-06	6.61E-06	5.28E-06
519	**519**	0.00005	3.77E-05	7.30E-06	3.68E-06	2.93E-06	3.84E-06	3.10E-06
520	**520**	0.00004	2.91E-05	4.73E-06	2.45E-06	1.97E-06	2.58E-06	2.12E-06
521	**521**	0.00003	2.31E-05	3.34E-06	1.76E-06	1.44E-06	1.88E-06	1.57E-06
522	**522**	0.00001	9.87E-06	4.22E-07	2.71E-07	3.40E-07	3.77E-07	4.50E-07
523	**523**	0.00001	1.25E-05	5.03E-07	3.24E-07	4.18E-07	4.61E-07	5.59E-07
524	**524**	0.00002	1.61E-05	6.06E-07	3.92E-07	5.23E-07	5.70E-07	7.06E-07
525	**525**	0.00002	2.10E-05	7.38E-07	4.78E-07	6.64E-07	7.13E-07	9.05E-07
526	**526**	0.00003	2.71E-05	8.92E-07	5.76E-07	8.41E-07	8.78E-07	1.15E-06
527	**527**	0.00004	4.01E-05	1.23E-06	7.87E-07	1.25E-06	1.22E-06	1.70E-06
528	**528**	0.00006	5.31E-05	1.65E-06	1.02E-06	1.81E-06	1.56E-06	2.36E-06
529	**529**	0.00008	6.75E-05	2.31E-06	1.35E-06	2.85E-06	1.93E-06	3.42E-06
530	**530**	0.00010	9.05E-05	3.47E-06	1.80E-06	5.03E-06	2.35E-06	5.58E-06
531	**531**	0.00015	1.28E-04	5.33E-06	2.41E-06	8.30E-06	2.88E-06	8.72E-06
532	**532**	0.00018	1.48E-04	8.04E-06	3.38E-06	1.00E-05	3.77E-06	1.04E-05
533	**533**	0.00016	1.22E-04	1.24E-05	5.49E-06	1.13E-05	5.81E-06	1.16E-05
534	**534**	0.00015	8.38E-05	2.83E-05	1.36E-05	1.74E-05	1.39E-05	1.77E-05
535	**535**	0.00013	5.94E-05	3.60E-05	1.77E-05	1.89E-05	1.79E-05	1.91E-05
536	**536**	0.00007	4.40E-05	1.25E-05	6.17E-06	6.15E-06	6.35E-06	6.34E-06
537	**537**	0.00005	3.39E-05	7.10E-06	3.56E-06	3.34E-06	3.71E-06	3.50E-06
538	**538**	0.00004	2.69E-05	4.68E-06	2.39E-06	2.17E-06	2.52E-06	2.31E-06
539	**539**	0.00003	2.19E-05	3.34E-06	1.73E-06	1.55E-06	1.85E-06	1.67E-06
540	**540**	0.00001	8.33E-06	3.80E-07	2.39E-07	2.99E-07	3.26E-07	3.88E-07
541	**541**	0.00001	1.02E-05	4.50E-07	2.84E-07	3.62E-07	3.90E-07	4.73E-07
542	**542**	0.00001	1.27E-05	5.38E-07	3.38E-07	4.45E-07	4.71E-07	5.82E-07
543	**543**	0.00002	1.59E-05	6.54E-07	4.08E-07	5.58E-07	5.74E-07	7.29E-07
544	**544**	0.00002	2.09E-05	8.33E-07	5.14E-07	7.40E-07	7.29E-07	9.61E-07
545	**545**	0.00003	2.63E-05	1.05E-06	6.36E-07	9.72E-07	8.96E-07	1.24E-06

9th and Vineyard Operational HRA
Unmitigated - ID - Risk Summary

			Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic Rec#	Onsite	Building 1 Haul East	Building 2 Haul East	Building 2 Haul North	Building 3 Haul East	Building 3 Haul North
546	**546**	0.00004	3.40E-05	1.41E-06	8.25E-07	1.37E-06	1.14E-06	1.69E-06
547	**547**	0.00005	4.20E-05	1.92E-06	1.06E-06	1.94E-06	1.40E-06	2.28E-06
548	**548**	0.00006	5.28E-05	2.76E-06	1.44E-06	2.86E-06	1.78E-06	3.21E-06
549	**549**	0.00008	6.43E-05	4.00E-06	1.97E-06	3.99E-06	2.29E-06	4.31E-06
550	**550**	0.00009	7.16E-05	6.10E-06	2.90E-06	5.19E-06	3.20E-06	5.49E-06
551	**551**	0.00009	6.76E-05	1.03E-05	4.98E-06	6.84E-06	5.24E-06	7.10E-06
552	**552**	0.00011	5.41E-05	2.60E-05	1.28E-05	1.45E-05	1.30E-05	1.47E-05
553	**553**	0.00011	4.33E-05	3.50E-05	1.74E-05	1.81E-05	1.76E-05	1.83E-05
554	**554**	0.00006	3.50E-05	1.15E-05	5.74E-06	6.09E-06	5.90E-06	6.26E-06
555	**555**	0.00004	2.91E-05	6.63E-06	3.33E-06	3.36E-06	3.47E-06	3.50E-06
556	**556**	0.00003	2.39E-05	4.42E-06	2.25E-06	2.20E-06	2.37E-06	2.33E-06
557	**557**	0.00003	2.00E-05	3.19E-06	1.65E-06	1.58E-06	1.75E-06	1.69E-06
558	**558**	0.00001	7.05E-06	3.43E-07	2.13E-07	2.63E-07	2.83E-07	3.36E-07
559	**559**	0.00001	8.46E-06	4.04E-07	2.50E-07	3.16E-07	3.34E-07	4.03E-07
560	**560**	0.00001	9.94E-06	4.69E-07	2.88E-07	3.73E-07	3.87E-07	4.75E-07
561	**561**	0.00001	1.22E-05	5.71E-07	3.47E-07	4.64E-07	4.67E-07	5.87E-07
562	**562**	0.00002	1.46E-05	6.92E-07	4.13E-07	5.73E-07	5.54E-07	7.17E-07
563	**563**	0.00002	1.79E-05	8.74E-07	5.11E-07	7.40E-07	6.77E-07	9.10E-07
564	**564**	0.00003	2.28E-05	1.18E-06	6.68E-07	1.02E-06	8.66E-07	1.23E-06
565	**565**	0.00003	2.74E-05	1.57E-06	8.57E-07	1.37E-06	1.07E-06	1.59E-06
566	**566**	0.00004	3.38E-05	2.24E-06	1.17E-06	1.92E-06	1.40E-06	2.15E-06
567	**567**	0.00005	3.86E-05	3.19E-06	1.62E-06	2.56E-06	1.84E-06	2.79E-06
568	**568**	0.00005	4.28E-05	4.88E-06	2.42E-06	3.48E-06	2.64E-06	3.71E-06
569	**569**	0.00006	3.90E-05	8.08E-06	4.01E-06	4.92E-06	4.20E-06	5.12E-06
570	**570**	0.00008	3.49E-05	2.27E-05	1.13E-05	1.21E-05	1.15E-05	1.23E-05
571	**571**	0.00010	3.15E-05	3.39E-05	1.69E-05	1.75E-05	1.71E-05	1.77E-05
572	**572**	0.00005	2.77E-05	1.03E-05	5.15E-06	5.46E-06	5.29E-06	5.60E-06
573	**573**	0.00004	2.38E-05	5.80E-06	2.92E-06	3.08E-06	3.05E-06	3.21E-06
574	**574**	0.00003	2.05E-05	3.95E-06	2.01E-06	2.07E-06	2.12E-06	2.18E-06
575	**575**	0.00002	1.79E-05	2.94E-06	1.52E-06	1.51E-06	1.61E-06	1.61E-06

Receptor #
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Receptor #
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Receptor #
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Receptor #
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9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.58049	**8.4549E-06**	4.908E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
2	0.62899	8.4549E-06	5.318E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
3	0.68159	8.4549E-06	5.7628E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.84E-11	1,000,000	7.84E-05
4	0.73771	8.4549E-06	6.2372E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.48E-11	1,000,000	8.48E-05
5	0.7971	8.4549E-06	6.7394E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.17E-11	1,000,000	9.17E-05
6	0.85847	8.4549E-06	7.2583E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.87E-11	1,000,000	9.87E-05
7	0.91904	8.4549E-06	7.7704E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
8	0.97672	8.4549E-06	8.258E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
9	1.02898	8.4549E-06	8.6999E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
10	1.07105	8.4549E-06	9.0556E-06	3.46E-04	3.13E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
11	1.09959	8.4549E-06	9.2969E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
12	1.11226	8.4549E-06	9.404E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
13	1.10761	8.4549E-06	9.3647E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
14	1.08591	8.4549E-06	9.1812E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
15	1.04932	8.4549E-06	8.8719E-06	3.46E-04	3.07E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
16	1.00014	8.4549E-06	8.4561E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
17	0.94481	8.4549E-06	7.9883E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
18	0.88472	8.4549E-06	7.4802E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
19	0.8223	8.4549E-06	6.9524E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.45E-11	1,000,000	9.45E-05
20	0.76257	8.4549E-06	6.4474E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
21	0.70489	8.4549E-06	5.9598E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.10E-11	1,000,000	8.10E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	0.64977	8.4549E-06	5.4937E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.47E-11	1,000,000	7.47E-05
23	0.62479	8.4549E-06	5.2825E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
24	0.6825	8.4549E-06	5.7705E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.85E-11	1,000,000	7.85E-05
25	0.74617	8.4549E-06	6.3088E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
26	0.81576	8.4549E-06	6.8972E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.38E-11	1,000,000	9.38E-05
27	0.89058	8.4549E-06	7.5297E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
28	0.97023	8.4549E-06	8.2032E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
29	1.05041	8.4549E-06	8.8811E-06	3.46E-04	3.07E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
30	1.12976	8.4549E-06	9.552E-06	3.46E-04	3.31E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
31	1.20164	8.4549E-06	1.016E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
32	1.26104	8.4549E-06	1.0662E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
33	1.30147	8.4549E-06	1.1004E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
34	1.32099	8.4549E-06	1.1169E-05	3.46E-04	3.87E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
35	1.31552	8.4549E-06	1.1123E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
36	1.28575	8.4549E-06	1.0871E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
37	1.23045	8.4549E-06	1.0403E-05	3.46E-04	3.60E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
38	1.16235	8.4549E-06	9.8275E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
39	1.08741	8.4549E-06	9.1939E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
40	1.00682	8.4549E-06	8.5125E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
41	0.9252	8.4549E-06	7.8225E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
42	0.84672	8.4549E-06	7.1589E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.74E-11	1,000,000	9.74E-05
43	0.77315	8.4549E-06	6.5369E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
44	0.7095	8.4549E-06	5.9987E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.16E-11	1,000,000	8.16E-05
45	0.67155	8.4549E-06	5.6779E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.72E-11	1,000,000	7.72E-05
46	0.73996	8.4549E-06	6.2563E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
47	0.8171	8.4549E-06	6.9085E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.40E-11	1,000,000	9.40E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	0.90343	8.4549E-06	7.6384E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
49	0.99862	8.4549E-06	8.4432E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
50	1.10182	8.4549E-06	9.3158E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
51	1.21047	8.4549E-06	1.0234E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
52	1.31977	8.4549E-06	1.1158E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
53	1.42336	8.4549E-06	1.2034E-05	3.46E-04	4.17E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
54	1.50992	8.4549E-06	1.2766E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
55	1.57146	8.4549E-06	1.3287E-05	3.46E-04	4.60E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
56	1.60029	8.4549E-06	1.353E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
57	1.59127	8.4549E-06	1.3454E-05	3.46E-04	4.66E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
58	1.54917	8.4549E-06	1.3098E-05	3.46E-04	4.53E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
59	1.46768	8.4549E-06	1.2409E-05	3.46E-04	4.30E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
60	1.36892	8.4549E-06	1.1574E-05	3.46E-04	4.01E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
61	1.26331	8.4549E-06	1.0681E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
62	1.15229	8.4549E-06	9.7425E-06	3.46E-04	3.37E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
63	1.04479	8.4549E-06	8.8336E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
64	0.94506	8.4549E-06	7.9904E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
65	0.85511	8.4549E-06	7.2299E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.83E-11	1,000,000	9.83E-05
66	0.77465	8.4549E-06	6.5496E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.91E-11	1,000,000	8.91E-05
67	0.71997	8.4549E-06	6.0873E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.28E-11	1,000,000	8.28E-05
68	0.80063	8.4549E-06	6.7692E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.21E-11	1,000,000	9.21E-05
69	0.8937	8.4549E-06	7.5561E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
70	1.0003	8.4549E-06	8.4574E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
71	1.12165	8.4549E-06	9.4834E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
72	1.25755	8.4549E-06	1.0632E-05	3.46E-04	3.68E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
73	1.40604	8.4549E-06	1.1888E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
74	1.56027	8.4549E-06	1.3192E-05	3.46E-04	4.57E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
75	1.71163	8.4549E-06	1.4472E-05	3.46E-04	5.01E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
76	1.8457	8.4549E-06	1.5605E-05	3.46E-04	5.40E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
77	1.94494	8.4549E-06	1.6444E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
78	1.99445	8.4549E-06	1.6863E-05	3.46E-04	5.84E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
79	1.9782	8.4549E-06	1.6725E-05	3.46E-04	5.79E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
80	1.9045	8.4549E-06	1.6102E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	1.78447	8.4549E-06	1.5087E-05	3.46E-04	5.22E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
82	1.64115	8.4549E-06	1.3876E-05	3.46E-04	4.80E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
83	1.48279	8.4549E-06	1.2537E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
84	1.32956	8.4549E-06	1.1241E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
85	1.18015	8.4549E-06	9.978E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
86	1.05593	8.4549E-06	8.9278E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
87	0.94259	8.4549E-06	7.9695E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
88	0.84496	8.4549E-06	7.144E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.72E-11	1,000,000	9.72E-05
89	0.76882	8.4549E-06	6.5003E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.84E-11	1,000,000	8.84E-05
90	0.86311	8.4549E-06	7.2975E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.92E-11	1,000,000	9.92E-05
91	0.9744	8.4549E-06	8.2384E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
92	1.10576	8.4549E-06	9.3491E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
93	1.26013	8.4549E-06	1.0654E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
94	1.43899	8.4549E-06	1.2166E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
95	1.64322	8.4549E-06	1.3893E-05	3.46E-04	4.81E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
96	1.8673	8.4549E-06	1.5788E-05	3.46E-04	5.47E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
97	2.09931	8.4549E-06	1.7749E-05	3.46E-04	6.14E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
98	2.31378	8.4549E-06	1.9563E-05	3.46E-04	6.77E-09	0.25	1.57E-01	2.66E-10	1,000,000	2.66E-04
99	2.47701	8.4549E-06	2.0943E-05	3.46E-04	7.25E-09	0.25	1.57E-01	2.85E-10	1,000,000	2.85E-04
100	2.55834	8.4549E-06	2.163E-05	3.46E-04	7.49E-09	0.25	1.57E-01	2.94E-10	1,000,000	2.94E-04
101	2.5338	8.4549E-06	2.1423E-05	3.46E-04	7.42E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
102	2.41012	8.4549E-06	2.0377E-05	3.46E-04	7.05E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
103	2.21845	8.4549E-06	1.8757E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
104	1.98882	8.4549E-06	1.6815E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
105	1.75911	8.4549E-06	1.4873E-05	3.46E-04	5.15E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
106	1.54156	8.4549E-06	1.3034E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
107	1.34671	8.4549E-06	1.1386E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
108	1.17994	8.4549E-06	9.9762E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
109	1.03797	8.4549E-06	8.7759E-06	3.46E-04	3.04E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
110	0.92019	8.4549E-06	7.7801E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
111	0.81624	8.4549E-06	6.9012E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.39E-11	1,000,000	9.39E-05
112	0.92543	8.4549E-06	7.8244E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
113	1.057	8.4549E-06	8.9368E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	1.21683	8.4549E-06	1.0288E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
115	1.41138	8.4549E-06	1.1933E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
116	1.64679	8.4549E-06	1.3923E-05	3.46E-04	4.82E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
117	1.93012	8.4549E-06	1.6319E-05	3.46E-04	5.65E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
118	2.26226	8.4549E-06	1.9127E-05	3.46E-04	6.62E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
119	2.62855	8.4549E-06	2.2224E-05	3.46E-04	7.69E-09	0.25	1.57E-01	3.02E-10	1,000,000	3.02E-04
120	2.9932	8.4549E-06	2.5307E-05	3.46E-04	8.76E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
121	3.29181	8.4549E-06	2.7832E-05	3.46E-04	9.63E-09	0.25	1.57E-01	3.78E-10	1,000,000	3.78E-04
122	3.43867	8.4549E-06	2.9074E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
123	3.39324	8.4549E-06	2.8689E-05	3.46E-04	9.93E-09	0.25	1.57E-01	3.90E-10	1,000,000	3.90E-04
124	3.16782	8.4549E-06	2.6784E-05	3.46E-04	9.27E-09	0.25	1.57E-01	3.64E-10	1,000,000	3.64E-04
125	2.83178	8.4549E-06	2.3942E-05	3.46E-04	8.29E-09	0.25	1.57E-01	3.26E-10	1,000,000	3.26E-04
126	2.4555	8.4549E-06	2.0761E-05	3.46E-04	7.19E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
127	2.10418	8.4549E-06	1.7791E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
128	1.79527	8.4549E-06	1.5179E-05	3.46E-04	5.25E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
129	1.53193	8.4549E-06	1.2952E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
130	1.31862	8.4549E-06	1.1149E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
131	1.14209	8.4549E-06	9.6562E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
132	0.99958	8.4549E-06	8.4513E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
133	0.86008	8.4549E-06	7.2719E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.89E-11	1,000,000	9.89E-05
134	0.98402	8.4549E-06	8.3198E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
135	1.13695	8.4549E-06	9.6128E-06	3.46E-04	3.33E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
136	1.32858	8.4549E-06	1.1233E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
137	1.57025	8.4549E-06	1.3276E-05	3.46E-04	4.60E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
138	1.87761	8.4549E-06	1.5875E-05	3.46E-04	5.50E-09	0.25	1.57E-01	2.16E-10	1,000,000	2.16E-04
139	2.26926	8.4549E-06	1.9186E-05	3.46E-04	6.64E-09	0.25	1.57E-01	2.61E-10	1,000,000	2.61E-04
140	2.76486	8.4549E-06	2.3377E-05	3.46E-04	8.09E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
141	3.35981	8.4549E-06	2.8407E-05	3.46E-04	9.83E-09	0.25	1.57E-01	3.86E-10	1,000,000	3.86E-04
142	4.02109	8.4549E-06	3.3998E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.62E-10	1,000,000	4.62E-04
143	4.61238	8.4549E-06	3.8997E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.30E-10	1,000,000	5.30E-04
144	4.92991	8.4549E-06	4.1682E-05	3.46E-04	1.44E-08	0.25	1.57E-01	5.67E-10	1,000,000	5.67E-04
145	4.8338	8.4549E-06	4.0869E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.56E-10	1,000,000	5.56E-04
146	4.36656	8.4549E-06	3.6919E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.02E-10	1,000,000	5.02E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	3.72906	8.4549E-06	3.1529E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
148	3.08472	8.4549E-06	2.6081E-05	3.46E-04	9.03E-09	0.25	1.57E-01	3.55E-10	1,000,000	3.55E-04
149	2.5387	8.4549E-06	2.1464E-05	3.46E-04	7.43E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
150	2.08931	8.4549E-06	1.7665E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
151	1.73767	8.4549E-06	1.4692E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
152	1.4671	8.4549E-06	1.2404E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
153	1.25222	8.4549E-06	1.0587E-05	3.46E-04	3.66E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
154	1.08179	8.4549E-06	9.1464E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
155	0.79631	8.4549E-06	6.7327E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.16E-11	1,000,000	9.16E-05
156	0.95529	8.4549E-06	8.0769E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
157	1.19387	8.4549E-06	1.0094E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
158	1.43292	8.4549E-06	1.2115E-05	3.46E-04	4.19E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
159	1.7254	8.4549E-06	1.4588E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
160	2.11618	8.4549E-06	1.7892E-05	3.46E-04	6.19E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
161	2.64816	8.4549E-06	2.239E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
162	3.38008	8.4549E-06	2.8578E-05	3.46E-04	9.89E-09	0.25	1.57E-01	3.89E-10	1,000,000	3.89E-04
163	4.37532	8.4549E-06	3.6993E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.03E-10	1,000,000	5.03E-04
164	5.64388	8.4549E-06	4.7718E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.49E-10	1,000,000	6.49E-04
165	6.97578	8.4549E-06	5.8979E-05	3.46E-04	2.04E-08	0.25	1.57E-01	8.02E-10	1,000,000	8.02E-04
166	7.80214	8.4549E-06	6.5966E-05	3.46E-04	2.28E-08	0.25	1.57E-01	8.97E-10	1,000,000	8.97E-04
167	7.5603	8.4549E-06	6.3921E-05	3.46E-04	2.21E-08	0.25	1.57E-01	8.69E-10	1,000,000	8.69E-04
168	6.43569	8.4549E-06	5.4413E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.40E-10	1,000,000	7.40E-04
169	5.0932	8.4549E-06	4.3062E-05	3.46E-04	1.49E-08	0.25	1.57E-01	5.86E-10	1,000,000	5.86E-04
170	3.92921	8.4549E-06	3.3221E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.52E-10	1,000,000	4.52E-04
171	3.05258	8.4549E-06	2.5809E-05	3.46E-04	8.93E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
172	2.43068	8.4549E-06	2.0551E-05	3.46E-04	7.11E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
173	1.96779	8.4549E-06	1.6637E-05	3.46E-04	5.76E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
174	1.62622	8.4549E-06	1.3749E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
175	1.36928	8.4549E-06	1.1577E-05	3.46E-04	4.01E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
176	1.16884	8.4549E-06	9.8824E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
177	0.77974	8.4549E-06	6.5926E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.97E-11	1,000,000	8.97E-05
178	0.938	8.4549E-06	7.9307E-06	3.46E-04	2.75E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
179	1.19465	8.4549E-06	1.0101E-05	3.46E-04	3.50E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	1.50174	8.4549E-06	1.2697E-05	3.46E-04	4.40E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
181	1.86317	8.4549E-06	1.5753E-05	3.46E-04	5.45E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
182	2.33749	8.4549E-06	1.9763E-05	3.46E-04	6.84E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
183	3.02585	8.4549E-06	2.5583E-05	3.46E-04	8.86E-09	0.25	1.57E-01	3.48E-10	1,000,000	3.48E-04
184	7.15577	8.4549E-06	6.0501E-05	3.46E-04	2.09E-08	0.25	1.57E-01	8.23E-10	1,000,000	8.23E-04
185	5.00164	8.4549E-06	4.2288E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.75E-10	1,000,000	5.75E-04
186	3.69	8.4549E-06	3.1198E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.24E-10	1,000,000	4.24E-04
187	2.81105	8.4549E-06	2.3767E-05	3.46E-04	8.23E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
188	2.21275	8.4549E-06	1.8709E-05	3.46E-04	6.48E-09	0.25	1.57E-01	2.54E-10	1,000,000	2.54E-04
189	1.79427	8.4549E-06	1.517E-05	3.46E-04	5.25E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
190	1.48748	8.4549E-06	1.2576E-05	3.46E-04	4.35E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
191	1.25513	8.4549E-06	1.0612E-05	3.46E-04	3.67E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
192	0.73572	8.4549E-06	6.2204E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.46E-11	1,000,000	8.46E-05
193	0.88413	8.4549E-06	7.4752E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
194	1.09785	8.4549E-06	9.2822E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
195	1.37324	8.4549E-06	1.1611E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
196	1.80529	8.4549E-06	1.5264E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
197	2.35946	8.4549E-06	1.9949E-05	3.46E-04	6.91E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
198	3.28907	8.4549E-06	2.7809E-05	3.46E-04	9.63E-09	0.25	1.57E-01	3.78E-10	1,000,000	3.78E-04
199	12.25641	8.4549E-06	0.00010363	3.46E-04	3.59E-08	0.25	1.57E-01	1.41E-09	1,000,000	1.41E-03
200	10.21536	8.4549E-06	8.637E-05	3.46E-04	2.99E-08	0.25	1.57E-01	1.17E-09	1,000,000	1.17E-03
201	6.38872	8.4549E-06	5.4016E-05	3.46E-04	1.87E-08	0.25	1.57E-01	7.35E-10	1,000,000	7.35E-04
202	4.37823	8.4549E-06	3.7017E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.03E-10	1,000,000	5.03E-04
203	3.21608	8.4549E-06	2.7192E-05	3.46E-04	9.41E-09	0.25	1.57E-01	3.70E-10	1,000,000	3.70E-04
204	2.46881	8.4549E-06	2.0873E-05	3.46E-04	7.23E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04
205	1.96375	8.4549E-06	1.6603E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
206	1.60494	8.4549E-06	1.357E-05	3.46E-04	4.70E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
207	1.34141	8.4549E-06	1.1341E-05	3.46E-04	3.93E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
208	0.67272	8.4549E-06	5.6878E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.73E-11	1,000,000	7.73E-05
209	0.81137	8.4549E-06	6.86E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.33E-11	1,000,000	9.33E-05
210	0.96291	8.4549E-06	8.1413E-06	3.46E-04	2.82E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
211	1.24359	8.4549E-06	1.0514E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
212	1.59059	8.4549E-06	1.3448E-05	3.46E-04	4.66E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	2.14035	8.4549E-06	1.8096E-05	3.46E-04	6.26E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
214	3.05554	8.4549E-06	2.5834E-05	3.46E-04	8.94E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
215	4.6419	8.4549E-06	3.9247E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.34E-10	1,000,000	5.34E-04
216	8.08213	8.4549E-06	6.8333E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.29E-10	1,000,000	9.29E-04
217	15.8201	8.4549E-06	0.00013376	3.46E-04	4.63E-08	0.25	1.57E-01	1.82E-09	1,000,000	1.82E-03
218	33.68279	8.4549E-06	0.00028478	3.46E-04	9.86E-08	0.25	1.57E-01	3.87E-09	1,000,000	3.87E-03
219	13.83929	8.4549E-06	0.00011701	3.46E-04	4.05E-08	0.25	1.57E-01	1.59E-09	1,000,000	1.59E-03
220	7.77516	8.4549E-06	6.5738E-05	3.46E-04	2.28E-08	0.25	1.57E-01	8.94E-10	1,000,000	8.94E-04
221	5.06031	8.4549E-06	4.2784E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.82E-10	1,000,000	5.82E-04
222	3.59094	8.4549E-06	3.0361E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.13E-10	1,000,000	4.13E-04
223	2.69922	8.4549E-06	2.2822E-05	3.46E-04	7.90E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
224	2.11442	8.4549E-06	1.7877E-05	3.46E-04	6.19E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
225	1.70841	8.4549E-06	1.4444E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
226	1.41571	8.4549E-06	1.197E-05	3.46E-04	4.14E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
227	0.60653	8.4549E-06	5.1281E-06	3.46E-04	1.78E-09	0.25	1.57E-01	6.97E-11	1,000,000	6.97E-05
228	0.71842	8.4549E-06	6.0742E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.26E-11	1,000,000	8.26E-05
229	0.86493	8.4549E-06	7.3129E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.95E-11	1,000,000	9.95E-05
230	1.08059	8.4549E-06	9.1363E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
231	1.39558	8.4549E-06	1.1799E-05	3.46E-04	4.08E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
232	1.82159	8.4549E-06	1.5401E-05	3.46E-04	5.33E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
233	2.7075	8.4549E-06	2.2892E-05	3.46E-04	7.92E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
234	4.05651	8.4549E-06	3.4297E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.66E-10	1,000,000	4.66E-04
235	6.77854	8.4549E-06	5.7312E-05	3.46E-04	1.98E-08	0.25	1.57E-01	7.79E-10	1,000,000	7.79E-04
236	13.90929	8.4549E-06	0.0001176	3.46E-04	4.07E-08	0.25	1.57E-01	1.60E-09	1,000,000	1.60E-03
237	35.46018	8.4549E-06	0.00029981	3.46E-04	1.04E-07	0.25	1.57E-01	4.08E-09	1,000,000	4.08E-03
238	85.7455	8.4549E-06	0.00072497	3.46E-04	2.51E-07	0.25	1.57E-01	9.86E-09	1,000,000	9.86E-03
239	74.7454	8.4549E-06	0.00063196	3.46E-04	2.19E-07	0.25	1.57E-01	8.59E-09	1,000,000	8.59E-03
240	30.11208	8.4549E-06	0.00025459	3.46E-04	8.81E-08	0.25	1.57E-01	3.46E-09	1,000,000	3.46E-03
241	14.09021	8.4549E-06	0.00011913	3.46E-04	4.12E-08	0.25	1.57E-01	1.62E-09	1,000,000	1.62E-03
242	8.12531	8.4549E-06	6.8699E-05	3.46E-04	2.38E-08	0.25	1.57E-01	9.34E-10	1,000,000	9.34E-04
243	5.30923	8.4549E-06	4.4889E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.10E-10	1,000,000	6.10E-04
244	3.76312	8.4549E-06	3.1817E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
245	2.8216	8.4549E-06	2.3856E-05	3.46E-04	8.26E-09	0.25	1.57E-01	3.24E-10	1,000,000	3.24E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	2.20356	8.4549E-06	1.8631E-05	3.46E-04	6.45E-09	0.25	1.57E-01	2.53E-10	1,000,000	2.53E-04
247	1.77517	8.4549E-06	1.5009E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
248	1.46632	8.4549E-06	1.2398E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
249	0.54806	8.4549E-06	4.6338E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.30E-11	1,000,000	6.30E-05
250	0.63999	8.4549E-06	5.411E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.36E-11	1,000,000	7.36E-05
251	0.7592	8.4549E-06	6.4189E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.73E-11	1,000,000	8.73E-05
252	0.94542	8.4549E-06	7.9934E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
253	1.19351	8.4549E-06	1.0091E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
254	1.63145	8.4549E-06	1.3794E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
255	2.23196	8.4549E-06	1.8871E-05	3.46E-04	6.53E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
256	3.42917	8.4549E-06	2.8993E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.94E-10	1,000,000	3.94E-04
257	5.18848	8.4549E-06	4.3868E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.97E-10	1,000,000	5.97E-04
258	8.43363	8.4549E-06	7.1305E-05	3.46E-04	2.47E-08	0.25	1.57E-01	9.70E-10	1,000,000	9.70E-04
259	15.31373	8.4549E-06	0.00012948	3.46E-04	4.48E-08	0.25	1.57E-01	1.76E-09	1,000,000	1.76E-03
260	22.59257	8.4549E-06	0.00019102	3.46E-04	6.61E-08	0.25	1.57E-01	2.60E-09	1,000,000	2.60E-03
261	21.84255	8.4549E-06	0.00018468	3.46E-04	6.39E-08	0.25	1.57E-01	2.51E-09	1,000,000	2.51E-03
262	15.68223	8.4549E-06	0.00013259	3.46E-04	4.59E-08	0.25	1.57E-01	1.80E-09	1,000,000	1.80E-03
263	10.3251	8.4549E-06	8.7297E-05	3.46E-04	3.02E-08	0.25	1.57E-01	1.19E-09	1,000,000	1.19E-03
264	6.93979	8.4549E-06	5.8675E-05	3.46E-04	2.03E-08	0.25	1.57E-01	7.98E-10	1,000,000	7.98E-04
265	4.88392	8.4549E-06	4.1293E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.62E-10	1,000,000	5.62E-04
266	3.60263	8.4549E-06	3.046E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.14E-10	1,000,000	4.14E-04
267	2.76372	8.4549E-06	2.3367E-05	3.46E-04	8.09E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
268	2.18773	8.4549E-06	1.8497E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
269	1.77684	8.4549E-06	1.5023E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
270	1.47464	8.4549E-06	1.2468E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
271	0.48363	8.4549E-06	4.089E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.56E-11	1,000,000	5.56E-05
272	0.55928	8.4549E-06	4.7286E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
273	0.66624	8.4549E-06	5.633E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
274	0.80879	8.4549E-06	6.8382E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.30E-11	1,000,000	9.30E-05
275	1.00986	8.4549E-06	8.5382E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
276	1.3266	8.4549E-06	1.1216E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
277	1.78691	8.4549E-06	1.5108E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
278	2.44948	8.4549E-06	2.071E-05	3.46E-04	7.17E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	3.58692	8.4549E-06	3.0327E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.12E-10	1,000,000	4.12E-04
280	5.29613	8.4549E-06	4.4778E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04
281	7.58694	8.4549E-06	6.4147E-05	3.46E-04	2.22E-08	0.25	1.57E-01	8.72E-10	1,000,000	8.72E-04
282	9.96121	8.4549E-06	8.4221E-05	3.46E-04	2.92E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
283	10.41214	8.4549E-06	8.8033E-05	3.46E-04	3.05E-08	0.25	1.57E-01	1.20E-09	1,000,000	1.20E-03
284	8.36256	8.4549E-06	7.0704E-05	3.46E-04	2.45E-08	0.25	1.57E-01	9.62E-10	1,000,000	9.62E-04
285	6.87027	8.4549E-06	5.8087E-05	3.46E-04	2.01E-08	0.25	1.57E-01	7.90E-10	1,000,000	7.90E-04
286	5.27261	8.4549E-06	4.4579E-05	3.46E-04	1.54E-08	0.25	1.57E-01	6.06E-10	1,000,000	6.06E-04
287	4.06545	8.4549E-06	3.4373E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.67E-10	1,000,000	4.67E-04
288	3.18286	8.4549E-06	2.6911E-05	3.46E-04	9.32E-09	0.25	1.57E-01	3.66E-10	1,000,000	3.66E-04
289	2.53859	8.4549E-06	2.1463E-05	3.46E-04	7.43E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
290	2.06304	8.4549E-06	1.7443E-05	3.46E-04	6.04E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
291	1.70694	8.4549E-06	1.4432E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
292	1.43481	8.4549E-06	1.2131E-05	3.46E-04	4.20E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
293	0.4306	8.4549E-06	3.6407E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.95E-11	1,000,000	4.95E-05
294	0.49834	8.4549E-06	4.2134E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
295	0.58467	8.4549E-06	4.9433E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.72E-11	1,000,000	6.72E-05
296	0.69258	8.4549E-06	5.8557E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.96E-11	1,000,000	7.96E-05
297	0.86037	8.4549E-06	7.2743E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.89E-11	1,000,000	9.89E-05
298	1.08148	8.4549E-06	9.1438E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
299	1.39655	8.4549E-06	1.1808E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
300	1.89427	8.4549E-06	1.6016E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
301	2.44991	8.4549E-06	2.0714E-05	3.46E-04	7.17E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
302	3.41118	8.4549E-06	2.8841E-05	3.46E-04	9.98E-09	0.25	1.57E-01	3.92E-10	1,000,000	3.92E-04
303	4.4741	8.4549E-06	3.7828E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.14E-10	1,000,000	5.14E-04
304	5.38957	8.4549E-06	4.5568E-05	3.46E-04	1.58E-08	0.25	1.57E-01	6.20E-10	1,000,000	6.20E-04
305	5.62501	8.4549E-06	4.7559E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.47E-10	1,000,000	6.47E-04
306	4.98337	8.4549E-06	4.2134E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.73E-10	1,000,000	5.73E-04
307	4.44079	8.4549E-06	3.7546E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.11E-10	1,000,000	5.11E-04
308	3.87916	8.4549E-06	3.2798E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.46E-10	1,000,000	4.46E-04
309	3.24753	8.4549E-06	2.7457E-05	3.46E-04	9.50E-09	0.25	1.57E-01	3.73E-10	1,000,000	3.73E-04
310	2.67882	8.4549E-06	2.2649E-05	3.46E-04	7.84E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
311	2.22612	8.4549E-06	1.8822E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	1.86725	8.4549E-06	1.5787E-05	3.46E-04	5.47E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
313	1.58131	8.4549E-06	1.337E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
314	1.35297	8.4549E-06	1.1439E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
315	0.37716	8.4549E-06	3.1888E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
316	0.43545	8.4549E-06	3.6817E-06	3.46E-04	1.27E-09	0.25	1.57E-01	5.01E-11	1,000,000	5.01E-05
317	0.50576	8.4549E-06	4.2761E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
318	0.59205	8.4549E-06	5.0057E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.81E-11	1,000,000	6.81E-05
319	0.69696	8.4549E-06	5.8927E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.01E-11	1,000,000	8.01E-05
320	0.88945	8.4549E-06	7.5202E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
321	1.08968	8.4549E-06	9.2131E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
322	1.3797	8.4549E-06	1.1665E-05	3.46E-04	4.04E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
323	1.80171	8.4549E-06	1.5233E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
324	2.29181	8.4549E-06	1.9377E-05	3.46E-04	6.71E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
325	2.85381	8.4549E-06	2.4129E-05	3.46E-04	8.35E-09	0.25	1.57E-01	3.28E-10	1,000,000	3.28E-04
326	3.36334	8.4549E-06	2.8437E-05	3.46E-04	9.84E-09	0.25	1.57E-01	3.87E-10	1,000,000	3.87E-04
327	4.0903	8.4549E-06	3.4583E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.70E-10	1,000,000	4.70E-04
328	3.22374	8.4549E-06	2.7256E-05	3.46E-04	9.44E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
329	2.97242	8.4549E-06	2.5131E-05	3.46E-04	8.70E-09	0.25	1.57E-01	3.42E-10	1,000,000	3.42E-04
330	2.75492	8.4549E-06	2.3293E-05	3.46E-04	8.06E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04
331	2.54098	8.4549E-06	2.1484E-05	3.46E-04	7.44E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
332	2.2558	8.4549E-06	1.9073E-05	3.46E-04	6.60E-09	0.25	1.57E-01	2.59E-10	1,000,000	2.59E-04
333	1.98526	8.4549E-06	1.6785E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
334	1.64771	8.4549E-06	1.3931E-05	3.46E-04	4.82E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
335	1.42842	8.4549E-06	1.2077E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
336	1.24551	8.4549E-06	1.0531E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
337	0.33981	8.4549E-06	2.8731E-06	3.46E-04	9.95E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
338	0.38576	8.4549E-06	3.2616E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
339	0.43649	8.4549E-06	3.6905E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.02E-11	1,000,000	5.02E-05
340	0.51164	8.4549E-06	4.3259E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.88E-11	1,000,000	5.88E-05
341	0.5917	8.4549E-06	5.0028E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.80E-11	1,000,000	6.80E-05
342	0.72963	8.4549E-06	6.1689E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.39E-11	1,000,000	8.39E-05
343	0.86166	8.4549E-06	7.2852E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.91E-11	1,000,000	9.91E-05
344	1.05937	8.4549E-06	8.9568E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	1.3072	8.4549E-06	1.1052E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
346	1.63789	8.4549E-06	1.3848E-05	3.46E-04	4.79E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
347	1.91507	8.4549E-06	1.6192E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
348	2.1905	8.4549E-06	1.852E-05	3.46E-04	6.41E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
349	2.07237	8.4549E-06	1.7522E-05	3.46E-04	6.07E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
350	2.08117	8.4549E-06	1.7596E-05	3.46E-04	6.09E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
351	2.04779	8.4549E-06	1.7314E-05	3.46E-04	5.99E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
352	1.90008	8.4549E-06	1.6065E-05	3.46E-04	5.56E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
353	1.89174	8.4549E-06	1.5994E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
354	1.76338	8.4549E-06	1.4909E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
355	1.65192	8.4549E-06	1.3967E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
356	1.48272	8.4549E-06	1.2536E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
357	1.31483	8.4549E-06	1.1117E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
358	1.17996	8.4549E-06	9.9764E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
359	0.29945	8.4549E-06	2.5318E-06	3.46E-04	8.76E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
360	0.33886	8.4549E-06	2.865E-06	3.46E-04	9.92E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
361	0.38229	8.4549E-06	3.2322E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
362	0.43445	8.4549E-06	3.6732E-06	3.46E-04	1.27E-09	0.25	1.57E-01	5.00E-11	1,000,000	5.00E-05
363	0.49293	8.4549E-06	4.1677E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.67E-11	1,000,000	5.67E-05
364	0.58286	8.4549E-06	4.928E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.70E-11	1,000,000	6.70E-05
365	0.69169	8.4549E-06	5.8482E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.95E-11	1,000,000	7.95E-05
366	0.83098	8.4549E-06	7.0258E-06	3.46E-04	2.43E-09	0.25	1.57E-01	9.55E-11	1,000,000	9.55E-05
367	1.01788	8.4549E-06	8.6061E-06	3.46E-04	2.98E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
368	1.19211	8.4549E-06	1.0079E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
369	1.32871	8.4549E-06	1.1234E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
370	1.40162	8.4549E-06	1.1851E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
371	1.48135	8.4549E-06	1.2525E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
372	1.49348	8.4549E-06	1.2627E-05	3.46E-04	4.37E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
373	1.42909	8.4549E-06	1.2083E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
374	1.3561	8.4549E-06	1.1466E-05	3.46E-04	3.97E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
375	1.37858	8.4549E-06	1.1656E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
376	1.33333	8.4549E-06	1.1273E-05	3.46E-04	3.90E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
377	1.29938	8.4549E-06	1.0986E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	1.26515	8.4549E-06	1.0697E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
379	1.15549	8.4549E-06	9.7695E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
380	1.07334	8.4549E-06	9.075E-06	3.46E-04	3.14E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
381	0.81115	8.4549E-06	6.8582E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.33E-11	1,000,000	9.33E-05
382	0.90139	8.4549E-06	7.6211E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
383	1.00313	8.4549E-06	8.4813E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
384	1.11625	8.4549E-06	9.4378E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
385	1.23958	8.4549E-06	1.048E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
386	1.36847	8.4549E-06	1.157E-05	3.46E-04	4.01E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
387	1.49573	8.4549E-06	1.2646E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
388	1.61334	8.4549E-06	1.3641E-05	3.46E-04	4.72E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
389	1.70775	8.4549E-06	1.4439E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
390	1.76643	8.4549E-06	1.4935E-05	3.46E-04	5.17E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
391	1.77913	8.4549E-06	1.5042E-05	3.46E-04	5.21E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
392	1.74397	8.4549E-06	1.4745E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
393	1.66575	8.4549E-06	1.4084E-05	3.46E-04	4.88E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
394	1.55868	8.4549E-06	1.3178E-05	3.46E-04	4.56E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
395	1.43063	8.4549E-06	1.2096E-05	3.46E-04	4.19E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
396	1.2989	8.4549E-06	1.0982E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
397	1.17141	8.4549E-06	9.9041E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
398	1.05215	8.4549E-06	8.8958E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
399	0.88078	8.4549E-06	7.4469E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
400	0.99069	8.4549E-06	8.3762E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
401	1.11835	8.4549E-06	9.4555E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
402	1.26476	8.4549E-06	1.0693E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
403	1.42968	8.4549E-06	1.2088E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
404	1.6091	8.4549E-06	1.3605E-05	3.46E-04	4.71E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
405	1.79617	8.4549E-06	1.5186E-05	3.46E-04	5.26E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
406	1.97636	8.4549E-06	1.671E-05	3.46E-04	5.78E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
407	2.1272	8.4549E-06	1.7985E-05	3.46E-04	6.23E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
408	2.22626	8.4549E-06	1.8823E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
409	2.24877	8.4549E-06	1.9013E-05	3.46E-04	6.58E-09	0.25	1.57E-01	2.59E-10	1,000,000	2.59E-04
410	2.1881	8.4549E-06	1.85E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	2.0639	8.4549E-06	1.745E-05	3.46E-04	6.04E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
412	1.89742	8.4549E-06	1.6042E-05	3.46E-04	5.55E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
413	1.70699	8.4549E-06	1.4432E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
414	1.51859	8.4549E-06	1.2839E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
415	1.34226	8.4549E-06	1.1349E-05	3.46E-04	3.93E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
416	1.18136	8.4549E-06	9.9883E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
417	0.95247	8.4549E-06	8.053E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
418	1.08505	8.4549E-06	9.174E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
419	1.24372	8.4549E-06	1.0516E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
420	1.4326	8.4549E-06	1.2112E-05	3.46E-04	4.19E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
421	1.6553	8.4549E-06	1.3995E-05	3.46E-04	4.84E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
422	1.91281	8.4549E-06	1.6173E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
423	2.19679	8.4549E-06	1.8574E-05	3.46E-04	6.43E-09	0.25	1.57E-01	2.53E-10	1,000,000	2.53E-04
424	2.48541	8.4549E-06	2.1014E-05	3.46E-04	7.27E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
425	2.73764	8.4549E-06	2.3146E-05	3.46E-04	8.01E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
426	2.91004	8.4549E-06	2.4604E-05	3.46E-04	8.52E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
427	2.94713	8.4549E-06	2.4918E-05	3.46E-04	8.63E-09	0.25	1.57E-01	3.39E-10	1,000,000	3.39E-04
428	2.84654	8.4549E-06	2.4067E-05	3.46E-04	8.33E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
429	2.63174	8.4549E-06	2.2251E-05	3.46E-04	7.70E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
430	2.35205	8.4549E-06	1.9886E-05	3.46E-04	6.88E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
431	2.05959	8.4549E-06	1.7414E-05	3.46E-04	6.03E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
432	1.78521	8.4549E-06	1.5094E-05	3.46E-04	5.22E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
433	1.54759	8.4549E-06	1.3085E-05	3.46E-04	4.53E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
434	1.33694	8.4549E-06	1.1304E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
435	1.02275	8.4549E-06	8.6472E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
436	1.18067	8.4549E-06	9.9824E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
437	1.37587	8.4549E-06	1.1633E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
438	1.61754	8.4549E-06	1.3676E-05	3.46E-04	4.73E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
439	1.91817	8.4549E-06	1.6218E-05	3.46E-04	5.61E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
440	2.28703	8.4549E-06	1.9337E-05	3.46E-04	6.69E-09	0.25	1.57E-01	2.63E-10	1,000,000	2.63E-04
441	2.72505	8.4549E-06	2.304E-05	3.46E-04	7.98E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
442	3.20987	8.4549E-06	2.7139E-05	3.46E-04	9.39E-09	0.25	1.57E-01	3.69E-10	1,000,000	3.69E-04
443	3.67521	8.4549E-06	3.1073E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.23E-10	1,000,000	4.23E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	4.00481	8.4549E-06	3.386E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.60E-10	1,000,000	4.60E-04
445	4.08382	8.4549E-06	3.4528E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.70E-10	1,000,000	4.70E-04
446	3.88351	8.4549E-06	3.2835E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.47E-10	1,000,000	4.47E-04
447	3.47828	8.4549E-06	2.9408E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.00E-10	1,000,000	4.00E-04
448	2.98501	8.4549E-06	2.5238E-05	3.46E-04	8.74E-09	0.25	1.57E-01	3.43E-10	1,000,000	3.43E-04
449	2.51932	8.4549E-06	2.1301E-05	3.46E-04	7.37E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
450	2.11638	8.4549E-06	1.7894E-05	3.46E-04	6.19E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
451	1.77242	8.4549E-06	1.4986E-05	3.46E-04	5.19E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
452	1.50394	8.4549E-06	1.2716E-05	3.46E-04	4.40E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
453	1.08819	8.4549E-06	9.2005E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
454	1.27201	8.4549E-06	1.0755E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
455	1.50733	8.4549E-06	1.2744E-05	3.46E-04	4.41E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
456	1.8119	8.4549E-06	1.5319E-05	3.46E-04	5.30E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
457	2.21091	8.4549E-06	1.8693E-05	3.46E-04	6.47E-09	0.25	1.57E-01	2.54E-10	1,000,000	2.54E-04
458	2.73734	8.4549E-06	2.3144E-05	3.46E-04	8.01E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
459	3.42198	8.4549E-06	2.8932E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.93E-10	1,000,000	3.93E-04
460	4.27034	8.4549E-06	3.6105E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.91E-10	1,000,000	4.91E-04
461	5.19132	8.4549E-06	4.3892E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.97E-10	1,000,000	5.97E-04
462	5.92747	8.4549E-06	5.0116E-05	3.46E-04	1.73E-08	0.25	1.57E-01	6.82E-10	1,000,000	6.82E-04
463	6.12605	8.4549E-06	5.1795E-05	3.46E-04	1.79E-08	0.25	1.57E-01	7.04E-10	1,000,000	7.04E-04
464	5.66003	8.4549E-06	4.7855E-05	3.46E-04	1.66E-08	0.25	1.57E-01	6.51E-10	1,000,000	6.51E-04
465	4.79757	8.4549E-06	4.0563E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.52E-10	1,000,000	5.52E-04
466	3.88721	8.4549E-06	3.2866E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.47E-10	1,000,000	4.47E-04
467	3.11191	8.4549E-06	2.6311E-05	3.46E-04	9.11E-09	0.25	1.57E-01	3.58E-10	1,000,000	3.58E-04
468	2.50251	8.4549E-06	2.1158E-05	3.46E-04	7.32E-09	0.25	1.57E-01	2.88E-10	1,000,000	2.88E-04
469	2.0388	8.4549E-06	1.7238E-05	3.46E-04	5.97E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
470	1.68746	8.4549E-06	1.4267E-05	3.46E-04	4.94E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
471	1.02717	8.4549E-06	8.6846E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
472	1.30921	8.4549E-06	1.1069E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
473	1.6272	8.4549E-06	1.3758E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
474	1.99626	8.4549E-06	1.6878E-05	3.46E-04	5.84E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
475	2.50768	8.4549E-06	2.1202E-05	3.46E-04	7.34E-09	0.25	1.57E-01	2.88E-10	1,000,000	2.88E-04
476	5.15785	8.4549E-06	4.3609E-05	3.46E-04	1.51E-08	0.25	1.57E-01	5.93E-10	1,000,000	5.93E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	3.83452	8.4549E-06	3.242E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.41E-10	1,000,000	4.41E-04
478	2.96122	8.4549E-06	2.5037E-05	3.46E-04	8.67E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
479	2.3357	8.4549E-06	1.9748E-05	3.46E-04	6.84E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
480	1.88406	8.4549E-06	1.5929E-05	3.46E-04	5.51E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
481	0.99649	8.4549E-06	8.4252E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
482	1.24639	8.4549E-06	1.0538E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
483	1.53692	8.4549E-06	1.2994E-05	3.46E-04	4.50E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
484	2.02136	8.4549E-06	1.709E-05	3.46E-04	5.92E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
485	2.77157	8.4549E-06	2.3433E-05	3.46E-04	8.11E-09	0.25	1.57E-01	3.19E-10	1,000,000	3.19E-04
486	6.86466	8.4549E-06	5.804E-05	3.46E-04	2.01E-08	0.25	1.57E-01	7.89E-10	1,000,000	7.89E-04
487	4.74851	8.4549E-06	4.0148E-05	3.46E-04	1.39E-08	0.25	1.57E-01	5.46E-10	1,000,000	5.46E-04
488	3.46054	8.4549E-06	2.9258E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
489	2.64788	8.4549E-06	2.2388E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
490	2.09153	8.4549E-06	1.7684E-05	3.46E-04	6.12E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
491	0.9306	8.4549E-06	7.8681E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
492	1.16444	8.4549E-06	9.8452E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
493	1.44579	8.4549E-06	1.2224E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
494	1.88478	8.4549E-06	1.5936E-05	3.46E-04	5.52E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
495	2.60039	8.4549E-06	2.1986E-05	3.46E-04	7.61E-09	0.25	1.57E-01	2.99E-10	1,000,000	2.99E-04
496	10.29337	8.4549E-06	8.7029E-05	3.46E-04	3.01E-08	0.25	1.57E-01	1.18E-09	1,000,000	1.18E-03
497	21.63534	8.4549E-06	0.00018292	3.46E-04	6.33E-08	0.25	1.57E-01	2.49E-09	1,000,000	2.49E-03
498	16.67901	8.4549E-06	0.00014102	3.46E-04	4.88E-08	0.25	1.57E-01	1.92E-09	1,000,000	1.92E-03
499	9.11739	8.4549E-06	7.7086E-05	3.46E-04	2.67E-08	0.25	1.57E-01	1.05E-09	1,000,000	1.05E-03
500	5.74791	8.4549E-06	4.8598E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.61E-10	1,000,000	6.61E-04
501	3.99831	8.4549E-06	3.3805E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.60E-10	1,000,000	4.60E-04
502	2.95876	8.4549E-06	2.5016E-05	3.46E-04	8.66E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
503	2.29098	8.4549E-06	1.937E-05	3.46E-04	6.71E-09	0.25	1.57E-01	2.63E-10	1,000,000	2.63E-04
504	0.83706	8.4549E-06	7.0772E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.62E-11	1,000,000	9.62E-05
505	1.00964	8.4549E-06	8.5364E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
506	1.33562	8.4549E-06	1.1293E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
507	1.70558	8.4549E-06	1.442E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
508	2.43644	8.4549E-06	2.06E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
509	3.49974	8.4549E-06	2.959E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.02E-10	1,000,000	4.02E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	5.51327	8.4549E-06	4.6614E-05	3.46E-04	1.61E-08	0.25	1.57E-01	6.34E-10	1,000,000	6.34E-04
511	10.55524	8.4549E-06	8.9243E-05	3.46E-04	3.09E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
512	25.56058	8.4549E-06	0.00021611	3.46E-04	7.48E-08	0.25	1.57E-01	2.94E-09	1,000,000	2.94E-03
513	168.8158	8.4549E-06	0.00142732	3.46E-04	4.94E-07	0.25	1.57E-01	1.94E-08	1,000,000	1.94E-02
514	223.0966	8.4549E-06	0.00188625	3.46E-04	6.53E-07	0.25	1.57E-01	2.57E-08	1,000,000	2.57E-02
515	76.89633	8.4549E-06	0.00065015	3.46E-04	2.25E-07	0.25	1.57E-01	8.84E-09	1,000,000	8.84E-03
516	21.79107	8.4549E-06	0.00018424	3.46E-04	6.38E-08	0.25	1.57E-01	2.51E-09	1,000,000	2.51E-03
517	10.67424	8.4549E-06	9.0249E-05	3.46E-04	3.12E-08	0.25	1.57E-01	1.23E-09	1,000,000	1.23E-03
518	6.46129	8.4549E-06	5.4629E-05	3.46E-04	1.89E-08	0.25	1.57E-01	7.43E-10	1,000,000	7.43E-04
519	4.38204	8.4549E-06	3.705E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.04E-10	1,000,000	5.04E-04
520	3.19244	8.4549E-06	2.6992E-05	3.46E-04	9.34E-09	0.25	1.57E-01	3.67E-10	1,000,000	3.67E-04
521	2.44423	8.4549E-06	2.0666E-05	3.46E-04	7.15E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
522	0.73738	8.4549E-06	6.2345E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.48E-11	1,000,000	8.48E-05
523	0.91589	8.4549E-06	7.7437E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
524	1.16076	8.4549E-06	9.8141E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
525	1.50024	8.4549E-06	1.2684E-05	3.46E-04	4.39E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
526	1.94863	8.4549E-06	1.6475E-05	3.46E-04	5.70E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
527	3.0344	8.4549E-06	2.5655E-05	3.46E-04	8.88E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
528	4.65227	8.4549E-06	3.9334E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.35E-10	1,000,000	5.35E-04
529	7.87409	8.4549E-06	6.6574E-05	3.46E-04	2.30E-08	0.25	1.57E-01	9.05E-10	1,000,000	9.05E-04
530	15.9622	8.4549E-06	0.00013496	3.46E-04	4.67E-08	0.25	1.57E-01	1.84E-09	1,000,000	1.84E-03
531	31.98663	8.4549E-06	0.00027044	3.46E-04	9.36E-08	0.25	1.57E-01	3.68E-09	1,000,000	3.68E-03
532	40.97268	8.4549E-06	0.00034642	3.46E-04	1.20E-07	0.25	1.57E-01	4.71E-09	1,000,000	4.71E-03
533	29.18197	8.4549E-06	0.00024673	3.46E-04	8.54E-08	0.25	1.57E-01	3.36E-09	1,000,000	3.36E-03
534	16.33875	8.4549E-06	0.00013814	3.46E-04	4.78E-08	0.25	1.57E-01	1.88E-09	1,000,000	1.88E-03
535	9.62826	8.4549E-06	8.1406E-05	3.46E-04	2.82E-08	0.25	1.57E-01	1.11E-09	1,000,000	1.11E-03
536	6.23877	8.4549E-06	5.2748E-05	3.46E-04	1.83E-08	0.25	1.57E-01	7.17E-10	1,000,000	7.17E-04
537	4.35862	8.4549E-06	3.6852E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.01E-10	1,000,000	5.01E-04
538	3.22247	8.4549E-06	2.7246E-05	3.46E-04	9.43E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
539	2.48426	8.4549E-06	2.1004E-05	3.46E-04	7.27E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
540	0.65051	8.4549E-06	5.5E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
541	0.79725	8.4549E-06	6.7407E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.17E-11	1,000,000	9.17E-05
542	0.99347	8.4549E-06	8.3997E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	1.27126	8.4549E-06	1.0748E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
544	1.73792	8.4549E-06	1.4694E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
545	2.36943	8.4549E-06	2.0033E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
546	3.54174	8.4549E-06	2.9945E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.07E-10	1,000,000	4.07E-04
547	5.36864	8.4549E-06	4.5391E-05	3.46E-04	1.57E-08	0.25	1.57E-01	6.17E-10	1,000,000	6.17E-04
548	8.49607	8.4549E-06	7.1833E-05	3.46E-04	2.49E-08	0.25	1.57E-01	9.77E-10	1,000,000	9.77E-04
549	12.7317	8.4549E-06	0.00010764	3.46E-04	3.73E-08	0.25	1.57E-01	1.46E-09	1,000,000	1.46E-03
550	15.16684	8.4549E-06	0.00012823	3.46E-04	4.44E-08	0.25	1.57E-01	1.74E-09	1,000,000	1.74E-03
551	13.22278	8.4549E-06	0.0001118	3.46E-04	3.87E-08	0.25	1.57E-01	1.52E-09	1,000,000	1.52E-03
552	9.90204	8.4549E-06	8.3721E-05	3.46E-04	2.90E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
553	7.15339	8.4549E-06	6.0481E-05	3.46E-04	2.09E-08	0.25	1.57E-01	8.23E-10	1,000,000	8.23E-04
554	5.2186	8.4549E-06	4.4123E-05	3.46E-04	1.53E-08	0.25	1.57E-01	6.00E-10	1,000,000	6.00E-04
555	3.90217	8.4549E-06	3.2992E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.49E-10	1,000,000	4.49E-04
556	3.00724	8.4549E-06	2.5426E-05	3.46E-04	8.80E-09	0.25	1.57E-01	3.46E-10	1,000,000	3.46E-04
557	2.38072	8.4549E-06	2.0129E-05	3.46E-04	6.97E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
558	0.57595	8.4549E-06	4.8696E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.62E-11	1,000,000	6.62E-05
559	0.69918	8.4549E-06	5.9115E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.04E-11	1,000,000	8.04E-05
560	0.83753	8.4549E-06	7.0812E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.63E-11	1,000,000	9.63E-05
561	1.05943	8.4549E-06	8.9574E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
562	1.33749	8.4549E-06	1.1308E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
563	1.77553	8.4549E-06	1.5012E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
564	2.53815	8.4549E-06	2.146E-05	3.46E-04	7.43E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
565	3.51039	8.4549E-06	2.968E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.04E-10	1,000,000	4.04E-04
566	5.04886	8.4549E-06	4.2687E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.81E-10	1,000,000	5.81E-04
567	6.43834	8.4549E-06	5.4435E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.40E-10	1,000,000	7.40E-04
568	7.60235	8.4549E-06	6.4277E-05	3.46E-04	2.23E-08	0.25	1.57E-01	8.74E-10	1,000,000	8.74E-04
569	6.84129	8.4549E-06	5.7842E-05	3.46E-04	2.00E-08	0.25	1.57E-01	7.87E-10	1,000,000	7.87E-04
570	5.88276	8.4549E-06	4.9738E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.76E-10	1,000,000	6.76E-04
571	5.03008	8.4549E-06	4.2529E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.78E-10	1,000,000	5.78E-04
572	4.06953	8.4549E-06	3.4407E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.68E-10	1,000,000	4.68E-04
573	3.26184	8.4549E-06	2.7578E-05	3.46E-04	9.55E-09	0.25	1.57E-01	3.75E-10	1,000,000	3.75E-04
574	2.64075	8.4549E-06	2.2327E-05	3.46E-04	7.73E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
575	2.16548	8.4549E-06	1.8309E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	4.908E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.6E-03
2	8.4549E-06	5.318E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
3	8.4549E-06	5.7628E-06	1.05E-03	6.02E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
4	8.4549E-06	6.2372E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
5	8.4549E-06	6.7394E-06	1.05E-03	7.04E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
6	8.4549E-06	7.2583E-06	1.05E-03	7.59E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
7	8.4549E-06	7.7704E-06	1.05E-03	8.12E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
8	8.4549E-06	8.258E-06	1.05E-03	8.63E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
9	8.4549E-06	8.6999E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
10	8.4549E-06	9.0556E-06	1.05E-03	9.46E-09	2.00	1.57E-01	2.97E-09	1,000,000	2.97E-03
11	8.4549E-06	9.2969E-06	1.05E-03	9.72E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
12	8.4549E-06	9.404E-06	1.05E-03	9.83E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
13	8.4549E-06	9.3647E-06	1.05E-03	9.79E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
14	8.4549E-06	9.1812E-06	1.05E-03	9.60E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
15	8.4549E-06	8.8719E-06	1.05E-03	9.27E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03
16	8.4549E-06	8.4561E-06	1.05E-03	8.84E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
17	8.4549E-06	7.9883E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
18	8.4549E-06	7.4802E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
19	8.4549E-06	6.9524E-06	1.05E-03	7.27E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
20	8.4549E-06	6.4474E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
21	8.4549E-06	5.9598E-06	1.05E-03	6.23E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	5.4937E-06	1.05E-03	5.74E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
23	8.4549E-06	5.2825E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
24	8.4549E-06	5.7705E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
25	8.4549E-06	6.3088E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
26	8.4549E-06	6.8972E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
27	8.4549E-06	7.5297E-06	1.05E-03	7.87E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
28	8.4549E-06	8.2032E-06	1.05E-03	8.57E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
29	8.4549E-06	8.8811E-06	1.05E-03	9.28E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
30	8.4549E-06	9.552E-06	1.05E-03	9.98E-09	2.00	1.57E-01	3.14E-09	1,000,000	3.14E-03
31	8.4549E-06	1.016E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
32	8.4549E-06	1.0662E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
33	8.4549E-06	1.1004E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
34	8.4549E-06	1.1169E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
35	8.4549E-06	1.1123E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
36	8.4549E-06	1.0871E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
37	8.4549E-06	1.0403E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.42E-09	1,000,000	3.42E-03
38	8.4549E-06	9.8275E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
39	8.4549E-06	9.1939E-06	1.05E-03	9.61E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
40	8.4549E-06	8.5125E-06	1.05E-03	8.90E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
41	8.4549E-06	7.8225E-06	1.05E-03	8.18E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
42	8.4549E-06	7.1589E-06	1.05E-03	7.48E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
43	8.4549E-06	6.5369E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
44	8.4549E-06	5.9987E-06	1.05E-03	6.27E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
45	8.4549E-06	5.6779E-06	1.05E-03	5.93E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
46	8.4549E-06	6.2563E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
47	8.4549E-06	6.9085E-06	1.05E-03	7.22E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	7.6384E-06	1.05E-03	7.98E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
49	8.4549E-06	8.4432E-06	1.05E-03	8.82E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
50	8.4549E-06	9.3158E-06	1.05E-03	9.74E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
51	8.4549E-06	1.0234E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
52	8.4549E-06	1.1158E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
53	8.4549E-06	1.2034E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
54	8.4549E-06	1.2766E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
55	8.4549E-06	1.3287E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.36E-09	1,000,000	4.36E-03
56	8.4549E-06	1.353E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
57	8.4549E-06	1.3454E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.42E-09	1,000,000	4.42E-03
58	8.4549E-06	1.3098E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.30E-09	1,000,000	4.30E-03
59	8.4549E-06	1.2409E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.08E-09	1,000,000	4.08E-03
60	8.4549E-06	1.1574E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.80E-09	1,000,000	3.80E-03
61	8.4549E-06	1.0681E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
62	8.4549E-06	9.7425E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.20E-09	1,000,000	3.20E-03
63	8.4549E-06	8.8336E-06	1.05E-03	9.23E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
64	8.4549E-06	7.9904E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
65	8.4549E-06	7.2299E-06	1.05E-03	7.56E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
66	8.4549E-06	6.5496E-06	1.05E-03	6.85E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
67	8.4549E-06	6.0873E-06	1.05E-03	6.36E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
68	8.4549E-06	6.7692E-06	1.05E-03	7.08E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
69	8.4549E-06	7.5561E-06	1.05E-03	7.90E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
70	8.4549E-06	8.4574E-06	1.05E-03	8.84E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
71	8.4549E-06	9.4834E-06	1.05E-03	9.91E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
72	8.4549E-06	1.0632E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.49E-09	1,000,000	3.49E-03
73	8.4549E-06	1.1888E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
74	8.4549E-06	1.3192E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
75	8.4549E-06	1.4472E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.75E-09	1,000,000	4.75E-03
76	8.4549E-06	1.5605E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.13E-09	1,000,000	5.13E-03
77	8.4549E-06	1.6444E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
78	8.4549E-06	1.6863E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.54E-09	1,000,000	5.54E-03
79	8.4549E-06	1.6725E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
80	8.4549E-06	1.6102E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	1.5087E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.96E-09	1,000,000	4.96E-03
82	8.4549E-06	1.3876E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.56E-09	1,000,000	4.56E-03
83	8.4549E-06	1.2537E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.12E-09	1,000,000	4.12E-03
84	8.4549E-06	1.1241E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
85	8.4549E-06	9.978E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
86	8.4549E-06	8.9278E-06	1.05E-03	9.33E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
87	8.4549E-06	7.9695E-06	1.05E-03	8.33E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
88	8.4549E-06	7.144E-06	1.05E-03	7.47E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
89	8.4549E-06	6.5003E-06	1.05E-03	6.79E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
90	8.4549E-06	7.2975E-06	1.05E-03	7.63E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
91	8.4549E-06	8.2384E-06	1.05E-03	8.61E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
92	8.4549E-06	9.3491E-06	1.05E-03	9.77E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
93	8.4549E-06	1.0654E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
94	8.4549E-06	1.2166E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
95	8.4549E-06	1.3893E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.56E-09	1,000,000	4.56E-03
96	8.4549E-06	1.5788E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.19E-09	1,000,000	5.19E-03
97	8.4549E-06	1.7749E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.83E-09	1,000,000	5.83E-03
98	8.4549E-06	1.9563E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.43E-09	1,000,000	6.43E-03
99	8.4549E-06	2.0943E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.88E-09	1,000,000	6.88E-03
100	8.4549E-06	2.163E-05	1.05E-03	2.26E-08	2.00	1.57E-01	7.11E-09	1,000,000	7.11E-03
101	8.4549E-06	2.1423E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.04E-09	1,000,000	7.04E-03
102	8.4549E-06	2.0377E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.69E-09	1,000,000	6.69E-03
103	8.4549E-06	1.8757E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
104	8.4549E-06	1.6815E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
105	8.4549E-06	1.4873E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03
106	8.4549E-06	1.3034E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03
107	8.4549E-06	1.1386E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
108	8.4549E-06	9.9762E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
109	8.4549E-06	8.7759E-06	1.05E-03	9.17E-09	2.00	1.57E-01	2.88E-09	1,000,000	2.88E-03
110	8.4549E-06	7.7801E-06	1.05E-03	8.13E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
111	8.4549E-06	6.9012E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
112	8.4549E-06	7.8244E-06	1.05E-03	8.18E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
113	8.4549E-06	8.9368E-06	1.05E-03	9.34E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.0288E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
115	8.4549E-06	1.1933E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
116	8.4549E-06	1.3923E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.57E-09	1,000,000	4.57E-03
117	8.4549E-06	1.6319E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.36E-09	1,000,000	5.36E-03
118	8.4549E-06	1.9127E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.28E-09	1,000,000	6.28E-03
119	8.4549E-06	2.2224E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.30E-09	1,000,000	7.30E-03
120	8.4549E-06	2.5307E-05	1.05E-03	2.65E-08	2.00	1.57E-01	8.31E-09	1,000,000	8.31E-03
121	8.4549E-06	2.7832E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.14E-09	1,000,000	9.14E-03
122	8.4549E-06	2.9074E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.55E-09	1,000,000	9.55E-03
123	8.4549E-06	2.8689E-05	1.05E-03	3.00E-08	2.00	1.57E-01	9.42E-09	1,000,000	9.42E-03
124	8.4549E-06	2.6784E-05	1.05E-03	2.80E-08	2.00	1.57E-01	8.80E-09	1,000,000	8.80E-03
125	8.4549E-06	2.3942E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.86E-09	1,000,000	7.86E-03
126	8.4549E-06	2.0761E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.82E-09	1,000,000	6.82E-03
127	8.4549E-06	1.7791E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.84E-09	1,000,000	5.84E-03
128	8.4549E-06	1.5179E-05	1.05E-03	1.59E-08	2.00	1.57E-01	4.99E-09	1,000,000	4.99E-03
129	8.4549E-06	1.2952E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.25E-09	1,000,000	4.25E-03
130	8.4549E-06	1.1149E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
131	8.4549E-06	9.6562E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
132	8.4549E-06	8.4513E-06	1.05E-03	8.83E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
133	8.4549E-06	7.2719E-06	1.05E-03	7.60E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
134	8.4549E-06	8.3198E-06	1.05E-03	8.70E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
135	8.4549E-06	9.6128E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.16E-09	1,000,000	3.16E-03
136	8.4549E-06	1.1233E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
137	8.4549E-06	1.3276E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.36E-09	1,000,000	4.36E-03
138	8.4549E-06	1.5875E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.21E-09	1,000,000	5.21E-03
139	8.4549E-06	1.9186E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.30E-09	1,000,000	6.30E-03
140	8.4549E-06	2.3377E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.68E-09	1,000,000	7.68E-03
141	8.4549E-06	2.8407E-05	1.05E-03	2.97E-08	2.00	1.57E-01	9.33E-09	1,000,000	9.33E-03
142	8.4549E-06	3.3998E-05	1.05E-03	3.55E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
143	8.4549E-06	3.8997E-05	1.05E-03	4.08E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
144	8.4549E-06	4.1682E-05	1.05E-03	4.36E-08	2.00	1.57E-01	1.37E-08	1,000,000	1.37E-02
145	8.4549E-06	4.0869E-05	1.05E-03	4.27E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
146	8.4549E-06	3.6919E-05	1.05E-03	3.86E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	3.1529E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
148	8.4549E-06	2.6081E-05	1.05E-03	2.73E-08	2.00	1.57E-01	8.57E-09	1,000,000	8.57E-03
149	8.4549E-06	2.1464E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.05E-09	1,000,000	7.05E-03
150	8.4549E-06	1.7665E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
151	8.4549E-06	1.4692E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
152	8.4549E-06	1.2404E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
153	8.4549E-06	1.0587E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.48E-09	1,000,000	3.48E-03
154	8.4549E-06	9.1464E-06	1.05E-03	9.56E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
155	8.4549E-06	6.7327E-06	1.05E-03	7.04E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
156	8.4549E-06	8.0769E-06	1.05E-03	8.44E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
157	8.4549E-06	1.0094E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.32E-09	1,000,000	3.32E-03
158	8.4549E-06	1.2115E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.98E-09	1,000,000	3.98E-03
159	8.4549E-06	1.4588E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
160	8.4549E-06	1.7892E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.88E-09	1,000,000	5.88E-03
161	8.4549E-06	2.239E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.35E-09	1,000,000	7.35E-03
162	8.4549E-06	2.8578E-05	1.05E-03	2.99E-08	2.00	1.57E-01	9.39E-09	1,000,000	9.39E-03
163	8.4549E-06	3.6993E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
164	8.4549E-06	4.7718E-05	1.05E-03	4.99E-08	2.00	1.57E-01	1.57E-08	1,000,000	1.57E-02
165	8.4549E-06	5.8979E-05	1.05E-03	6.16E-08	2.00	1.57E-01	1.94E-08	1,000,000	1.94E-02
166	8.4549E-06	6.5966E-05	1.05E-03	6.89E-08	2.00	1.57E-01	2.17E-08	1,000,000	2.17E-02
167	8.4549E-06	6.3921E-05	1.05E-03	6.68E-08	2.00	1.57E-01	2.10E-08	1,000,000	2.10E-02
168	8.4549E-06	5.4413E-05	1.05E-03	5.69E-08	2.00	1.57E-01	1.79E-08	1,000,000	1.79E-02
169	8.4549E-06	4.3062E-05	1.05E-03	4.50E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
170	8.4549E-06	3.3221E-05	1.05E-03	3.47E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
171	8.4549E-06	2.5809E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.48E-09	1,000,000	8.48E-03
172	8.4549E-06	2.0551E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.75E-09	1,000,000	6.75E-03
173	8.4549E-06	1.6637E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.47E-09	1,000,000	5.47E-03
174	8.4549E-06	1.3749E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
175	8.4549E-06	1.1577E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.80E-09	1,000,000	3.80E-03
176	8.4549E-06	9.8824E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
177	8.4549E-06	6.5926E-06	1.05E-03	6.89E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
178	8.4549E-06	7.9307E-06	1.05E-03	8.29E-09	2.00	1.57E-01	2.61E-09	1,000,000	2.61E-03
179	8.4549E-06	1.0101E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.32E-09	1,000,000	3.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	1.2697E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.17E-09	1,000,000	4.17E-03
181	8.4549E-06	1.5753E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.17E-09	1,000,000	5.17E-03
182	8.4549E-06	1.9763E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
183	8.4549E-06	2.5583E-05	1.05E-03	2.67E-08	2.00	1.57E-01	8.40E-09	1,000,000	8.40E-03
184	8.4549E-06	6.0501E-05	1.05E-03	6.32E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
185	8.4549E-06	4.2288E-05	1.05E-03	4.42E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
186	8.4549E-06	3.1198E-05	1.05E-03	3.26E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
187	8.4549E-06	2.3767E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.81E-09	1,000,000	7.81E-03
188	8.4549E-06	1.8709E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.15E-09	1,000,000	6.15E-03
189	8.4549E-06	1.517E-05	1.05E-03	1.59E-08	2.00	1.57E-01	4.98E-09	1,000,000	4.98E-03
190	8.4549E-06	1.2576E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.13E-09	1,000,000	4.13E-03
191	8.4549E-06	1.0612E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.49E-09	1,000,000	3.49E-03
192	8.4549E-06	6.2204E-06	1.05E-03	6.50E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
193	8.4549E-06	7.4752E-06	1.05E-03	7.81E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
194	8.4549E-06	9.2822E-06	1.05E-03	9.70E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
195	8.4549E-06	1.1611E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.81E-09	1,000,000	3.81E-03
196	8.4549E-06	1.5264E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03
197	8.4549E-06	1.9949E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.55E-09	1,000,000	6.55E-03
198	8.4549E-06	2.7809E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.13E-09	1,000,000	9.13E-03
199	8.4549E-06	0.00010363	1.05E-03	1.08E-07	2.00	1.57E-01	3.40E-08	1,000,000	3.40E-02
200	8.4549E-06	8.637E-05	1.05E-03	9.03E-08	2.00	1.57E-01	2.84E-08	1,000,000	2.84E-02
201	8.4549E-06	5.4016E-05	1.05E-03	5.65E-08	2.00	1.57E-01	1.77E-08	1,000,000	1.77E-02
202	8.4549E-06	3.7017E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
203	8.4549E-06	2.7192E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.93E-09	1,000,000	8.93E-03
204	8.4549E-06	2.0873E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.86E-09	1,000,000	6.86E-03
205	8.4549E-06	1.6603E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.45E-09	1,000,000	5.45E-03
206	8.4549E-06	1.357E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.46E-09	1,000,000	4.46E-03
207	8.4549E-06	1.1341E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.73E-09	1,000,000	3.73E-03
208	8.4549E-06	5.6878E-06	1.05E-03	5.94E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
209	8.4549E-06	6.86E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
210	8.4549E-06	8.1413E-06	1.05E-03	8.51E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
211	8.4549E-06	1.0514E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
212	8.4549E-06	1.3448E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.42E-09	1,000,000	4.42E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.8096E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.94E-09	1,000,000	5.94E-03
214	8.4549E-06	2.5834E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
215	8.4549E-06	3.9247E-05	1.05E-03	4.10E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
216	8.4549E-06	6.8333E-05	1.05E-03	7.14E-08	2.00	1.57E-01	2.24E-08	1,000,000	2.24E-02
217	8.4549E-06	0.00013376	1.05E-03	1.40E-07	2.00	1.57E-01	4.39E-08	1,000,000	4.39E-02
218	8.4549E-06	0.00028478	1.05E-03	2.98E-07	2.00	1.57E-01	9.35E-08	1,000,000	9.35E-02
219	8.4549E-06	0.00011701	1.05E-03	1.22E-07	2.00	1.57E-01	3.84E-08	1,000,000	3.84E-02
220	8.4549E-06	6.5738E-05	1.05E-03	6.87E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
221	8.4549E-06	4.2784E-05	1.05E-03	4.47E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
222	8.4549E-06	3.0361E-05	1.05E-03	3.17E-08	2.00	1.57E-01	9.97E-09	1,000,000	9.97E-03
223	8.4549E-06	2.2822E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.50E-09	1,000,000	7.50E-03
224	8.4549E-06	1.7877E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.87E-09	1,000,000	5.87E-03
225	8.4549E-06	1.4444E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
226	8.4549E-06	1.197E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.93E-09	1,000,000	3.93E-03
227	8.4549E-06	5.1281E-06	1.05E-03	5.36E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
228	8.4549E-06	6.0742E-06	1.05E-03	6.35E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
229	8.4549E-06	7.3129E-06	1.05E-03	7.64E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
230	8.4549E-06	9.1363E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
231	8.4549E-06	1.1799E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
232	8.4549E-06	1.5401E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.06E-09	1,000,000	5.06E-03
233	8.4549E-06	2.2892E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.52E-09	1,000,000	7.52E-03
234	8.4549E-06	3.4297E-05	1.05E-03	3.58E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
235	8.4549E-06	5.7312E-05	1.05E-03	5.99E-08	2.00	1.57E-01	1.88E-08	1,000,000	1.88E-02
236	8.4549E-06	0.0001176	1.05E-03	1.23E-07	2.00	1.57E-01	3.86E-08	1,000,000	3.86E-02
237	8.4549E-06	0.00029981	1.05E-03	3.13E-07	2.00	1.57E-01	9.85E-08	1,000,000	9.85E-02
238	8.4549E-06	0.00072497	1.05E-03	7.58E-07	2.00	1.57E-01	2.38E-07	1,000,000	2.38E-01
239	8.4549E-06	0.00063196	1.05E-03	6.61E-07	2.00	1.57E-01	2.08E-07	1,000,000	2.08E-01
240	8.4549E-06	0.00025459	1.05E-03	2.66E-07	2.00	1.57E-01	8.36E-08	1,000,000	8.36E-02
241	8.4549E-06	0.00011913	1.05E-03	1.25E-07	2.00	1.57E-01	3.91E-08	1,000,000	3.91E-02
242	8.4549E-06	6.8699E-05	1.05E-03	7.18E-08	2.00	1.57E-01	2.26E-08	1,000,000	2.26E-02
243	8.4549E-06	4.4889E-05	1.05E-03	4.69E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
244	8.4549E-06	3.1817E-05	1.05E-03	3.33E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
245	8.4549E-06	2.3856E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.84E-09	1,000,000	7.84E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	1.8631E-05	1.05E-03	1.95E-08	2.00	1.57E-01	6.12E-09	1,000,000	6.12E-03
247	8.4549E-06	1.5009E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
248	8.4549E-06	1.2398E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
249	8.4549E-06	4.6338E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
250	8.4549E-06	5.411E-06	1.05E-03	5.66E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
251	8.4549E-06	6.4189E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
252	8.4549E-06	7.9934E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
253	8.4549E-06	1.0091E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
254	8.4549E-06	1.3794E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
255	8.4549E-06	1.8871E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.20E-09	1,000,000	6.20E-03
256	8.4549E-06	2.8993E-05	1.05E-03	3.03E-08	2.00	1.57E-01	9.52E-09	1,000,000	9.52E-03
257	8.4549E-06	4.3868E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
258	8.4549E-06	7.1305E-05	1.05E-03	7.45E-08	2.00	1.57E-01	2.34E-08	1,000,000	2.34E-02
259	8.4549E-06	0.00012948	1.05E-03	1.35E-07	2.00	1.57E-01	4.25E-08	1,000,000	4.25E-02
260	8.4549E-06	0.00019102	1.05E-03	2.00E-07	2.00	1.57E-01	6.27E-08	1,000,000	6.27E-02
261	8.4549E-06	0.00018468	1.05E-03	1.93E-07	2.00	1.57E-01	6.07E-08	1,000,000	6.07E-02
262	8.4549E-06	0.00013259	1.05E-03	1.39E-07	2.00	1.57E-01	4.36E-08	1,000,000	4.36E-02
263	8.4549E-06	8.7297E-05	1.05E-03	9.12E-08	2.00	1.57E-01	2.87E-08	1,000,000	2.87E-02
264	8.4549E-06	5.8675E-05	1.05E-03	6.13E-08	2.00	1.57E-01	1.93E-08	1,000,000	1.93E-02
265	8.4549E-06	4.1293E-05	1.05E-03	4.32E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
266	8.4549E-06	3.046E-05	1.05E-03	3.18E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
267	8.4549E-06	2.3367E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.68E-09	1,000,000	7.68E-03
268	8.4549E-06	1.8497E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
269	8.4549E-06	1.5023E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
270	8.4549E-06	1.2468E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
271	8.4549E-06	4.089E-06	1.05E-03	4.27E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
272	8.4549E-06	4.7286E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
273	8.4549E-06	5.633E-06	1.05E-03	5.89E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
274	8.4549E-06	6.8382E-06	1.05E-03	7.15E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
275	8.4549E-06	8.5382E-06	1.05E-03	8.92E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
276	8.4549E-06	1.1216E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
277	8.4549E-06	1.5108E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.96E-09	1,000,000	4.96E-03
278	8.4549E-06	2.071E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.80E-09	1,000,000	6.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	3.0327E-05	1.05E-03	3.17E-08	2.00	1.57E-01	9.96E-09	1,000,000	9.96E-03
280	8.4549E-06	4.4778E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
281	8.4549E-06	6.4147E-05	1.05E-03	6.70E-08	2.00	1.57E-01	2.11E-08	1,000,000	2.11E-02
282	8.4549E-06	8.4221E-05	1.05E-03	8.80E-08	2.00	1.57E-01	2.77E-08	1,000,000	2.77E-02
283	8.4549E-06	8.8033E-05	1.05E-03	9.20E-08	2.00	1.57E-01	2.89E-08	1,000,000	2.89E-02
284	8.4549E-06	7.0704E-05	1.05E-03	7.39E-08	2.00	1.57E-01	2.32E-08	1,000,000	2.32E-02
285	8.4549E-06	5.8087E-05	1.05E-03	6.07E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
286	8.4549E-06	4.4579E-05	1.05E-03	4.66E-08	2.00	1.57E-01	1.46E-08	1,000,000	1.46E-02
287	8.4549E-06	3.4373E-05	1.05E-03	3.59E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
288	8.4549E-06	2.6911E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.84E-09	1,000,000	8.84E-03
289	8.4549E-06	2.1463E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.05E-09	1,000,000	7.05E-03
290	8.4549E-06	1.7443E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
291	8.4549E-06	1.4432E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
292	8.4549E-06	1.2131E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.98E-09	1,000,000	3.98E-03
293	8.4549E-06	3.6407E-06	1.05E-03	3.81E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
294	8.4549E-06	4.2134E-06	1.05E-03	4.40E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
295	8.4549E-06	4.9433E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
296	8.4549E-06	5.8557E-06	1.05E-03	6.12E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
297	8.4549E-06	7.2743E-06	1.05E-03	7.60E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
298	8.4549E-06	9.1438E-06	1.05E-03	9.56E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
299	8.4549E-06	1.1808E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
300	8.4549E-06	1.6016E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
301	8.4549E-06	2.0714E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.80E-09	1,000,000	6.80E-03
302	8.4549E-06	2.8841E-05	1.05E-03	3.01E-08	2.00	1.57E-01	9.47E-09	1,000,000	9.47E-03
303	8.4549E-06	3.7828E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
304	8.4549E-06	4.5568E-05	1.05E-03	4.76E-08	2.00	1.57E-01	1.50E-08	1,000,000	1.50E-02
305	8.4549E-06	4.7559E-05	1.05E-03	4.97E-08	2.00	1.57E-01	1.56E-08	1,000,000	1.56E-02
306	8.4549E-06	4.2134E-05	1.05E-03	4.40E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
307	8.4549E-06	3.7546E-05	1.05E-03	3.92E-08	2.00	1.57E-01	1.23E-08	1,000,000	1.23E-02
308	8.4549E-06	3.2798E-05	1.05E-03	3.43E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
309	8.4549E-06	2.7457E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.02E-09	1,000,000	9.02E-03
310	8.4549E-06	2.2649E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.44E-09	1,000,000	7.44E-03
311	8.4549E-06	1.8822E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.5787E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.19E-09	1,000,000	5.19E-03
313	8.4549E-06	1.337E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
314	8.4549E-06	1.1439E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.76E-09	1,000,000	3.76E-03
315	8.4549E-06	3.1888E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
316	8.4549E-06	3.6817E-06	1.05E-03	3.85E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
317	8.4549E-06	4.2761E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
318	8.4549E-06	5.0057E-06	1.05E-03	5.23E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
319	8.4549E-06	5.8927E-06	1.05E-03	6.16E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
320	8.4549E-06	7.5202E-06	1.05E-03	7.86E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
321	8.4549E-06	9.2131E-06	1.05E-03	9.63E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
322	8.4549E-06	1.1665E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
323	8.4549E-06	1.5233E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03
324	8.4549E-06	1.9377E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.37E-09	1,000,000	6.37E-03
325	8.4549E-06	2.4129E-05	1.05E-03	2.52E-08	2.00	1.57E-01	7.93E-09	1,000,000	7.93E-03
326	8.4549E-06	2.8437E-05	1.05E-03	2.97E-08	2.00	1.57E-01	9.34E-09	1,000,000	9.34E-03
327	8.4549E-06	3.4583E-05	1.05E-03	3.61E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
328	8.4549E-06	2.7256E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.95E-09	1,000,000	8.95E-03
329	8.4549E-06	2.5131E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.26E-09	1,000,000	8.26E-03
330	8.4549E-06	2.3293E-05	1.05E-03	2.43E-08	2.00	1.57E-01	7.65E-09	1,000,000	7.65E-03
331	8.4549E-06	2.1484E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.06E-09	1,000,000	7.06E-03
332	8.4549E-06	1.9073E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.27E-09	1,000,000	6.27E-03
333	8.4549E-06	1.6785E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.51E-09	1,000,000	5.51E-03
334	8.4549E-06	1.3931E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
335	8.4549E-06	1.2077E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
336	8.4549E-06	1.0531E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
337	8.4549E-06	2.8731E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.44E-10	1,000,000	9.44E-04
338	8.4549E-06	3.2616E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
339	8.4549E-06	3.6905E-06	1.05E-03	3.86E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
340	8.4549E-06	4.3259E-06	1.05E-03	4.52E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
341	8.4549E-06	5.0028E-06	1.05E-03	5.23E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
342	8.4549E-06	6.1689E-06	1.05E-03	6.45E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
343	8.4549E-06	7.2852E-06	1.05E-03	7.61E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
344	8.4549E-06	8.9568E-06	1.05E-03	9.36E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	1.1052E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.63E-09	1,000,000	3.63E-03
346	8.4549E-06	1.3848E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.55E-09	1,000,000	4.55E-03
347	8.4549E-06	1.6192E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.32E-09	1,000,000	5.32E-03
348	8.4549E-06	1.852E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
349	8.4549E-06	1.7522E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.76E-09	1,000,000	5.76E-03
350	8.4549E-06	1.7596E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.78E-09	1,000,000	5.78E-03
351	8.4549E-06	1.7314E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.69E-09	1,000,000	5.69E-03
352	8.4549E-06	1.6065E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.28E-09	1,000,000	5.28E-03
353	8.4549E-06	1.5994E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.25E-09	1,000,000	5.25E-03
354	8.4549E-06	1.4909E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
355	8.4549E-06	1.3967E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.59E-09	1,000,000	4.59E-03
356	8.4549E-06	1.2536E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.12E-09	1,000,000	4.12E-03
357	8.4549E-06	1.1117E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
358	8.4549E-06	9.9764E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
359	8.4549E-06	2.5318E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
360	8.4549E-06	2.865E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.41E-10	1,000,000	9.41E-04
361	8.4549E-06	3.2322E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
362	8.4549E-06	3.6732E-06	1.05E-03	3.84E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
363	8.4549E-06	4.1677E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
364	8.4549E-06	4.928E-06	1.05E-03	5.15E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
365	8.4549E-06	5.8482E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
366	8.4549E-06	7.0258E-06	1.05E-03	7.34E-09	2.00	1.57E-01	2.31E-09	1,000,000	2.31E-03
367	8.4549E-06	8.6061E-06	1.05E-03	9.00E-09	2.00	1.57E-01	2.83E-09	1,000,000	2.83E-03
368	8.4549E-06	1.0079E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
369	8.4549E-06	1.1234E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
370	8.4549E-06	1.1851E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
371	8.4549E-06	1.2525E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.11E-09	1,000,000	4.11E-03
372	8.4549E-06	1.2627E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.15E-09	1,000,000	4.15E-03
373	8.4549E-06	1.2083E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
374	8.4549E-06	1.1466E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
375	8.4549E-06	1.1656E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
376	8.4549E-06	1.1273E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.70E-09	1,000,000	3.70E-03
377	8.4549E-06	1.0986E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	1.0697E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
379	8.4549E-06	9.7695E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
380	8.4549E-06	9.075E-06	1.05E-03	9.49E-09	2.00	1.57E-01	2.98E-09	1,000,000	2.98E-03
381	8.4549E-06	6.8582E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
382	8.4549E-06	7.6211E-06	1.05E-03	7.97E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
383	8.4549E-06	8.4813E-06	1.05E-03	8.86E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
384	8.4549E-06	9.4378E-06	1.05E-03	9.86E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
385	8.4549E-06	1.048E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
386	8.4549E-06	1.157E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.80E-09	1,000,000	3.80E-03
387	8.4549E-06	1.2646E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.15E-09	1,000,000	4.15E-03
388	8.4549E-06	1.3641E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.48E-09	1,000,000	4.48E-03
389	8.4549E-06	1.4439E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
390	8.4549E-06	1.4935E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.91E-09	1,000,000	4.91E-03
391	8.4549E-06	1.5042E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
392	8.4549E-06	1.4745E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
393	8.4549E-06	1.4084E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.63E-09	1,000,000	4.63E-03
394	8.4549E-06	1.3178E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
395	8.4549E-06	1.2096E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
396	8.4549E-06	1.0982E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
397	8.4549E-06	9.9041E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
398	8.4549E-06	8.8958E-06	1.05E-03	9.30E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
399	8.4549E-06	7.4469E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
400	8.4549E-06	8.3762E-06	1.05E-03	8.75E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
401	8.4549E-06	9.4555E-06	1.05E-03	9.88E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
402	8.4549E-06	1.0693E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
403	8.4549E-06	1.2088E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
404	8.4549E-06	1.3605E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.47E-09	1,000,000	4.47E-03
405	8.4549E-06	1.5186E-05	1.05E-03	1.59E-08	2.00	1.57E-01	4.99E-09	1,000,000	4.99E-03
406	8.4549E-06	1.671E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
407	8.4549E-06	1.7985E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
408	8.4549E-06	1.8823E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03
409	8.4549E-06	1.9013E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.25E-09	1,000,000	6.25E-03
410	8.4549E-06	1.85E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	1.745E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
412	8.4549E-06	1.6042E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.27E-09	1,000,000	5.27E-03
413	8.4549E-06	1.4432E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
414	8.4549E-06	1.2839E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
415	8.4549E-06	1.1349E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.73E-09	1,000,000	3.73E-03
416	8.4549E-06	9.9883E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
417	8.4549E-06	8.053E-06	1.05E-03	8.42E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
418	8.4549E-06	9.174E-06	1.05E-03	9.59E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
419	8.4549E-06	1.0516E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
420	8.4549E-06	1.2112E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.98E-09	1,000,000	3.98E-03
421	8.4549E-06	1.3995E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
422	8.4549E-06	1.6173E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.31E-09	1,000,000	5.31E-03
423	8.4549E-06	1.8574E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.10E-09	1,000,000	6.10E-03
424	8.4549E-06	2.1014E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.90E-09	1,000,000	6.90E-03
425	8.4549E-06	2.3146E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.60E-09	1,000,000	7.60E-03
426	8.4549E-06	2.4604E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.08E-09	1,000,000	8.08E-03
427	8.4549E-06	2.4918E-05	1.05E-03	2.60E-08	2.00	1.57E-01	8.19E-09	1,000,000	8.19E-03
428	8.4549E-06	2.4067E-05	1.05E-03	2.52E-08	2.00	1.57E-01	7.91E-09	1,000,000	7.91E-03
429	8.4549E-06	2.2251E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.31E-09	1,000,000	7.31E-03
430	8.4549E-06	1.9886E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.53E-09	1,000,000	6.53E-03
431	8.4549E-06	1.7414E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.72E-09	1,000,000	5.72E-03
432	8.4549E-06	1.5094E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.96E-09	1,000,000	4.96E-03
433	8.4549E-06	1.3085E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.30E-09	1,000,000	4.30E-03
434	8.4549E-06	1.1304E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
435	8.4549E-06	8.6472E-06	1.05E-03	9.04E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
436	8.4549E-06	9.9824E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
437	8.4549E-06	1.1633E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
438	8.4549E-06	1.3676E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
439	8.4549E-06	1.6218E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.33E-09	1,000,000	5.33E-03
440	8.4549E-06	1.9337E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.35E-09	1,000,000	6.35E-03
441	8.4549E-06	2.304E-05	1.05E-03	2.41E-08	2.00	1.57E-01	7.57E-09	1,000,000	7.57E-03
442	8.4549E-06	2.7139E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.91E-09	1,000,000	8.91E-03
443	8.4549E-06	3.1073E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	3.386E-05	1.05E-03	3.54E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
445	8.4549E-06	3.4528E-05	1.05E-03	3.61E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
446	8.4549E-06	3.2835E-05	1.05E-03	3.43E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
447	8.4549E-06	2.9408E-05	1.05E-03	3.07E-08	2.00	1.57E-01	9.66E-09	1,000,000	9.66E-03
448	8.4549E-06	2.5238E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.29E-09	1,000,000	8.29E-03
449	8.4549E-06	2.1301E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.00E-09	1,000,000	7.00E-03
450	8.4549E-06	1.7894E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.88E-09	1,000,000	5.88E-03
451	8.4549E-06	1.4986E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.92E-09	1,000,000	4.92E-03
452	8.4549E-06	1.2716E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.18E-09	1,000,000	4.18E-03
453	8.4549E-06	9.2005E-06	1.05E-03	9.62E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
454	8.4549E-06	1.0755E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
455	8.4549E-06	1.2744E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
456	8.4549E-06	1.5319E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.03E-09	1,000,000	5.03E-03
457	8.4549E-06	1.8693E-05	1.05E-03	1.95E-08	2.00	1.57E-01	6.14E-09	1,000,000	6.14E-03
458	8.4549E-06	2.3144E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.60E-09	1,000,000	7.60E-03
459	8.4549E-06	2.8932E-05	1.05E-03	3.02E-08	2.00	1.57E-01	9.50E-09	1,000,000	9.50E-03
460	8.4549E-06	3.6105E-05	1.05E-03	3.77E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
461	8.4549E-06	4.3892E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
462	8.4549E-06	5.0116E-05	1.05E-03	5.24E-08	2.00	1.57E-01	1.65E-08	1,000,000	1.65E-02
463	8.4549E-06	5.1795E-05	1.05E-03	5.41E-08	2.00	1.57E-01	1.70E-08	1,000,000	1.70E-02
464	8.4549E-06	4.7855E-05	1.05E-03	5.00E-08	2.00	1.57E-01	1.57E-08	1,000,000	1.57E-02
465	8.4549E-06	4.0563E-05	1.05E-03	4.24E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
466	8.4549E-06	3.2866E-05	1.05E-03	3.44E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
467	8.4549E-06	2.6311E-05	1.05E-03	2.75E-08	2.00	1.57E-01	8.64E-09	1,000,000	8.64E-03
468	8.4549E-06	2.1158E-05	1.05E-03	2.21E-08	2.00	1.57E-01	6.95E-09	1,000,000	6.95E-03
469	8.4549E-06	1.7238E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.66E-09	1,000,000	5.66E-03
470	8.4549E-06	1.4267E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
471	8.4549E-06	8.6846E-06	1.05E-03	9.08E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
472	8.4549E-06	1.1069E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
473	8.4549E-06	1.3758E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
474	8.4549E-06	1.6878E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.54E-09	1,000,000	5.54E-03
475	8.4549E-06	2.1202E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.96E-09	1,000,000	6.96E-03
476	8.4549E-06	4.3609E-05	1.05E-03	4.56E-08	2.00	1.57E-01	1.43E-08	1,000,000	1.43E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	3.242E-05	1.05E-03	3.39E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
478	8.4549E-06	2.5037E-05	1.05E-03	2.62E-08	2.00	1.57E-01	8.22E-09	1,000,000	8.22E-03
479	8.4549E-06	1.9748E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
480	8.4549E-06	1.5929E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
481	8.4549E-06	8.4252E-06	1.05E-03	8.81E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
482	8.4549E-06	1.0538E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
483	8.4549E-06	1.2994E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.27E-09	1,000,000	4.27E-03
484	8.4549E-06	1.709E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.61E-09	1,000,000	5.61E-03
485	8.4549E-06	2.3433E-05	1.05E-03	2.45E-08	2.00	1.57E-01	7.70E-09	1,000,000	7.70E-03
486	8.4549E-06	5.804E-05	1.05E-03	6.07E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
487	8.4549E-06	4.0148E-05	1.05E-03	4.20E-08	2.00	1.57E-01	1.32E-08	1,000,000	1.32E-02
488	8.4549E-06	2.9258E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.61E-09	1,000,000	9.61E-03
489	8.4549E-06	2.2388E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.35E-09	1,000,000	7.35E-03
490	8.4549E-06	1.7684E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.81E-09	1,000,000	5.81E-03
491	8.4549E-06	7.8681E-06	1.05E-03	8.22E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
492	8.4549E-06	9.8452E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
493	8.4549E-06	1.2224E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.02E-09	1,000,000	4.02E-03
494	8.4549E-06	1.5936E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
495	8.4549E-06	2.1986E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.22E-09	1,000,000	7.22E-03
496	8.4549E-06	8.7029E-05	1.05E-03	9.10E-08	2.00	1.57E-01	2.86E-08	1,000,000	2.86E-02
497	8.4549E-06	0.00018292	1.05E-03	1.91E-07	2.00	1.57E-01	6.01E-08	1,000,000	6.01E-02
498	8.4549E-06	0.00014102	1.05E-03	1.47E-07	2.00	1.57E-01	4.63E-08	1,000,000	4.63E-02
499	8.4549E-06	7.7086E-05	1.05E-03	8.06E-08	2.00	1.57E-01	2.53E-08	1,000,000	2.53E-02
500	8.4549E-06	4.8598E-05	1.05E-03	5.08E-08	2.00	1.57E-01	1.60E-08	1,000,000	1.60E-02
501	8.4549E-06	3.3805E-05	1.05E-03	3.53E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
502	8.4549E-06	2.5016E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.22E-09	1,000,000	8.22E-03
503	8.4549E-06	1.937E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.36E-09	1,000,000	6.36E-03
504	8.4549E-06	7.0772E-06	1.05E-03	7.40E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
505	8.4549E-06	8.5364E-06	1.05E-03	8.92E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
506	8.4549E-06	1.1293E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
507	8.4549E-06	1.442E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
508	8.4549E-06	2.06E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.77E-09	1,000,000	6.77E-03
509	8.4549E-06	2.959E-05	1.05E-03	3.09E-08	2.00	1.57E-01	9.72E-09	1,000,000	9.72E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	4.6614E-05	1.05E-03	4.87E-08	2.00	1.57E-01	1.53E-08	1,000,000	1.53E-02
511	8.4549E-06	8.9243E-05	1.05E-03	9.33E-08	2.00	1.57E-01	2.93E-08	1,000,000	2.93E-02
512	8.4549E-06	0.00021611	1.05E-03	2.26E-07	2.00	1.57E-01	7.10E-08	1,000,000	7.10E-02
513	8.4549E-06	0.00142732	1.05E-03	1.49E-06	2.00	1.57E-01	4.69E-07	1,000,000	4.69E-01
514	8.4549E-06	0.00188625	1.05E-03	1.97E-06	2.00	1.57E-01	6.20E-07	1,000,000	6.20E-01
515	8.4549E-06	0.00065015	1.05E-03	6.80E-07	2.00	1.57E-01	2.14E-07	1,000,000	2.14E-01
516	8.4549E-06	0.00018424	1.05E-03	1.93E-07	2.00	1.57E-01	6.05E-08	1,000,000	6.05E-02
517	8.4549E-06	9.0249E-05	1.05E-03	9.43E-08	2.00	1.57E-01	2.96E-08	1,000,000	2.96E-02
518	8.4549E-06	5.4629E-05	1.05E-03	5.71E-08	2.00	1.57E-01	1.79E-08	1,000,000	1.79E-02
519	8.4549E-06	3.705E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
520	8.4549E-06	2.6992E-05	1.05E-03	2.82E-08	2.00	1.57E-01	8.87E-09	1,000,000	8.87E-03
521	8.4549E-06	2.0666E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
522	8.4549E-06	6.2345E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
523	8.4549E-06	7.7437E-06	1.05E-03	8.09E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
524	8.4549E-06	9.8141E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
525	8.4549E-06	1.2684E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.17E-09	1,000,000	4.17E-03
526	8.4549E-06	1.6475E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.41E-09	1,000,000	5.41E-03
527	8.4549E-06	2.5655E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.43E-09	1,000,000	8.43E-03
528	8.4549E-06	3.9334E-05	1.05E-03	4.11E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
529	8.4549E-06	6.6574E-05	1.05E-03	6.96E-08	2.00	1.57E-01	2.19E-08	1,000,000	2.19E-02
530	8.4549E-06	0.00013496	1.05E-03	1.41E-07	2.00	1.57E-01	4.43E-08	1,000,000	4.43E-02
531	8.4549E-06	0.00027044	1.05E-03	2.83E-07	2.00	1.57E-01	8.88E-08	1,000,000	8.88E-02
532	8.4549E-06	0.00034642	1.05E-03	3.62E-07	2.00	1.57E-01	1.14E-07	1,000,000	1.14E-01
533	8.4549E-06	0.00024673	1.05E-03	2.58E-07	2.00	1.57E-01	8.10E-08	1,000,000	8.10E-02
534	8.4549E-06	0.00013814	1.05E-03	1.44E-07	2.00	1.57E-01	4.54E-08	1,000,000	4.54E-02
535	8.4549E-06	8.1406E-05	1.05E-03	8.51E-08	2.00	1.57E-01	2.67E-08	1,000,000	2.67E-02
536	8.4549E-06	5.2748E-05	1.05E-03	5.51E-08	2.00	1.57E-01	1.73E-08	1,000,000	1.73E-02
537	8.4549E-06	3.6852E-05	1.05E-03	3.85E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
538	8.4549E-06	2.7246E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.95E-09	1,000,000	8.95E-03
539	8.4549E-06	2.1004E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.90E-09	1,000,000	6.90E-03
540	8.4549E-06	5.5E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
541	8.4549E-06	6.7407E-06	1.05E-03	7.05E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
542	8.4549E-06	8.3997E-06	1.05E-03	8.78E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	1.0748E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
544	8.4549E-06	1.4694E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
545	8.4549E-06	2.0033E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.58E-09	1,000,000	6.58E-03
546	8.4549E-06	2.9945E-05	1.05E-03	3.13E-08	2.00	1.57E-01	9.84E-09	1,000,000	9.84E-03
547	8.4549E-06	4.5391E-05	1.05E-03	4.74E-08	2.00	1.57E-01	1.49E-08	1,000,000	1.49E-02
548	8.4549E-06	7.1833E-05	1.05E-03	7.51E-08	2.00	1.57E-01	2.36E-08	1,000,000	2.36E-02
549	8.4549E-06	0.00010764	1.05E-03	1.13E-07	2.00	1.57E-01	3.54E-08	1,000,000	3.54E-02
550	8.4549E-06	0.00012823	1.05E-03	1.34E-07	2.00	1.57E-01	4.21E-08	1,000,000	4.21E-02
551	8.4549E-06	0.0001118	1.05E-03	1.17E-07	2.00	1.57E-01	3.67E-08	1,000,000	3.67E-02
552	8.4549E-06	8.3721E-05	1.05E-03	8.75E-08	2.00	1.57E-01	2.75E-08	1,000,000	2.75E-02
553	8.4549E-06	6.0481E-05	1.05E-03	6.32E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
554	8.4549E-06	4.4123E-05	1.05E-03	4.61E-08	2.00	1.57E-01	1.45E-08	1,000,000	1.45E-02
555	8.4549E-06	3.2992E-05	1.05E-03	3.45E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
556	8.4549E-06	2.5426E-05	1.05E-03	2.66E-08	2.00	1.57E-01	8.35E-09	1,000,000	8.35E-03
557	8.4549E-06	2.0129E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.61E-09	1,000,000	6.61E-03
558	8.4549E-06	4.8696E-06	1.05E-03	5.09E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
559	8.4549E-06	5.9115E-06	1.05E-03	6.18E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
560	8.4549E-06	7.0812E-06	1.05E-03	7.40E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
561	8.4549E-06	8.9574E-06	1.05E-03	9.36E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03
562	8.4549E-06	1.1308E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
563	8.4549E-06	1.5012E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
564	8.4549E-06	2.146E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.05E-09	1,000,000	7.05E-03
565	8.4549E-06	2.968E-05	1.05E-03	3.10E-08	2.00	1.57E-01	9.75E-09	1,000,000	9.75E-03
566	8.4549E-06	4.2687E-05	1.05E-03	4.46E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
567	8.4549E-06	5.4435E-05	1.05E-03	5.69E-08	2.00	1.57E-01	1.79E-08	1,000,000	1.79E-02
568	8.4549E-06	6.4277E-05	1.05E-03	6.72E-08	2.00	1.57E-01	2.11E-08	1,000,000	2.11E-02
569	8.4549E-06	5.7842E-05	1.05E-03	6.05E-08	2.00	1.57E-01	1.90E-08	1,000,000	1.90E-02
570	8.4549E-06	4.9738E-05	1.05E-03	5.20E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
571	8.4549E-06	4.2529E-05	1.05E-03	4.45E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
572	8.4549E-06	3.4407E-05	1.05E-03	3.60E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
573	8.4549E-06	2.7578E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.06E-09	1,000,000	9.06E-03
574	8.4549E-06	2.2327E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.33E-09	1,000,000	7.33E-03
575	8.4549E-06	1.8309E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.01E-09	1,000,000	6.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	4.908E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	2.0E-03
2	8.4549E-06	5.318E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
3	8.4549E-06	5.7628E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
4	8.4549E-06	6.2372E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
5	8.4549E-06	6.7394E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
6	8.4549E-06	7.2583E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
7	8.4549E-06	7.7704E-06	6.05E-04	4.70E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
8	8.4549E-06	8.258E-06	6.05E-04	5.00E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
9	8.4549E-06	8.6999E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
10	8.4549E-06	9.0556E-06	6.05E-04	5.48E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
11	8.4549E-06	9.2969E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
12	8.4549E-06	9.404E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
13	8.4549E-06	9.3647E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
14	8.4549E-06	9.1812E-06	6.05E-04	5.56E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
15	8.4549E-06	8.8719E-06	6.05E-04	5.37E-09	14.00	4.71E-02	3.54E-09	1,000,000	3.54E-03
16	8.4549E-06	8.4561E-06	6.05E-04	5.12E-09	14.00	4.71E-02	3.38E-09	1,000,000	3.38E-03
17	8.4549E-06	7.9883E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
18	8.4549E-06	7.4802E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
19	8.4549E-06	6.9524E-06	6.05E-04	4.21E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
20	8.4549E-06	6.4474E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
21	8.4549E-06	5.9598E-06	6.05E-04	3.61E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	5.4937E-06	6.05E-04	3.32E-09	14.00	4.71E-02	2.19E-09	1,000,000	2.19E-03
23	8.4549E-06	5.2825E-06	6.05E-04	3.20E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
24	8.4549E-06	5.7705E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
25	8.4549E-06	6.3088E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
26	8.4549E-06	6.8972E-06	6.05E-04	4.17E-09	14.00	4.71E-02	2.75E-09	1,000,000	2.75E-03
27	8.4549E-06	7.5297E-06	6.05E-04	4.56E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
28	8.4549E-06	8.2032E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.28E-09	1,000,000	3.28E-03
29	8.4549E-06	8.8811E-06	6.05E-04	5.37E-09	14.00	4.71E-02	3.55E-09	1,000,000	3.55E-03
30	8.4549E-06	9.552E-06	6.05E-04	5.78E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
31	8.4549E-06	1.016E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
32	8.4549E-06	1.0662E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
33	8.4549E-06	1.1004E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
34	8.4549E-06	1.1169E-05	6.05E-04	6.76E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
35	8.4549E-06	1.1123E-05	6.05E-04	6.73E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
36	8.4549E-06	1.0871E-05	6.05E-04	6.58E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
37	8.4549E-06	1.0403E-05	6.05E-04	6.29E-09	14.00	4.71E-02	4.15E-09	1,000,000	4.15E-03
38	8.4549E-06	9.8275E-06	6.05E-04	5.95E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
39	8.4549E-06	9.1939E-06	6.05E-04	5.56E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
40	8.4549E-06	8.5125E-06	6.05E-04	5.15E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
41	8.4549E-06	7.8225E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
42	8.4549E-06	7.1589E-06	6.05E-04	4.33E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
43	8.4549E-06	6.5369E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
44	8.4549E-06	5.9987E-06	6.05E-04	3.63E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
45	8.4549E-06	5.6779E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
46	8.4549E-06	6.2563E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
47	8.4549E-06	6.9085E-06	6.05E-04	4.18E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	7.6384E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
49	8.4549E-06	8.4432E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
50	8.4549E-06	9.3158E-06	6.05E-04	5.64E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
51	8.4549E-06	1.0234E-05	6.05E-04	6.19E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
52	8.4549E-06	1.1158E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
53	8.4549E-06	1.2034E-05	6.05E-04	7.28E-09	14.00	4.71E-02	4.81E-09	1,000,000	4.81E-03
54	8.4549E-06	1.2766E-05	6.05E-04	7.72E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
55	8.4549E-06	1.3287E-05	6.05E-04	8.04E-09	14.00	4.71E-02	5.31E-09	1,000,000	5.31E-03
56	8.4549E-06	1.353E-05	6.05E-04	8.19E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03
57	8.4549E-06	1.3454E-05	6.05E-04	8.14E-09	14.00	4.71E-02	5.37E-09	1,000,000	5.37E-03
58	8.4549E-06	1.3098E-05	6.05E-04	7.93E-09	14.00	4.71E-02	5.23E-09	1,000,000	5.23E-03
59	8.4549E-06	1.2409E-05	6.05E-04	7.51E-09	14.00	4.71E-02	4.96E-09	1,000,000	4.96E-03
60	8.4549E-06	1.1574E-05	6.05E-04	7.00E-09	14.00	4.71E-02	4.62E-09	1,000,000	4.62E-03
61	8.4549E-06	1.0681E-05	6.05E-04	6.46E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
62	8.4549E-06	9.7425E-06	6.05E-04	5.89E-09	14.00	4.71E-02	3.89E-09	1,000,000	3.89E-03
63	8.4549E-06	8.8336E-06	6.05E-04	5.34E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
64	8.4549E-06	7.9904E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
65	8.4549E-06	7.2299E-06	6.05E-04	4.37E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
66	8.4549E-06	6.5496E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
67	8.4549E-06	6.0873E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
68	8.4549E-06	6.7692E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
69	8.4549E-06	7.5561E-06	6.05E-04	4.57E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
70	8.4549E-06	8.4574E-06	6.05E-04	5.12E-09	14.00	4.71E-02	3.38E-09	1,000,000	3.38E-03
71	8.4549E-06	9.4834E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
72	8.4549E-06	1.0632E-05	6.05E-04	6.43E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
73	8.4549E-06	1.1888E-05	6.05E-04	7.19E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
74	8.4549E-06	1.3192E-05	6.05E-04	7.98E-09	14.00	4.71E-02	5.27E-09	1,000,000	5.27E-03
75	8.4549E-06	1.4472E-05	6.05E-04	8.76E-09	14.00	4.71E-02	5.78E-09	1,000,000	5.78E-03
76	8.4549E-06	1.5605E-05	6.05E-04	9.44E-09	14.00	4.71E-02	6.23E-09	1,000,000	6.23E-03
77	8.4549E-06	1.6444E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
78	8.4549E-06	1.6863E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.73E-09	1,000,000	6.73E-03
79	8.4549E-06	1.6725E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.68E-09	1,000,000	6.68E-03
80	8.4549E-06	1.6102E-05	6.05E-04	9.74E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	1.5087E-05	6.05E-04	9.13E-09	14.00	4.71E-02	6.03E-09	1,000,000	6.03E-03
82	8.4549E-06	1.3876E-05	6.05E-04	8.40E-09	14.00	4.71E-02	5.54E-09	1,000,000	5.54E-03
83	8.4549E-06	1.2537E-05	6.05E-04	7.59E-09	14.00	4.71E-02	5.01E-09	1,000,000	5.01E-03
84	8.4549E-06	1.1241E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
85	8.4549E-06	9.978E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
86	8.4549E-06	8.9278E-06	6.05E-04	5.40E-09	14.00	4.71E-02	3.57E-09	1,000,000	3.57E-03
87	8.4549E-06	7.9695E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
88	8.4549E-06	7.144E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
89	8.4549E-06	6.5003E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
90	8.4549E-06	7.2975E-06	6.05E-04	4.42E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
91	8.4549E-06	8.2384E-06	6.05E-04	4.98E-09	14.00	4.71E-02	3.29E-09	1,000,000	3.29E-03
92	8.4549E-06	9.3491E-06	6.05E-04	5.66E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
93	8.4549E-06	1.0654E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
94	8.4549E-06	1.2166E-05	6.05E-04	7.36E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03
95	8.4549E-06	1.3893E-05	6.05E-04	8.41E-09	14.00	4.71E-02	5.55E-09	1,000,000	5.55E-03
96	8.4549E-06	1.5788E-05	6.05E-04	9.55E-09	14.00	4.71E-02	6.30E-09	1,000,000	6.30E-03
97	8.4549E-06	1.7749E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.09E-09	1,000,000	7.09E-03
98	8.4549E-06	1.9563E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.81E-09	1,000,000	7.81E-03
99	8.4549E-06	2.0943E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.36E-09	1,000,000	8.36E-03
100	8.4549E-06	2.163E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.64E-09	1,000,000	8.64E-03
101	8.4549E-06	2.1423E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.56E-09	1,000,000	8.56E-03
102	8.4549E-06	2.0377E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.14E-09	1,000,000	8.14E-03
103	8.4549E-06	1.8757E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.49E-09	1,000,000	7.49E-03
104	8.4549E-06	1.6815E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
105	8.4549E-06	1.4873E-05	6.05E-04	9.00E-09	14.00	4.71E-02	5.94E-09	1,000,000	5.94E-03
106	8.4549E-06	1.3034E-05	6.05E-04	7.89E-09	14.00	4.71E-02	5.20E-09	1,000,000	5.20E-03
107	8.4549E-06	1.1386E-05	6.05E-04	6.89E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
108	8.4549E-06	9.9762E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
109	8.4549E-06	8.7759E-06	6.05E-04	5.31E-09	14.00	4.71E-02	3.50E-09	1,000,000	3.50E-03
110	8.4549E-06	7.7801E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
111	8.4549E-06	6.9012E-06	6.05E-04	4.18E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
112	8.4549E-06	7.8244E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
113	8.4549E-06	8.9368E-06	6.05E-04	5.41E-09	14.00	4.71E-02	3.57E-09	1,000,000	3.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.0288E-05	6.05E-04	6.23E-09	14.00	4.71E-02	4.11E-09	1,000,000	4.11E-03
115	8.4549E-06	1.1933E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
116	8.4549E-06	1.3923E-05	6.05E-04	8.42E-09	14.00	4.71E-02	5.56E-09	1,000,000	5.56E-03
117	8.4549E-06	1.6319E-05	6.05E-04	9.87E-09	14.00	4.71E-02	6.52E-09	1,000,000	6.52E-03
118	8.4549E-06	1.9127E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.64E-09	1,000,000	7.64E-03
119	8.4549E-06	2.2224E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.88E-09	1,000,000	8.88E-03
120	8.4549E-06	2.5307E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
121	8.4549E-06	2.7832E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
122	8.4549E-06	2.9074E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
123	8.4549E-06	2.8689E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
124	8.4549E-06	2.6784E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
125	8.4549E-06	2.3942E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.56E-09	1,000,000	9.56E-03
126	8.4549E-06	2.0761E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.29E-09	1,000,000	8.29E-03
127	8.4549E-06	1.7791E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.10E-09	1,000,000	7.10E-03
128	8.4549E-06	1.5179E-05	6.05E-04	9.18E-09	14.00	4.71E-02	6.06E-09	1,000,000	6.06E-03
129	8.4549E-06	1.2952E-05	6.05E-04	7.84E-09	14.00	4.71E-02	5.17E-09	1,000,000	5.17E-03
130	8.4549E-06	1.1149E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
131	8.4549E-06	9.6562E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
132	8.4549E-06	8.4513E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
133	8.4549E-06	7.2719E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
134	8.4549E-06	8.3198E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
135	8.4549E-06	9.6128E-06	6.05E-04	5.82E-09	14.00	4.71E-02	3.84E-09	1,000,000	3.84E-03
136	8.4549E-06	1.1233E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
137	8.4549E-06	1.3276E-05	6.05E-04	8.03E-09	14.00	4.71E-02	5.30E-09	1,000,000	5.30E-03
138	8.4549E-06	1.5875E-05	6.05E-04	9.61E-09	14.00	4.71E-02	6.34E-09	1,000,000	6.34E-03
139	8.4549E-06	1.9186E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.66E-09	1,000,000	7.66E-03
140	8.4549E-06	2.3377E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.34E-09	1,000,000	9.34E-03
141	8.4549E-06	2.8407E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
142	8.4549E-06	3.3998E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
143	8.4549E-06	3.8997E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
144	8.4549E-06	4.1682E-05	6.05E-04	2.52E-08	14.00	4.71E-02	1.66E-08	1,000,000	1.66E-02
145	8.4549E-06	4.0869E-05	6.05E-04	2.47E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
146	8.4549E-06	3.6919E-05	6.05E-04	2.23E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	3.1529E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
148	8.4549E-06	2.6081E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
149	8.4549E-06	2.1464E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.57E-09	1,000,000	8.57E-03
150	8.4549E-06	1.7665E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
151	8.4549E-06	1.4692E-05	6.05E-04	8.89E-09	14.00	4.71E-02	5.87E-09	1,000,000	5.87E-03
152	8.4549E-06	1.2404E-05	6.05E-04	7.51E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
153	8.4549E-06	1.0587E-05	6.05E-04	6.41E-09	14.00	4.71E-02	4.23E-09	1,000,000	4.23E-03
154	8.4549E-06	9.1464E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
155	8.4549E-06	6.7327E-06	6.05E-04	4.07E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
156	8.4549E-06	8.0769E-06	6.05E-04	4.89E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
157	8.4549E-06	1.0094E-05	6.05E-04	6.11E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
158	8.4549E-06	1.2115E-05	6.05E-04	7.33E-09	14.00	4.71E-02	4.84E-09	1,000,000	4.84E-03
159	8.4549E-06	1.4588E-05	6.05E-04	8.83E-09	14.00	4.71E-02	5.83E-09	1,000,000	5.83E-03
160	8.4549E-06	1.7892E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.15E-09	1,000,000	7.15E-03
161	8.4549E-06	2.239E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03
162	8.4549E-06	2.8578E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
163	8.4549E-06	3.6993E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
164	8.4549E-06	4.7718E-05	6.05E-04	2.89E-08	14.00	4.71E-02	1.91E-08	1,000,000	1.91E-02
165	8.4549E-06	5.8979E-05	6.05E-04	3.57E-08	14.00	4.71E-02	2.36E-08	1,000,000	2.36E-02
166	8.4549E-06	6.5966E-05	6.05E-04	3.99E-08	14.00	4.71E-02	2.63E-08	1,000,000	2.63E-02
167	8.4549E-06	6.3921E-05	6.05E-04	3.87E-08	14.00	4.71E-02	2.55E-08	1,000,000	2.55E-02
168	8.4549E-06	5.4413E-05	6.05E-04	3.29E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
169	8.4549E-06	4.3062E-05	6.05E-04	2.61E-08	14.00	4.71E-02	1.72E-08	1,000,000	1.72E-02
170	8.4549E-06	3.3221E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
171	8.4549E-06	2.5809E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
172	8.4549E-06	2.0551E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.21E-09	1,000,000	8.21E-03
173	8.4549E-06	1.6637E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.64E-09	1,000,000	6.64E-03
174	8.4549E-06	1.3749E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
175	8.4549E-06	1.1577E-05	6.05E-04	7.00E-09	14.00	4.71E-02	4.62E-09	1,000,000	4.62E-03
176	8.4549E-06	9.8824E-06	6.05E-04	5.98E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03
177	8.4549E-06	6.5926E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
178	8.4549E-06	7.9307E-06	6.05E-04	4.80E-09	14.00	4.71E-02	3.17E-09	1,000,000	3.17E-03
179	8.4549E-06	1.0101E-05	6.05E-04	6.11E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	1.2697E-05	6.05E-04	7.68E-09	14.00	4.71E-02	5.07E-09	1,000,000	5.07E-03
181	8.4549E-06	1.5753E-05	6.05E-04	9.53E-09	14.00	4.71E-02	6.29E-09	1,000,000	6.29E-03
182	8.4549E-06	1.9763E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.89E-09	1,000,000	7.89E-03
183	8.4549E-06	2.5583E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
184	8.4549E-06	6.0501E-05	6.05E-04	3.66E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
185	8.4549E-06	4.2288E-05	6.05E-04	2.56E-08	14.00	4.71E-02	1.69E-08	1,000,000	1.69E-02
186	8.4549E-06	3.1198E-05	6.05E-04	1.89E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
187	8.4549E-06	2.3767E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.49E-09	1,000,000	9.49E-03
188	8.4549E-06	1.8709E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.47E-09	1,000,000	7.47E-03
189	8.4549E-06	1.517E-05	6.05E-04	9.18E-09	14.00	4.71E-02	6.06E-09	1,000,000	6.06E-03
190	8.4549E-06	1.2576E-05	6.05E-04	7.61E-09	14.00	4.71E-02	5.02E-09	1,000,000	5.02E-03
191	8.4549E-06	1.0612E-05	6.05E-04	6.42E-09	14.00	4.71E-02	4.24E-09	1,000,000	4.24E-03
192	8.4549E-06	6.2204E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
193	8.4549E-06	7.4752E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
194	8.4549E-06	9.2822E-06	6.05E-04	5.62E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
195	8.4549E-06	1.1611E-05	6.05E-04	7.03E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
196	8.4549E-06	1.5264E-05	6.05E-04	9.24E-09	14.00	4.71E-02	6.10E-09	1,000,000	6.10E-03
197	8.4549E-06	1.9949E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.97E-09	1,000,000	7.97E-03
198	8.4549E-06	2.7809E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
199	8.4549E-06	0.00010363	6.05E-04	6.27E-08	14.00	4.71E-02	4.14E-08	1,000,000	4.14E-02
200	8.4549E-06	8.637E-05	6.05E-04	5.23E-08	14.00	4.71E-02	3.45E-08	1,000,000	3.45E-02
201	8.4549E-06	5.4016E-05	6.05E-04	3.27E-08	14.00	4.71E-02	2.16E-08	1,000,000	2.16E-02
202	8.4549E-06	3.7017E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
203	8.4549E-06	2.7192E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
204	8.4549E-06	2.0873E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.34E-09	1,000,000	8.34E-03
205	8.4549E-06	1.6603E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.63E-09	1,000,000	6.63E-03
206	8.4549E-06	1.357E-05	6.05E-04	8.21E-09	14.00	4.71E-02	5.42E-09	1,000,000	5.42E-03
207	8.4549E-06	1.1341E-05	6.05E-04	6.86E-09	14.00	4.71E-02	4.53E-09	1,000,000	4.53E-03
208	8.4549E-06	5.6878E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
209	8.4549E-06	6.86E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
210	8.4549E-06	8.1413E-06	6.05E-04	4.93E-09	14.00	4.71E-02	3.25E-09	1,000,000	3.25E-03
211	8.4549E-06	1.0514E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
212	8.4549E-06	1.3448E-05	6.05E-04	8.14E-09	14.00	4.71E-02	5.37E-09	1,000,000	5.37E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.8096E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.23E-09	1,000,000	7.23E-03
214	8.4549E-06	2.5834E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
215	8.4549E-06	3.9247E-05	6.05E-04	2.37E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
216	8.4549E-06	6.8333E-05	6.05E-04	4.13E-08	14.00	4.71E-02	2.73E-08	1,000,000	2.73E-02
217	8.4549E-06	0.00013376	6.05E-04	8.09E-08	14.00	4.71E-02	5.34E-08	1,000,000	5.34E-02
218	8.4549E-06	0.00028478	6.05E-04	1.72E-07	14.00	4.71E-02	1.14E-07	1,000,000	1.14E-01
219	8.4549E-06	0.00011701	6.05E-04	7.08E-08	14.00	4.71E-02	4.67E-08	1,000,000	4.67E-02
220	8.4549E-06	6.5738E-05	6.05E-04	3.98E-08	14.00	4.71E-02	2.63E-08	1,000,000	2.63E-02
221	8.4549E-06	4.2784E-05	6.05E-04	2.59E-08	14.00	4.71E-02	1.71E-08	1,000,000	1.71E-02
222	8.4549E-06	3.0361E-05	6.05E-04	1.84E-08	14.00	4.71E-02	1.21E-08	1,000,000	1.21E-02
223	8.4549E-06	2.2822E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.11E-09	1,000,000	9.11E-03
224	8.4549E-06	1.7877E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.14E-09	1,000,000	7.14E-03
225	8.4549E-06	1.4444E-05	6.05E-04	8.74E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
226	8.4549E-06	1.197E-05	6.05E-04	7.24E-09	14.00	4.71E-02	4.78E-09	1,000,000	4.78E-03
227	8.4549E-06	5.1281E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.05E-09	1,000,000	2.05E-03
228	8.4549E-06	6.0742E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
229	8.4549E-06	7.3129E-06	6.05E-04	4.42E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
230	8.4549E-06	9.1363E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
231	8.4549E-06	1.1799E-05	6.05E-04	7.14E-09	14.00	4.71E-02	4.71E-09	1,000,000	4.71E-03
232	8.4549E-06	1.5401E-05	6.05E-04	9.32E-09	14.00	4.71E-02	6.15E-09	1,000,000	6.15E-03
233	8.4549E-06	2.2892E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.14E-09	1,000,000	9.14E-03
234	8.4549E-06	3.4297E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
235	8.4549E-06	5.7312E-05	6.05E-04	3.47E-08	14.00	4.71E-02	2.29E-08	1,000,000	2.29E-02
236	8.4549E-06	0.0001176	6.05E-04	7.12E-08	14.00	4.71E-02	4.70E-08	1,000,000	4.70E-02
237	8.4549E-06	0.00029981	6.05E-04	1.81E-07	14.00	4.71E-02	1.20E-07	1,000,000	1.20E-01
238	8.4549E-06	0.00072497	6.05E-04	4.39E-07	14.00	4.71E-02	2.90E-07	1,000,000	2.90E-01
239	8.4549E-06	0.00063196	6.05E-04	3.82E-07	14.00	4.71E-02	2.52E-07	1,000,000	2.52E-01
240	8.4549E-06	0.00025459	6.05E-04	1.54E-07	14.00	4.71E-02	1.02E-07	1,000,000	1.02E-01
241	8.4549E-06	0.00011913	6.05E-04	7.21E-08	14.00	4.71E-02	4.76E-08	1,000,000	4.76E-02
242	8.4549E-06	6.8699E-05	6.05E-04	4.16E-08	14.00	4.71E-02	2.74E-08	1,000,000	2.74E-02
243	8.4549E-06	4.4889E-05	6.05E-04	2.72E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
244	8.4549E-06	3.1817E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
245	8.4549E-06	2.3856E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.53E-09	1,000,000	9.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	1.8631E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.44E-09	1,000,000	7.44E-03
247	8.4549E-06	1.5009E-05	6.05E-04	9.08E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
248	8.4549E-06	1.2398E-05	6.05E-04	7.50E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
249	8.4549E-06	4.6338E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
250	8.4549E-06	5.411E-06	6.05E-04	3.27E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
251	8.4549E-06	6.4189E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
252	8.4549E-06	7.9934E-06	6.05E-04	4.84E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
253	8.4549E-06	1.0091E-05	6.05E-04	6.11E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
254	8.4549E-06	1.3794E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
255	8.4549E-06	1.8871E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.54E-09	1,000,000	7.54E-03
256	8.4549E-06	2.8993E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
257	8.4549E-06	4.3868E-05	6.05E-04	2.65E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
258	8.4549E-06	7.1305E-05	6.05E-04	4.31E-08	14.00	4.71E-02	2.85E-08	1,000,000	2.85E-02
259	8.4549E-06	0.00012948	6.05E-04	7.83E-08	14.00	4.71E-02	5.17E-08	1,000,000	5.17E-02
260	8.4549E-06	0.00019102	6.05E-04	1.16E-07	14.00	4.71E-02	7.63E-08	1,000,000	7.63E-02
261	8.4549E-06	0.00018468	6.05E-04	1.12E-07	14.00	4.71E-02	7.37E-08	1,000,000	7.37E-02
262	8.4549E-06	0.00013259	6.05E-04	8.02E-08	14.00	4.71E-02	5.29E-08	1,000,000	5.29E-02
263	8.4549E-06	8.7297E-05	6.05E-04	5.28E-08	14.00	4.71E-02	3.49E-08	1,000,000	3.49E-02
264	8.4549E-06	5.8675E-05	6.05E-04	3.55E-08	14.00	4.71E-02	2.34E-08	1,000,000	2.34E-02
265	8.4549E-06	4.1293E-05	6.05E-04	2.50E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
266	8.4549E-06	3.046E-05	6.05E-04	1.84E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
267	8.4549E-06	2.3367E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.33E-09	1,000,000	9.33E-03
268	8.4549E-06	1.8497E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.39E-09	1,000,000	7.39E-03
269	8.4549E-06	1.5023E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
270	8.4549E-06	1.2468E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
271	8.4549E-06	4.089E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
272	8.4549E-06	4.7286E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
273	8.4549E-06	5.633E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
274	8.4549E-06	6.8382E-06	6.05E-04	4.14E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
275	8.4549E-06	8.5382E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
276	8.4549E-06	1.1216E-05	6.05E-04	6.79E-09	14.00	4.71E-02	4.48E-09	1,000,000	4.48E-03
277	8.4549E-06	1.5108E-05	6.05E-04	9.14E-09	14.00	4.71E-02	6.03E-09	1,000,000	6.03E-03
278	8.4549E-06	2.071E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.27E-09	1,000,000	8.27E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	3.0327E-05	6.05E-04	1.83E-08	14.00	4.71E-02	1.21E-08	1,000,000	1.21E-02
280	8.4549E-06	4.4778E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
281	8.4549E-06	6.4147E-05	6.05E-04	3.88E-08	14.00	4.71E-02	2.56E-08	1,000,000	2.56E-02
282	8.4549E-06	8.4221E-05	6.05E-04	5.10E-08	14.00	4.71E-02	3.36E-08	1,000,000	3.36E-02
283	8.4549E-06	8.8033E-05	6.05E-04	5.33E-08	14.00	4.71E-02	3.52E-08	1,000,000	3.52E-02
284	8.4549E-06	7.0704E-05	6.05E-04	4.28E-08	14.00	4.71E-02	2.82E-08	1,000,000	2.82E-02
285	8.4549E-06	5.8087E-05	6.05E-04	3.51E-08	14.00	4.71E-02	2.32E-08	1,000,000	2.32E-02
286	8.4549E-06	4.4579E-05	6.05E-04	2.70E-08	14.00	4.71E-02	1.78E-08	1,000,000	1.78E-02
287	8.4549E-06	3.4373E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
288	8.4549E-06	2.6911E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
289	8.4549E-06	2.1463E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.57E-09	1,000,000	8.57E-03
290	8.4549E-06	1.7443E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.97E-09	1,000,000	6.97E-03
291	8.4549E-06	1.4432E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
292	8.4549E-06	1.2131E-05	6.05E-04	7.34E-09	14.00	4.71E-02	4.84E-09	1,000,000	4.84E-03
293	8.4549E-06	3.6407E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
294	8.4549E-06	4.2134E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
295	8.4549E-06	4.9433E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
296	8.4549E-06	5.8557E-06	6.05E-04	3.54E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
297	8.4549E-06	7.2743E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
298	8.4549E-06	9.1438E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
299	8.4549E-06	1.1808E-05	6.05E-04	7.14E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
300	8.4549E-06	1.6016E-05	6.05E-04	9.69E-09	14.00	4.71E-02	6.40E-09	1,000,000	6.40E-03
301	8.4549E-06	2.0714E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.27E-09	1,000,000	8.27E-03
302	8.4549E-06	2.8841E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
303	8.4549E-06	3.7828E-05	6.05E-04	2.29E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
304	8.4549E-06	4.5568E-05	6.05E-04	2.76E-08	14.00	4.71E-02	1.82E-08	1,000,000	1.82E-02
305	8.4549E-06	4.7559E-05	6.05E-04	2.88E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02
306	8.4549E-06	4.2134E-05	6.05E-04	2.55E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
307	8.4549E-06	3.7546E-05	6.05E-04	2.27E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
308	8.4549E-06	3.2798E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
309	8.4549E-06	2.7457E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
310	8.4549E-06	2.2649E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.04E-09	1,000,000	9.04E-03
311	8.4549E-06	1.8822E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.52E-09	1,000,000	7.52E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.5787E-05	6.05E-04	9.55E-09	14.00	4.71E-02	6.30E-09	1,000,000	6.30E-03
313	8.4549E-06	1.337E-05	6.05E-04	8.09E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
314	8.4549E-06	1.1439E-05	6.05E-04	6.92E-09	14.00	4.71E-02	4.57E-09	1,000,000	4.57E-03
315	8.4549E-06	3.1888E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
316	8.4549E-06	3.6817E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
317	8.4549E-06	4.2761E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
318	8.4549E-06	5.0057E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
319	8.4549E-06	5.8927E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
320	8.4549E-06	7.5202E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
321	8.4549E-06	9.2131E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
322	8.4549E-06	1.1665E-05	6.05E-04	7.06E-09	14.00	4.71E-02	4.66E-09	1,000,000	4.66E-03
323	8.4549E-06	1.5233E-05	6.05E-04	9.22E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03
324	8.4549E-06	1.9377E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.74E-09	1,000,000	7.74E-03
325	8.4549E-06	2.4129E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.64E-09	1,000,000	9.64E-03
326	8.4549E-06	2.8437E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
327	8.4549E-06	3.4583E-05	6.05E-04	2.09E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
328	8.4549E-06	2.7256E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
329	8.4549E-06	2.5131E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
330	8.4549E-06	2.3293E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.30E-09	1,000,000	9.30E-03
331	8.4549E-06	2.1484E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.58E-09	1,000,000	8.58E-03
332	8.4549E-06	1.9073E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.62E-09	1,000,000	7.62E-03
333	8.4549E-06	1.6785E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.70E-09	1,000,000	6.70E-03
334	8.4549E-06	1.3931E-05	6.05E-04	8.43E-09	14.00	4.71E-02	5.56E-09	1,000,000	5.56E-03
335	8.4549E-06	1.2077E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.82E-09	1,000,000	4.82E-03
336	8.4549E-06	1.0531E-05	6.05E-04	6.37E-09	14.00	4.71E-02	4.21E-09	1,000,000	4.21E-03
337	8.4549E-06	2.8731E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
338	8.4549E-06	3.2616E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
339	8.4549E-06	3.6905E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
340	8.4549E-06	4.3259E-06	6.05E-04	2.62E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03
341	8.4549E-06	5.0028E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
342	8.4549E-06	6.1689E-06	6.05E-04	3.73E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
343	8.4549E-06	7.2852E-06	6.05E-04	4.41E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
344	8.4549E-06	8.9568E-06	6.05E-04	5.42E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	1.1052E-05	6.05E-04	6.69E-09	14.00	4.71E-02	4.41E-09	1,000,000	4.41E-03
346	8.4549E-06	1.3848E-05	6.05E-04	8.38E-09	14.00	4.71E-02	5.53E-09	1,000,000	5.53E-03
347	8.4549E-06	1.6192E-05	6.05E-04	9.80E-09	14.00	4.71E-02	6.47E-09	1,000,000	6.47E-03
348	8.4549E-06	1.852E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.40E-09	1,000,000	7.40E-03
349	8.4549E-06	1.7522E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.00E-09	1,000,000	7.00E-03
350	8.4549E-06	1.7596E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.03E-09	1,000,000	7.03E-03
351	8.4549E-06	1.7314E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.91E-09	1,000,000	6.91E-03
352	8.4549E-06	1.6065E-05	6.05E-04	9.72E-09	14.00	4.71E-02	6.42E-09	1,000,000	6.42E-03
353	8.4549E-06	1.5994E-05	6.05E-04	9.68E-09	14.00	4.71E-02	6.39E-09	1,000,000	6.39E-03
354	8.4549E-06	1.4909E-05	6.05E-04	9.02E-09	14.00	4.71E-02	5.95E-09	1,000,000	5.95E-03
355	8.4549E-06	1.3967E-05	6.05E-04	8.45E-09	14.00	4.71E-02	5.58E-09	1,000,000	5.58E-03
356	8.4549E-06	1.2536E-05	6.05E-04	7.59E-09	14.00	4.71E-02	5.01E-09	1,000,000	5.01E-03
357	8.4549E-06	1.1117E-05	6.05E-04	6.73E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
358	8.4549E-06	9.9764E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
359	8.4549E-06	2.5318E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
360	8.4549E-06	2.865E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
361	8.4549E-06	3.2322E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
362	8.4549E-06	3.6732E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
363	8.4549E-06	4.1677E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
364	8.4549E-06	4.928E-06	6.05E-04	2.98E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
365	8.4549E-06	5.8482E-06	6.05E-04	3.54E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
366	8.4549E-06	7.0258E-06	6.05E-04	4.25E-09	14.00	4.71E-02	2.81E-09	1,000,000	2.81E-03
367	8.4549E-06	8.6061E-06	6.05E-04	5.21E-09	14.00	4.71E-02	3.44E-09	1,000,000	3.44E-03
368	8.4549E-06	1.0079E-05	6.05E-04	6.10E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
369	8.4549E-06	1.1234E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
370	8.4549E-06	1.1851E-05	6.05E-04	7.17E-09	14.00	4.71E-02	4.73E-09	1,000,000	4.73E-03
371	8.4549E-06	1.2525E-05	6.05E-04	7.58E-09	14.00	4.71E-02	5.00E-09	1,000,000	5.00E-03
372	8.4549E-06	1.2627E-05	6.05E-04	7.64E-09	14.00	4.71E-02	5.04E-09	1,000,000	5.04E-03
373	8.4549E-06	1.2083E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
374	8.4549E-06	1.1466E-05	6.05E-04	6.94E-09	14.00	4.71E-02	4.58E-09	1,000,000	4.58E-03
375	8.4549E-06	1.1656E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
376	8.4549E-06	1.1273E-05	6.05E-04	6.82E-09	14.00	4.71E-02	4.50E-09	1,000,000	4.50E-03
377	8.4549E-06	1.0986E-05	6.05E-04	6.65E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	1.0697E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
379	8.4549E-06	9.7695E-06	6.05E-04	5.91E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
380	8.4549E-06	9.075E-06	6.05E-04	5.49E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
381	8.4549E-06	6.8582E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
382	8.4549E-06	7.6211E-06	6.05E-04	4.61E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
383	8.4549E-06	8.4813E-06	6.05E-04	5.13E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
384	8.4549E-06	9.4378E-06	6.05E-04	5.71E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
385	8.4549E-06	1.048E-05	6.05E-04	6.34E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
386	8.4549E-06	1.157E-05	6.05E-04	7.00E-09	14.00	4.71E-02	4.62E-09	1,000,000	4.62E-03
387	8.4549E-06	1.2646E-05	6.05E-04	7.65E-09	14.00	4.71E-02	5.05E-09	1,000,000	5.05E-03
388	8.4549E-06	1.3641E-05	6.05E-04	8.25E-09	14.00	4.71E-02	5.45E-09	1,000,000	5.45E-03
389	8.4549E-06	1.4439E-05	6.05E-04	8.74E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
390	8.4549E-06	1.4935E-05	6.05E-04	9.04E-09	14.00	4.71E-02	5.96E-09	1,000,000	5.96E-03
391	8.4549E-06	1.5042E-05	6.05E-04	9.10E-09	14.00	4.71E-02	6.01E-09	1,000,000	6.01E-03
392	8.4549E-06	1.4745E-05	6.05E-04	8.92E-09	14.00	4.71E-02	5.89E-09	1,000,000	5.89E-03
393	8.4549E-06	1.4084E-05	6.05E-04	8.52E-09	14.00	4.71E-02	5.62E-09	1,000,000	5.62E-03
394	8.4549E-06	1.3178E-05	6.05E-04	7.97E-09	14.00	4.71E-02	5.26E-09	1,000,000	5.26E-03
395	8.4549E-06	1.2096E-05	6.05E-04	7.32E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
396	8.4549E-06	1.0982E-05	6.05E-04	6.64E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
397	8.4549E-06	9.9041E-06	6.05E-04	5.99E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
398	8.4549E-06	8.8958E-06	6.05E-04	5.38E-09	14.00	4.71E-02	3.55E-09	1,000,000	3.55E-03
399	8.4549E-06	7.4469E-06	6.05E-04	4.51E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
400	8.4549E-06	8.3762E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.34E-09	1,000,000	3.34E-03
401	8.4549E-06	9.4555E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
402	8.4549E-06	1.0693E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
403	8.4549E-06	1.2088E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
404	8.4549E-06	1.3605E-05	6.05E-04	8.23E-09	14.00	4.71E-02	5.43E-09	1,000,000	5.43E-03
405	8.4549E-06	1.5186E-05	6.05E-04	9.19E-09	14.00	4.71E-02	6.06E-09	1,000,000	6.06E-03
406	8.4549E-06	1.671E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.67E-09	1,000,000	6.67E-03
407	8.4549E-06	1.7985E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
408	8.4549E-06	1.8823E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.52E-09	1,000,000	7.52E-03
409	8.4549E-06	1.9013E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.59E-09	1,000,000	7.59E-03
410	8.4549E-06	1.85E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.39E-09	1,000,000	7.39E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	1.745E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.97E-09	1,000,000	6.97E-03
412	8.4549E-06	1.6042E-05	6.05E-04	9.71E-09	14.00	4.71E-02	6.41E-09	1,000,000	6.41E-03
413	8.4549E-06	1.4432E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
414	8.4549E-06	1.2839E-05	6.05E-04	7.77E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
415	8.4549E-06	1.1349E-05	6.05E-04	6.87E-09	14.00	4.71E-02	4.53E-09	1,000,000	4.53E-03
416	8.4549E-06	9.9883E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
417	8.4549E-06	8.053E-06	6.05E-04	4.87E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
418	8.4549E-06	9.174E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
419	8.4549E-06	1.0516E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
420	8.4549E-06	1.2112E-05	6.05E-04	7.33E-09	14.00	4.71E-02	4.84E-09	1,000,000	4.84E-03
421	8.4549E-06	1.3995E-05	6.05E-04	8.47E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
422	8.4549E-06	1.6173E-05	6.05E-04	9.79E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
423	8.4549E-06	1.8574E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.42E-09	1,000,000	7.42E-03
424	8.4549E-06	2.1014E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.39E-09	1,000,000	8.39E-03
425	8.4549E-06	2.3146E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.24E-09	1,000,000	9.24E-03
426	8.4549E-06	2.4604E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.83E-09	1,000,000	9.83E-03
427	8.4549E-06	2.4918E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.95E-09	1,000,000	9.95E-03
428	8.4549E-06	2.4067E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.61E-09	1,000,000	9.61E-03
429	8.4549E-06	2.2251E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.89E-09	1,000,000	8.89E-03
430	8.4549E-06	1.9886E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.94E-09	1,000,000	7.94E-03
431	8.4549E-06	1.7414E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.95E-09	1,000,000	6.95E-03
432	8.4549E-06	1.5094E-05	6.05E-04	9.13E-09	14.00	4.71E-02	6.03E-09	1,000,000	6.03E-03
433	8.4549E-06	1.3085E-05	6.05E-04	7.92E-09	14.00	4.71E-02	5.23E-09	1,000,000	5.23E-03
434	8.4549E-06	1.1304E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
435	8.4549E-06	8.6472E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
436	8.4549E-06	9.9824E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
437	8.4549E-06	1.1633E-05	6.05E-04	7.04E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
438	8.4549E-06	1.3676E-05	6.05E-04	8.27E-09	14.00	4.71E-02	5.46E-09	1,000,000	5.46E-03
439	8.4549E-06	1.6218E-05	6.05E-04	9.81E-09	14.00	4.71E-02	6.48E-09	1,000,000	6.48E-03
440	8.4549E-06	1.9337E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.72E-09	1,000,000	7.72E-03
441	8.4549E-06	2.304E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.20E-09	1,000,000	9.20E-03
442	8.4549E-06	2.7139E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
443	8.4549E-06	3.1073E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	3.386E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
445	8.4549E-06	3.4528E-05	6.05E-04	2.09E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
446	8.4549E-06	3.2835E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
447	8.4549E-06	2.9408E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
448	8.4549E-06	2.5238E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
449	8.4549E-06	2.1301E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.51E-09	1,000,000	8.51E-03
450	8.4549E-06	1.7894E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.15E-09	1,000,000	7.15E-03
451	8.4549E-06	1.4986E-05	6.05E-04	9.07E-09	14.00	4.71E-02	5.98E-09	1,000,000	5.98E-03
452	8.4549E-06	1.2716E-05	6.05E-04	7.69E-09	14.00	4.71E-02	5.08E-09	1,000,000	5.08E-03
453	8.4549E-06	9.2005E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
454	8.4549E-06	1.0755E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
455	8.4549E-06	1.2744E-05	6.05E-04	7.71E-09	14.00	4.71E-02	5.09E-09	1,000,000	5.09E-03
456	8.4549E-06	1.5319E-05	6.05E-04	9.27E-09	14.00	4.71E-02	6.12E-09	1,000,000	6.12E-03
457	8.4549E-06	1.8693E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.46E-09	1,000,000	7.46E-03
458	8.4549E-06	2.3144E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.24E-09	1,000,000	9.24E-03
459	8.4549E-06	2.8932E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
460	8.4549E-06	3.6105E-05	6.05E-04	2.18E-08	14.00	4.71E-02	1.44E-08	1,000,000	1.44E-02
461	8.4549E-06	4.3892E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
462	8.4549E-06	5.0116E-05	6.05E-04	3.03E-08	14.00	4.71E-02	2.00E-08	1,000,000	2.00E-02
463	8.4549E-06	5.1795E-05	6.05E-04	3.13E-08	14.00	4.71E-02	2.07E-08	1,000,000	2.07E-02
464	8.4549E-06	4.7855E-05	6.05E-04	2.90E-08	14.00	4.71E-02	1.91E-08	1,000,000	1.91E-02
465	8.4549E-06	4.0563E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.62E-08	1,000,000	1.62E-02
466	8.4549E-06	3.2866E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
467	8.4549E-06	2.6311E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
468	8.4549E-06	2.1158E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.45E-09	1,000,000	8.45E-03
469	8.4549E-06	1.7238E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.88E-09	1,000,000	6.88E-03
470	8.4549E-06	1.4267E-05	6.05E-04	8.63E-09	14.00	4.71E-02	5.70E-09	1,000,000	5.70E-03
471	8.4549E-06	8.6846E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
472	8.4549E-06	1.1069E-05	6.05E-04	6.70E-09	14.00	4.71E-02	4.42E-09	1,000,000	4.42E-03
473	8.4549E-06	1.3758E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
474	8.4549E-06	1.6878E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.74E-09	1,000,000	6.74E-03
475	8.4549E-06	2.1202E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.47E-09	1,000,000	8.47E-03
476	8.4549E-06	4.3609E-05	6.05E-04	2.64E-08	14.00	4.71E-02	1.74E-08	1,000,000	1.74E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	3.242E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
478	8.4549E-06	2.5037E-05	6.05E-04	1.51E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
479	8.4549E-06	1.9748E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.89E-09	1,000,000	7.89E-03
480	8.4549E-06	1.5929E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
481	8.4549E-06	8.4252E-06	6.05E-04	5.10E-09	14.00	4.71E-02	3.36E-09	1,000,000	3.36E-03
482	8.4549E-06	1.0538E-05	6.05E-04	6.38E-09	14.00	4.71E-02	4.21E-09	1,000,000	4.21E-03
483	8.4549E-06	1.2994E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.19E-09	1,000,000	5.19E-03
484	8.4549E-06	1.709E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.82E-09	1,000,000	6.82E-03
485	8.4549E-06	2.3433E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.36E-09	1,000,000	9.36E-03
486	8.4549E-06	5.804E-05	6.05E-04	3.51E-08	14.00	4.71E-02	2.32E-08	1,000,000	2.32E-02
487	8.4549E-06	4.0148E-05	6.05E-04	2.43E-08	14.00	4.71E-02	1.60E-08	1,000,000	1.60E-02
488	8.4549E-06	2.9258E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
489	8.4549E-06	2.2388E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03
490	8.4549E-06	1.7684E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.06E-09	1,000,000	7.06E-03
491	8.4549E-06	7.8681E-06	6.05E-04	4.76E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03
492	8.4549E-06	9.8452E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.93E-09	1,000,000	3.93E-03
493	8.4549E-06	1.2224E-05	6.05E-04	7.40E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
494	8.4549E-06	1.5936E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
495	8.4549E-06	2.1986E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.78E-09	1,000,000	8.78E-03
496	8.4549E-06	8.7029E-05	6.05E-04	5.27E-08	14.00	4.71E-02	3.48E-08	1,000,000	3.48E-02
497	8.4549E-06	0.00018292	6.05E-04	1.11E-07	14.00	4.71E-02	7.30E-08	1,000,000	7.30E-02
498	8.4549E-06	0.00014102	6.05E-04	8.53E-08	14.00	4.71E-02	5.63E-08	1,000,000	5.63E-02
499	8.4549E-06	7.7086E-05	6.05E-04	4.66E-08	14.00	4.71E-02	3.08E-08	1,000,000	3.08E-02
500	8.4549E-06	4.8598E-05	6.05E-04	2.94E-08	14.00	4.71E-02	1.94E-08	1,000,000	1.94E-02
501	8.4549E-06	3.3805E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
502	8.4549E-06	2.5016E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.99E-09	1,000,000	9.99E-03
503	8.4549E-06	1.937E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.74E-09	1,000,000	7.74E-03
504	8.4549E-06	7.0772E-06	6.05E-04	4.28E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
505	8.4549E-06	8.5364E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
506	8.4549E-06	1.1293E-05	6.05E-04	6.83E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
507	8.4549E-06	1.442E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
508	8.4549E-06	2.06E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.23E-09	1,000,000	8.23E-03
509	8.4549E-06	2.959E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	4.6614E-05	6.05E-04	2.82E-08	14.00	4.71E-02	1.86E-08	1,000,000	1.86E-02
511	8.4549E-06	8.9243E-05	6.05E-04	5.40E-08	14.00	4.71E-02	3.56E-08	1,000,000	3.56E-02
512	8.4549E-06	0.00021611	6.05E-04	1.31E-07	14.00	4.71E-02	8.63E-08	1,000,000	8.63E-02
513	8.4549E-06	0.00142732	6.05E-04	8.64E-07	14.00	4.71E-02	5.70E-07	1,000,000	5.70E-01
514	8.4549E-06	0.00188625	6.05E-04	1.14E-06	14.00	4.71E-02	7.53E-07	1,000,000	7.53E-01
515	8.4549E-06	0.00065015	6.05E-04	3.93E-07	14.00	4.71E-02	2.60E-07	1,000,000	2.60E-01
516	8.4549E-06	0.00018424	6.05E-04	1.11E-07	14.00	4.71E-02	7.36E-08	1,000,000	7.36E-02
517	8.4549E-06	9.0249E-05	6.05E-04	5.46E-08	14.00	4.71E-02	3.60E-08	1,000,000	3.60E-02
518	8.4549E-06	5.4629E-05	6.05E-04	3.31E-08	14.00	4.71E-02	2.18E-08	1,000,000	2.18E-02
519	8.4549E-06	3.705E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
520	8.4549E-06	2.6992E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
521	8.4549E-06	2.0666E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.25E-09	1,000,000	8.25E-03
522	8.4549E-06	6.2345E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
523	8.4549E-06	7.7437E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
524	8.4549E-06	9.8141E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
525	8.4549E-06	1.2684E-05	6.05E-04	7.67E-09	14.00	4.71E-02	5.07E-09	1,000,000	5.07E-03
526	8.4549E-06	1.6475E-05	6.05E-04	9.97E-09	14.00	4.71E-02	6.58E-09	1,000,000	6.58E-03
527	8.4549E-06	2.5655E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
528	8.4549E-06	3.9334E-05	6.05E-04	2.38E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
529	8.4549E-06	6.6574E-05	6.05E-04	4.03E-08	14.00	4.71E-02	2.66E-08	1,000,000	2.66E-02
530	8.4549E-06	0.00013496	6.05E-04	8.17E-08	14.00	4.71E-02	5.39E-08	1,000,000	5.39E-02
531	8.4549E-06	0.00027044	6.05E-04	1.64E-07	14.00	4.71E-02	1.08E-07	1,000,000	1.08E-01
532	8.4549E-06	0.00034642	6.05E-04	2.10E-07	14.00	4.71E-02	1.38E-07	1,000,000	1.38E-01
533	8.4549E-06	0.00024673	6.05E-04	1.49E-07	14.00	4.71E-02	9.85E-08	1,000,000	9.85E-02
534	8.4549E-06	0.00013814	6.05E-04	8.36E-08	14.00	4.71E-02	5.52E-08	1,000,000	5.52E-02
535	8.4549E-06	8.1406E-05	6.05E-04	4.93E-08	14.00	4.71E-02	3.25E-08	1,000,000	3.25E-02
536	8.4549E-06	5.2748E-05	6.05E-04	3.19E-08	14.00	4.71E-02	2.11E-08	1,000,000	2.11E-02
537	8.4549E-06	3.6852E-05	6.05E-04	2.23E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
538	8.4549E-06	2.7246E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
539	8.4549E-06	2.1004E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.39E-09	1,000,000	8.39E-03
540	8.4549E-06	5.5E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
541	8.4549E-06	6.7407E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
542	8.4549E-06	8.3997E-06	6.05E-04	5.08E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	1.0748E-05	6.05E-04	6.50E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
544	8.4549E-06	1.4694E-05	6.05E-04	8.89E-09	14.00	4.71E-02	5.87E-09	1,000,000	5.87E-03
545	8.4549E-06	2.0033E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.00E-09	1,000,000	8.00E-03
546	8.4549E-06	2.9945E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
547	8.4549E-06	4.5391E-05	6.05E-04	2.75E-08	14.00	4.71E-02	1.81E-08	1,000,000	1.81E-02
548	8.4549E-06	7.1833E-05	6.05E-04	4.35E-08	14.00	4.71E-02	2.87E-08	1,000,000	2.87E-02
549	8.4549E-06	0.00010764	6.05E-04	6.51E-08	14.00	4.71E-02	4.30E-08	1,000,000	4.30E-02
550	8.4549E-06	0.00012823	6.05E-04	7.76E-08	14.00	4.71E-02	5.12E-08	1,000,000	5.12E-02
551	8.4549E-06	0.0001118	6.05E-04	6.76E-08	14.00	4.71E-02	4.46E-08	1,000,000	4.46E-02
552	8.4549E-06	8.3721E-05	6.05E-04	5.07E-08	14.00	4.71E-02	3.34E-08	1,000,000	3.34E-02
553	8.4549E-06	6.0481E-05	6.05E-04	3.66E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
554	8.4549E-06	4.4123E-05	6.05E-04	2.67E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
555	8.4549E-06	3.2992E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
556	8.4549E-06	2.5426E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
557	8.4549E-06	2.0129E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.04E-09	1,000,000	8.04E-03
558	8.4549E-06	4.8696E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
559	8.4549E-06	5.9115E-06	6.05E-04	3.58E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
560	8.4549E-06	7.0812E-06	6.05E-04	4.28E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
561	8.4549E-06	8.9574E-06	6.05E-04	5.42E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03
562	8.4549E-06	1.1308E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
563	8.4549E-06	1.5012E-05	6.05E-04	9.08E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
564	8.4549E-06	2.146E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.57E-09	1,000,000	8.57E-03
565	8.4549E-06	2.968E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
566	8.4549E-06	4.2687E-05	6.05E-04	2.58E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
567	8.4549E-06	5.4435E-05	6.05E-04	3.29E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
568	8.4549E-06	6.4277E-05	6.05E-04	3.89E-08	14.00	4.71E-02	2.57E-08	1,000,000	2.57E-02
569	8.4549E-06	5.7842E-05	6.05E-04	3.50E-08	14.00	4.71E-02	2.31E-08	1,000,000	2.31E-02
570	8.4549E-06	4.9738E-05	6.05E-04	3.01E-08	14.00	4.71E-02	1.99E-08	1,000,000	1.99E-02
571	8.4549E-06	4.2529E-05	6.05E-04	2.57E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
572	8.4549E-06	3.4407E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
573	8.4549E-06	2.7578E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
574	8.4549E-06	2.2327E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.92E-09	1,000,000	8.92E-03
575	8.4549E-06	1.8309E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.31E-09	1,000,000	7.31E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	8.45E-06	4.908E-06	2.50E-04	1.23E-09	1.40E+01	1.57E-02	2.70E-10	1.0E+06	2.7E-04	3.909E-03	Res	1.5024	514
2	8.4549E-06	5.318E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.236E-03			
3	8.4549E-06	5.7628E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.590E-03			
4	8.4549E-06	6.2372E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	4.968E-03			
5	8.4549E-06	6.7394E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.368E-03			
6	8.4549E-06	7.2583E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.781E-03			
7	8.4549E-06	7.7704E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.189E-03			
8	8.4549E-06	8.258E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.55E-10	1,000,000	4.55E-04	6.578E-03			
9	8.4549E-06	8.6999E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.929E-03			
10	8.4549E-06	9.0556E-06	2.50E-04	2.27E-09	14.00	1.57E-02	4.99E-10	1,000,000	4.99E-04	7.213E-03			
11	8.4549E-06	9.2969E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.12E-10	1,000,000	5.12E-04	7.405E-03			
12	8.4549E-06	9.404E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.490E-03			
13	8.4549E-06	9.3647E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.459E-03			
14	8.4549E-06	9.1812E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.06E-10	1,000,000	5.06E-04	7.313E-03			
15	8.4549E-06	8.8719E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.88E-10	1,000,000	4.88E-04	7.066E-03			
16	8.4549E-06	8.4561E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.66E-10	1,000,000	4.66E-04	6.735E-03			
17	8.4549E-06	7.9883E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.363E-03			
18	8.4549E-06	7.4802E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	5.958E-03			
19	8.4549E-06	6.9524E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.538E-03			
20	8.4549E-06	6.4474E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.135E-03			
21	8.4549E-06	5.9598E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.747E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
22	8.4549E-06	5.4937E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.02E-10	1,000,000	3.02E-04	4.376E-03			
23	8.4549E-06	5.2825E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.208E-03			
24	8.4549E-06	5.7705E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.596E-03			
25	8.4549E-06	6.3088E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.025E-03			
26	8.4549E-06	6.8972E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.494E-03			
27	8.4549E-06	7.5297E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.15E-10	1,000,000	4.15E-04	5.997E-03			
28	8.4549E-06	8.2032E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.52E-10	1,000,000	4.52E-04	6.534E-03			
29	8.4549E-06	8.8811E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.89E-10	1,000,000	4.89E-04	7.074E-03			
30	8.4549E-06	9.552E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.26E-10	1,000,000	5.26E-04	7.608E-03			
31	8.4549E-06	1.016E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.092E-03			
32	8.4549E-06	1.0662E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.492E-03			
33	8.4549E-06	1.1004E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.764E-03			
34	8.4549E-06	1.1169E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.15E-10	1,000,000	6.15E-04	8.896E-03			
35	8.4549E-06	1.1123E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.12E-10	1,000,000	6.12E-04	8.859E-03			
36	8.4549E-06	1.0871E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.99E-10	1,000,000	5.99E-04	8.659E-03			
37	8.4549E-06	1.0403E-05	2.50E-04	2.60E-09	14.00	1.57E-02	5.73E-10	1,000,000	5.73E-04	8.286E-03			
38	8.4549E-06	9.8275E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.41E-10	1,000,000	5.41E-04	7.828E-03			
39	8.4549E-06	9.1939E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.06E-10	1,000,000	5.06E-04	7.323E-03			
40	8.4549E-06	8.5125E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.780E-03			
41	8.4549E-06	7.8225E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.231E-03			
42	8.4549E-06	7.1589E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.702E-03			
43	8.4549E-06	6.5369E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.207E-03			
44	8.4549E-06	5.9987E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.30E-10	1,000,000	3.30E-04	4.778E-03			
45	8.4549E-06	5.6779E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.522E-03			
46	8.4549E-06	6.2563E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.44E-10	1,000,000	3.44E-04	4.983E-03			
47	8.4549E-06	6.9085E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.503E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
48	8.4549E-06	7.6384E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.084E-03			
49	8.4549E-06	8.4432E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.725E-03			
50	8.4549E-06	9.3158E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.13E-10	1,000,000	5.13E-04	7.420E-03			
51	8.4549E-06	1.0234E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.64E-10	1,000,000	5.64E-04	8.152E-03			
52	8.4549E-06	1.1158E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.888E-03			
53	8.4549E-06	1.2034E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.63E-10	1,000,000	6.63E-04	9.585E-03			
54	8.4549E-06	1.2766E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.03E-10	1,000,000	7.03E-04	1.017E-02			
55	8.4549E-06	1.3287E-05	2.50E-04	3.33E-09	14.00	1.57E-02	7.32E-10	1,000,000	7.32E-04	1.058E-02			
56	8.4549E-06	1.353E-05	2.50E-04	3.39E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.078E-02			
57	8.4549E-06	1.3454E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.41E-10	1,000,000	7.41E-04	1.072E-02			
58	8.4549E-06	1.3098E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.21E-10	1,000,000	7.21E-04	1.043E-02			
59	8.4549E-06	1.2409E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.884E-03			
60	8.4549E-06	1.1574E-05	2.50E-04	2.90E-09	14.00	1.57E-02	6.37E-10	1,000,000	6.37E-04	9.219E-03			
61	8.4549E-06	1.0681E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.88E-10	1,000,000	5.88E-04	8.507E-03			
62	8.4549E-06	9.7425E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.36E-10	1,000,000	5.36E-04	7.760E-03			
63	8.4549E-06	8.8336E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.86E-10	1,000,000	4.86E-04	7.036E-03			
64	8.4549E-06	7.9904E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.364E-03			
65	8.4549E-06	7.2299E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.98E-10	1,000,000	3.98E-04	5.759E-03			
66	8.4549E-06	6.5496E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.61E-10	1,000,000	3.61E-04	5.217E-03			
67	8.4549E-06	6.0873E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.848E-03			
68	8.4549E-06	6.7692E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.392E-03			
69	8.4549E-06	7.5561E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.018E-03			
70	8.4549E-06	8.4574E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.66E-10	1,000,000	4.66E-04	6.736E-03			
71	8.4549E-06	9.4834E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.554E-03			
72	8.4549E-06	1.0632E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.85E-10	1,000,000	5.85E-04	8.469E-03			
73	8.4549E-06	1.1888E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.55E-10	1,000,000	6.55E-04	9.469E-03			
74	8.4549E-06	1.3192E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.26E-10	1,000,000	7.26E-04	1.051E-02			
75	8.4549E-06	1.4472E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.97E-10	1,000,000	7.97E-04	1.153E-02			
76	8.4549E-06	1.5605E-05	2.50E-04	3.91E-09	14.00	1.57E-02	8.59E-10	1,000,000	8.59E-04	1.243E-02			
77	8.4549E-06	1.6444E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.310E-02			
78	8.4549E-06	1.6863E-05	2.50E-04	4.22E-09	14.00	1.57E-02	9.28E-10	1,000,000	9.28E-04	1.343E-02			
79	8.4549E-06	1.6725E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.21E-10	1,000,000	9.21E-04	1.332E-02			
80	8.4549E-06	1.6102E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.87E-10	1,000,000	8.87E-04	1.283E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
81	8.4549E-06	1.5087E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.31E-10	1,000,000	8.31E-04	1.202E-02			
82	8.4549E-06	1.3876E-05	2.50E-04	3.47E-09	14.00	1.57E-02	7.64E-10	1,000,000	7.64E-04	1.105E-02			
83	8.4549E-06	1.2537E-05	2.50E-04	3.14E-09	14.00	1.57E-02	6.90E-10	1,000,000	6.90E-04	9.986E-03			
84	8.4549E-06	1.1241E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	8.954E-03			
85	8.4549E-06	9.978E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.947E-03			
86	8.4549E-06	8.9278E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.92E-10	1,000,000	4.92E-04	7.111E-03			
87	8.4549E-06	7.9695E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.348E-03			
88	8.4549E-06	7.144E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.690E-03			
89	8.4549E-06	6.5003E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.177E-03			
90	8.4549E-06	7.2975E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.02E-10	1,000,000	4.02E-04	5.812E-03			
91	8.4549E-06	8.2384E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.54E-10	1,000,000	4.54E-04	6.562E-03			
92	8.4549E-06	9.3491E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.15E-10	1,000,000	5.15E-04	7.447E-03			
93	8.4549E-06	1.0654E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.486E-03			
94	8.4549E-06	1.2166E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.70E-10	1,000,000	6.70E-04	9.691E-03			
95	8.4549E-06	1.3893E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.65E-10	1,000,000	7.65E-04	1.107E-02			
96	8.4549E-06	1.5788E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.69E-10	1,000,000	8.69E-04	1.257E-02			
97	8.4549E-06	1.7749E-05	2.50E-04	4.44E-09	14.00	1.57E-02	9.77E-10	1,000,000	9.77E-04	1.414E-02			
98	8.4549E-06	1.9563E-05	2.50E-04	4.90E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.558E-02			
99	8.4549E-06	2.0943E-05	2.50E-04	5.24E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.668E-02			
100	8.4549E-06	2.163E-05	2.50E-04	5.41E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.723E-02			
101	8.4549E-06	2.1423E-05	2.50E-04	5.36E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.706E-02			
102	8.4549E-06	2.0377E-05	2.50E-04	5.10E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.623E-02			
103	8.4549E-06	1.8757E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.494E-02			
104	8.4549E-06	1.6815E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.339E-02			
105	8.4549E-06	1.4873E-05	2.50E-04	3.72E-09	14.00	1.57E-02	8.19E-10	1,000,000	8.19E-04	1.185E-02			
106	8.4549E-06	1.3034E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.18E-10	1,000,000	7.18E-04	1.038E-02			
107	8.4549E-06	1.1386E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.27E-10	1,000,000	6.27E-04	9.069E-03			
108	8.4549E-06	9.9762E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.946E-03			
109	8.4549E-06	8.7759E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.83E-10	1,000,000	4.83E-04	6.990E-03			
110	8.4549E-06	7.7801E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.197E-03			
111	8.4549E-06	6.9012E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.497E-03			
112	8.4549E-06	7.8244E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.232E-03			
113	8.4549E-06	8.9368E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.92E-10	1,000,000	4.92E-04	7.118E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
114	8.4549E-06	1.0288E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.194E-03			
115	8.4549E-06	1.1933E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.505E-03			
116	8.4549E-06	1.3923E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.67E-10	1,000,000	7.67E-04	1.109E-02			
117	8.4549E-06	1.6319E-05	2.50E-04	4.08E-09	14.00	1.57E-02	8.99E-10	1,000,000	8.99E-04	1.300E-02			
118	8.4549E-06	1.9127E-05	2.50E-04	4.79E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.523E-02			
119	8.4549E-06	2.2224E-05	2.50E-04	5.56E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.770E-02			
120	8.4549E-06	2.5307E-05	2.50E-04	6.33E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.016E-02			
121	8.4549E-06	2.7832E-05	2.50E-04	6.97E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.217E-02			
122	8.4549E-06	2.9074E-05	2.50E-04	7.28E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.316E-02			
123	8.4549E-06	2.8689E-05	2.50E-04	7.18E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.285E-02			
124	8.4549E-06	2.6784E-05	2.50E-04	6.70E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.133E-02			
125	8.4549E-06	2.3942E-05	2.50E-04	5.99E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.907E-02			
126	8.4549E-06	2.0761E-05	2.50E-04	5.20E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.654E-02			
127	8.4549E-06	1.7791E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.80E-10	1,000,000	9.80E-04	1.417E-02			
128	8.4549E-06	1.5179E-05	2.50E-04	3.80E-09	14.00	1.57E-02	8.36E-10	1,000,000	8.36E-04	1.209E-02			
129	8.4549E-06	1.2952E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.13E-10	1,000,000	7.13E-04	1.032E-02			
130	8.4549E-06	1.1149E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.880E-03			
131	8.4549E-06	9.6562E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.691E-03			
132	8.4549E-06	8.4513E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.731E-03			
133	8.4549E-06	7.2719E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.792E-03			
134	8.4549E-06	8.3198E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.627E-03			
135	8.4549E-06	9.6128E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.657E-03			
136	8.4549E-06	1.1233E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.18E-10	1,000,000	6.18E-04	8.947E-03			
137	8.4549E-06	1.3276E-05	2.50E-04	3.32E-09	14.00	1.57E-02	7.31E-10	1,000,000	7.31E-04	1.057E-02			
138	8.4549E-06	1.5875E-05	2.50E-04	3.97E-09	14.00	1.57E-02	8.74E-10	1,000,000	8.74E-04	1.264E-02			
139	8.4549E-06	1.9186E-05	2.50E-04	4.80E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.528E-02			
140	8.4549E-06	2.3377E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.862E-02			
141	8.4549E-06	2.8407E-05	2.50E-04	7.11E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.263E-02			
142	8.4549E-06	3.3998E-05	2.50E-04	8.51E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.708E-02			
143	8.4549E-06	3.8997E-05	2.50E-04	9.76E-09	14.00	1.57E-02	2.15E-09	1,000,000	2.15E-03	3.106E-02			
144	8.4549E-06	4.1682E-05	2.50E-04	1.04E-08	14.00	1.57E-02	2.30E-09	1,000,000	2.30E-03	3.320E-02			
145	8.4549E-06	4.0869E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.25E-09	1,000,000	2.25E-03	3.255E-02			
146	8.4549E-06	3.6919E-05	2.50E-04	9.24E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.941E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
147	8.4549E-06	3.1529E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.511E-02			
148	8.4549E-06	2.6081E-05	2.50E-04	6.53E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.077E-02			
149	8.4549E-06	2.1464E-05	2.50E-04	5.37E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.710E-02			
150	8.4549E-06	1.7665E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.73E-10	1,000,000	9.73E-04	1.407E-02			
151	8.4549E-06	1.4692E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.09E-10	1,000,000	8.09E-04	1.170E-02			
152	8.4549E-06	1.2404E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.880E-03			
153	8.4549E-06	1.0587E-05	2.50E-04	2.65E-09	14.00	1.57E-02	5.83E-10	1,000,000	5.83E-04	8.433E-03			
154	8.4549E-06	9.1464E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.04E-10	1,000,000	5.04E-04	7.285E-03			
155	8.4549E-06	6.7327E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.363E-03			
156	8.4549E-06	8.0769E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.45E-10	1,000,000	4.45E-04	6.433E-03			
157	8.4549E-06	1.0094E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.56E-10	1,000,000	5.56E-04	8.040E-03			
158	8.4549E-06	1.2115E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.67E-10	1,000,000	6.67E-04	9.650E-03			
159	8.4549E-06	1.4588E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.162E-02			
160	8.4549E-06	1.7892E-05	2.50E-04	4.48E-09	14.00	1.57E-02	9.85E-10	1,000,000	9.85E-04	1.425E-02			
161	8.4549E-06	2.239E-05	2.50E-04	5.60E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.783E-02			
162	8.4549E-06	2.8578E-05	2.50E-04	7.15E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.276E-02			
163	8.4549E-06	3.6993E-05	2.50E-04	9.26E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	2.946E-02			
164	8.4549E-06	4.7718E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.63E-09	1,000,000	2.63E-03	3.801E-02			
165	8.4549E-06	5.8979E-05	2.50E-04	1.48E-08	14.00	1.57E-02	3.25E-09	1,000,000	3.25E-03	4.698E-02			
166	8.4549E-06	6.5966E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.63E-09	1,000,000	3.63E-03	5.254E-02			
167	8.4549E-06	6.3921E-05	2.50E-04	1.60E-08	14.00	1.57E-02	3.52E-09	1,000,000	3.52E-03	5.091E-02			
168	8.4549E-06	5.4413E-05	2.50E-04	1.36E-08	14.00	1.57E-02	3.00E-09	1,000,000	3.00E-03	4.334E-02			
169	8.4549E-06	4.3062E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.37E-09	1,000,000	2.37E-03	3.430E-02			
170	8.4549E-06	3.3221E-05	2.50E-04	8.31E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.646E-02			
171	8.4549E-06	2.5809E-05	2.50E-04	6.46E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.056E-02			
172	8.4549E-06	2.0551E-05	2.50E-04	5.14E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.637E-02			
173	8.4549E-06	1.6637E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.16E-10	1,000,000	9.16E-04	1.325E-02			
174	8.4549E-06	1.3749E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.095E-02			
175	8.4549E-06	1.1577E-05	2.50E-04	2.90E-09	14.00	1.57E-02	6.37E-10	1,000,000	6.37E-04	9.221E-03			
176	8.4549E-06	9.8824E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.44E-10	1,000,000	5.44E-04	7.871E-03			
177	8.4549E-06	6.5926E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.251E-03			
178	8.4549E-06	7.9307E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.37E-10	1,000,000	4.37E-04	6.317E-03			
179	8.4549E-06	1.0101E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.56E-10	1,000,000	5.56E-04	8.045E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
180	8.4549E-06	1.2697E-05	2.50E-04	3.18E-09	14.00	1.57E-02	6.99E-10	1,000,000	6.99E-04	1.011E-02			
181	8.4549E-06	1.5753E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.67E-10	1,000,000	8.67E-04	1.255E-02			
182	8.4549E-06	1.9763E-05	2.50E-04	4.95E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.574E-02			
183	8.4549E-06	2.5583E-05	2.50E-04	6.40E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.038E-02			
184	8.4549E-06	6.0501E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.33E-09	1,000,000	3.33E-03	4.819E-02			
185	8.4549E-06	4.2288E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.33E-09	1,000,000	2.33E-03	3.368E-02			
186	8.4549E-06	3.1198E-05	2.50E-04	7.81E-09	14.00	1.57E-02	1.72E-09	1,000,000	1.72E-03	2.485E-02			
187	8.4549E-06	2.3767E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.893E-02			
188	8.4549E-06	1.8709E-05	2.50E-04	4.68E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.490E-02			
189	8.4549E-06	1.517E-05	2.50E-04	3.80E-09	14.00	1.57E-02	8.35E-10	1,000,000	8.35E-04	1.208E-02			
190	8.4549E-06	1.2576E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.92E-10	1,000,000	6.92E-04	1.002E-02			
191	8.4549E-06	1.0612E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.84E-10	1,000,000	5.84E-04	8.452E-03			
192	8.4549E-06	6.2204E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.955E-03			
193	8.4549E-06	7.4752E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	5.954E-03			
194	8.4549E-06	9.2822E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.11E-10	1,000,000	5.11E-04	7.393E-03			
195	8.4549E-06	1.1611E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.39E-10	1,000,000	6.39E-04	9.248E-03			
196	8.4549E-06	1.5264E-05	2.50E-04	3.82E-09	14.00	1.57E-02	8.40E-10	1,000,000	8.40E-04	1.216E-02			
197	8.4549E-06	1.9949E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.589E-02			
198	8.4549E-06	2.7809E-05	2.50E-04	6.96E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.215E-02			
199	8.4549E-06	0.00010363	2.50E-04	2.59E-08	14.00	1.57E-02	5.71E-09	1,000,000	5.71E-03	8.254E-02			
200	8.4549E-06	8.637E-05	2.50E-04	2.16E-08	14.00	1.57E-02	4.76E-09	1,000,000	4.76E-03	6.879E-02			
201	8.4549E-06	5.4016E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.97E-09	1,000,000	2.97E-03	4.302E-02			
202	8.4549E-06	3.7017E-05	2.50E-04	9.26E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	2.948E-02			
203	8.4549E-06	2.7192E-05	2.50E-04	6.81E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.166E-02			
204	8.4549E-06	2.0873E-05	2.50E-04	5.22E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.663E-02			
205	8.4549E-06	1.6603E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.14E-10	1,000,000	9.14E-04	1.322E-02			
206	8.4549E-06	1.357E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.47E-10	1,000,000	7.47E-04	1.081E-02			
207	8.4549E-06	1.1341E-05	2.50E-04	2.84E-09	14.00	1.57E-02	6.24E-10	1,000,000	6.24E-04	9.033E-03			
208	8.4549E-06	5.6878E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.530E-03			
209	8.4549E-06	6.86E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.464E-03			
210	8.4549E-06	8.1413E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.48E-10	1,000,000	4.48E-04	6.485E-03			
211	8.4549E-06	1.0514E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.79E-10	1,000,000	5.79E-04	8.375E-03			
212	8.4549E-06	1.3448E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.40E-10	1,000,000	7.40E-04	1.071E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
213	8.4549E-06	1.8096E-05	2.50E-04	4.53E-09	14.00	1.57E-02	9.96E-10	1,000,000	9.96E-04	1.441E-02			
214	8.4549E-06	2.5834E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.058E-02			
215	8.4549E-06	3.9247E-05	2.50E-04	9.82E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.126E-02			
216	8.4549E-06	6.8333E-05	2.50E-04	1.71E-08	14.00	1.57E-02	3.76E-09	1,000,000	3.76E-03	5.443E-02			
217	8.4549E-06	0.00013376	2.50E-04	3.35E-08	14.00	1.57E-02	7.36E-09	1,000,000	7.36E-03	1.065E-01			
218	8.4549E-06	0.00028478	2.50E-04	7.13E-08	14.00	1.57E-02	1.57E-08	1,000,000	1.57E-02	2.268E-01			
219	8.4549E-06	0.00011701	2.50E-04	2.93E-08	14.00	1.57E-02	6.44E-09	1,000,000	6.44E-03	9.320E-02			
220	8.4549E-06	6.5738E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.62E-09	1,000,000	3.62E-03	5.236E-02			
221	8.4549E-06	4.2784E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.36E-09	1,000,000	2.36E-03	3.408E-02			
222	8.4549E-06	3.0361E-05	2.50E-04	7.60E-09	14.00	1.57E-02	1.67E-09	1,000,000	1.67E-03	2.418E-02			
223	8.4549E-06	2.2822E-05	2.50E-04	5.71E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.818E-02			
224	8.4549E-06	1.7877E-05	2.50E-04	4.47E-09	14.00	1.57E-02	9.84E-10	1,000,000	9.84E-04	1.424E-02			
225	8.4549E-06	1.4444E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.95E-10	1,000,000	7.95E-04	1.150E-02			
226	8.4549E-06	1.197E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.59E-10	1,000,000	6.59E-04	9.534E-03			
227	8.4549E-06	5.1281E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.085E-03			
228	8.4549E-06	6.0742E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.34E-10	1,000,000	3.34E-04	4.838E-03			
229	8.4549E-06	7.3129E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.825E-03			
230	8.4549E-06	9.1363E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.277E-03			
231	8.4549E-06	1.1799E-05	2.50E-04	2.95E-09	14.00	1.57E-02	6.50E-10	1,000,000	6.50E-04	9.398E-03			
232	8.4549E-06	1.5401E-05	2.50E-04	3.85E-09	14.00	1.57E-02	8.48E-10	1,000,000	8.48E-04	1.227E-02			
233	8.4549E-06	2.2892E-05	2.50E-04	5.73E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.823E-02			
234	8.4549E-06	3.4297E-05	2.50E-04	8.58E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.732E-02			
235	8.4549E-06	5.7312E-05	2.50E-04	1.43E-08	14.00	1.57E-02	3.16E-09	1,000,000	3.16E-03	4.565E-02			
236	8.4549E-06	0.0001176	2.50E-04	2.94E-08	14.00	1.57E-02	6.48E-09	1,000,000	6.48E-03	9.367E-02			
237	8.4549E-06	0.00029981	2.50E-04	7.50E-08	14.00	1.57E-02	1.65E-08	1,000,000	1.65E-02	2.388E-01			
238	8.4549E-06	0.00072497	2.50E-04	1.81E-07	14.00	1.57E-02	3.99E-08	1,000,000	3.99E-02	5.774E-01			
239	8.4549E-06	0.00063196	2.50E-04	1.58E-07	14.00	1.57E-02	3.48E-08	1,000,000	3.48E-02	5.034E-01			
240	8.4549E-06	0.00025459	2.50E-04	6.37E-08	14.00	1.57E-02	1.40E-08	1,000,000	1.40E-02	2.028E-01			
241	8.4549E-06	0.00011913	2.50E-04	2.98E-08	14.00	1.57E-02	6.56E-09	1,000,000	6.56E-03	9.489E-02			
242	8.4549E-06	6.8699E-05	2.50E-04	1.72E-08	14.00	1.57E-02	3.78E-09	1,000,000	3.78E-03	5.472E-02			
243	8.4549E-06	4.4889E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.575E-02			
244	8.4549E-06	3.1817E-05	2.50E-04	7.96E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.534E-02			
245	8.4549E-06	2.3856E-05	2.50E-04	5.97E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.900E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
246	8.4549E-06	1.8631E-05	2.50E-04	4.66E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.484E-02			
247	8.4549E-06	1.5009E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.26E-10	1,000,000	8.26E-04	1.195E-02			
248	8.4549E-06	1.2398E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.875E-03			
249	8.4549E-06	4.6338E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.691E-03			
250	8.4549E-06	5.411E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.310E-03			
251	8.4549E-06	6.4189E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.113E-03			
252	8.4549E-06	7.9934E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.367E-03			
253	8.4549E-06	1.0091E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.56E-10	1,000,000	5.56E-04	8.037E-03			
254	8.4549E-06	1.3794E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.59E-10	1,000,000	7.59E-04	1.099E-02			
255	8.4549E-06	1.8871E-05	2.50E-04	4.72E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.503E-02			
256	8.4549E-06	2.8993E-05	2.50E-04	7.26E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.309E-02			
257	8.4549E-06	4.3868E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.494E-02			
258	8.4549E-06	7.1305E-05	2.50E-04	1.78E-08	14.00	1.57E-02	3.93E-09	1,000,000	3.93E-03	5.679E-02			
259	8.4549E-06	0.00012948	2.50E-04	3.24E-08	14.00	1.57E-02	7.13E-09	1,000,000	7.13E-03	1.031E-01			
260	8.4549E-06	0.00019102	2.50E-04	4.78E-08	14.00	1.57E-02	1.05E-08	1,000,000	1.05E-02	1.521E-01			
261	8.4549E-06	0.00018468	2.50E-04	4.62E-08	14.00	1.57E-02	1.02E-08	1,000,000	1.02E-02	1.471E-01			
262	8.4549E-06	0.00013259	2.50E-04	3.32E-08	14.00	1.57E-02	7.30E-09	1,000,000	7.30E-03	1.056E-01			
263	8.4549E-06	8.7297E-05	2.50E-04	2.18E-08	14.00	1.57E-02	4.81E-09	1,000,000	4.81E-03	6.953E-02			
264	8.4549E-06	5.8675E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.23E-09	1,000,000	3.23E-03	4.673E-02			
265	8.4549E-06	4.1293E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.27E-09	1,000,000	2.27E-03	3.289E-02			
266	8.4549E-06	3.046E-05	2.50E-04	7.62E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.426E-02			
267	8.4549E-06	2.3367E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.861E-02			
268	8.4549E-06	1.8497E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.473E-02			
269	8.4549E-06	1.5023E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.197E-02			
270	8.4549E-06	1.2468E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.931E-03			
271	8.4549E-06	4.089E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.257E-03			
272	8.4549E-06	4.7286E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.766E-03			
273	8.4549E-06	5.633E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.487E-03			
274	8.4549E-06	6.8382E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.447E-03			
275	8.4549E-06	8.5382E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.801E-03			
276	8.4549E-06	1.1216E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.18E-10	1,000,000	6.18E-04	8.934E-03			
277	8.4549E-06	1.5108E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.32E-10	1,000,000	8.32E-04	1.203E-02			
278	8.4549E-06	2.071E-05	2.50E-04	5.18E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.650E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
279	8.4549E-06	3.0327E-05	2.50E-04	7.59E-09	14.00	1.57E-02	1.67E-09	1,000,000	1.67E-03	2.416E-02			
280	8.4549E-06	4.4778E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.567E-02			
281	8.4549E-06	6.4147E-05	2.50E-04	1.61E-08	14.00	1.57E-02	3.53E-09	1,000,000	3.53E-03	5.109E-02			
282	8.4549E-06	8.4221E-05	2.50E-04	2.11E-08	14.00	1.57E-02	4.64E-09	1,000,000	4.64E-03	6.708E-02			
283	8.4549E-06	8.8033E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.85E-09	1,000,000	4.85E-03	7.012E-02			
284	8.4549E-06	7.0704E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.89E-09	1,000,000	3.89E-03	5.632E-02			
285	8.4549E-06	5.8087E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.20E-09	1,000,000	3.20E-03	4.627E-02			
286	8.4549E-06	4.4579E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.45E-09	1,000,000	2.45E-03	3.551E-02			
287	8.4549E-06	3.4373E-05	2.50E-04	8.60E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.738E-02			
288	8.4549E-06	2.6911E-05	2.50E-04	6.74E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.143E-02			
289	8.4549E-06	2.1463E-05	2.50E-04	5.37E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.710E-02			
290	8.4549E-06	1.7443E-05	2.50E-04	4.37E-09	14.00	1.57E-02	9.60E-10	1,000,000	9.60E-04	1.389E-02			
291	8.4549E-06	1.4432E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.95E-10	1,000,000	7.95E-04	1.150E-02			
292	8.4549E-06	1.2131E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.68E-10	1,000,000	6.68E-04	9.662E-03			
293	8.4549E-06	3.6407E-06	2.50E-04	9.11E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.900E-03			
294	8.4549E-06	4.2134E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.356E-03			
295	8.4549E-06	4.9433E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.937E-03			
296	8.4549E-06	5.8557E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.664E-03			
297	8.4549E-06	7.2743E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.01E-10	1,000,000	4.01E-04	5.794E-03			
298	8.4549E-06	9.1438E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.283E-03			
299	8.4549E-06	1.1808E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.50E-10	1,000,000	6.50E-04	9.405E-03			
300	8.4549E-06	1.6016E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.82E-10	1,000,000	8.82E-04	1.276E-02			
301	8.4549E-06	2.0714E-05	2.50E-04	5.18E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.650E-02			
302	8.4549E-06	2.8841E-05	2.50E-04	7.22E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.297E-02			
303	8.4549E-06	3.7828E-05	2.50E-04	9.47E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.013E-02			
304	8.4549E-06	4.5568E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.51E-09	1,000,000	2.51E-03	3.629E-02			
305	8.4549E-06	4.7559E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.62E-09	1,000,000	2.62E-03	3.788E-02			
306	8.4549E-06	4.2134E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.32E-09	1,000,000	2.32E-03	3.356E-02			
307	8.4549E-06	3.7546E-05	2.50E-04	9.40E-09	14.00	1.57E-02	2.07E-09	1,000,000	2.07E-03	2.991E-02			
308	8.4549E-06	3.2798E-05	2.50E-04	8.21E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.612E-02			
309	8.4549E-06	2.7457E-05	2.50E-04	6.87E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.187E-02			
310	8.4549E-06	2.2649E-05	2.50E-04	5.67E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.804E-02			
311	8.4549E-06	1.8822E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.499E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
312	8.4549E-06	1.5787E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.69E-10	1,000,000	8.69E-04	1.257E-02			
313	8.4549E-06	1.337E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.36E-10	1,000,000	7.36E-04	1.065E-02			
314	8.4549E-06	1.1439E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.30E-10	1,000,000	6.30E-04	9.111E-03			
315	8.4549E-06	3.1888E-06	2.50E-04	7.98E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.540E-03			
316	8.4549E-06	3.6817E-06	2.50E-04	9.21E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.932E-03			
317	8.4549E-06	4.2761E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.406E-03			
318	8.4549E-06	5.0057E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	3.987E-03			
319	8.4549E-06	5.8927E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.24E-10	1,000,000	3.24E-04	4.694E-03			
320	8.4549E-06	7.5202E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	5.990E-03			
321	8.4549E-06	9.2131E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.338E-03			
322	8.4549E-06	1.1665E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.291E-03			
323	8.4549E-06	1.5233E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.213E-02			
324	8.4549E-06	1.9377E-05	2.50E-04	4.85E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.543E-02			
325	8.4549E-06	2.4129E-05	2.50E-04	6.04E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.922E-02			
326	8.4549E-06	2.8437E-05	2.50E-04	7.12E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.265E-02			
327	8.4549E-06	3.4583E-05	2.50E-04	8.66E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.755E-02			
328	8.4549E-06	2.7256E-05	2.50E-04	6.82E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.171E-02			
329	8.4549E-06	2.5131E-05	2.50E-04	6.29E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.002E-02			
330	8.4549E-06	2.3293E-05	2.50E-04	5.83E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.855E-02			
331	8.4549E-06	2.1484E-05	2.50E-04	5.38E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.711E-02			
332	8.4549E-06	1.9073E-05	2.50E-04	4.77E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.519E-02			
333	8.4549E-06	1.6785E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.24E-10	1,000,000	9.24E-04	1.337E-02			
334	8.4549E-06	1.3931E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.67E-10	1,000,000	7.67E-04	1.110E-02			
335	8.4549E-06	1.2077E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.65E-10	1,000,000	6.65E-04	9.619E-03			
336	8.4549E-06	1.0531E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.80E-10	1,000,000	5.80E-04	8.388E-03			
337	8.4549E-06	2.8731E-06	2.50E-04	7.19E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.288E-03			
338	8.4549E-06	3.2616E-06	2.50E-04	8.16E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.598E-03			
339	8.4549E-06	3.6905E-06	2.50E-04	9.24E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.939E-03			
340	8.4549E-06	4.3259E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.446E-03			
341	8.4549E-06	5.0028E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	3.985E-03			
342	8.4549E-06	6.1689E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.914E-03			
343	8.4549E-06	7.2852E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.01E-10	1,000,000	4.01E-04	5.803E-03			
344	8.4549E-06	8.9568E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.93E-10	1,000,000	4.93E-04	7.134E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
345	8.4549E-06	1.1052E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.09E-10	1,000,000	6.09E-04	8.803E-03			
346	8.4549E-06	1.3848E-05	2.50E-04	3.47E-09	14.00	1.57E-02	7.62E-10	1,000,000	7.62E-04	1.103E-02			
347	8.4549E-06	1.6192E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.92E-10	1,000,000	8.92E-04	1.290E-02			
348	8.4549E-06	1.852E-05	2.50E-04	4.64E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.475E-02			
349	8.4549E-06	1.7522E-05	2.50E-04	4.39E-09	14.00	1.57E-02	9.65E-10	1,000,000	9.65E-04	1.396E-02			
350	8.4549E-06	1.7596E-05	2.50E-04	4.40E-09	14.00	1.57E-02	9.69E-10	1,000,000	9.69E-04	1.402E-02			
351	8.4549E-06	1.7314E-05	2.50E-04	4.33E-09	14.00	1.57E-02	9.53E-10	1,000,000	9.53E-04	1.379E-02			
352	8.4549E-06	1.6065E-05	2.50E-04	4.02E-09	14.00	1.57E-02	8.85E-10	1,000,000	8.85E-04	1.280E-02			
353	8.4549E-06	1.5994E-05	2.50E-04	4.00E-09	14.00	1.57E-02	8.81E-10	1,000,000	8.81E-04	1.274E-02			
354	8.4549E-06	1.4909E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.188E-02			
355	8.4549E-06	1.3967E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.69E-10	1,000,000	7.69E-04	1.112E-02			
356	8.4549E-06	1.2536E-05	2.50E-04	3.14E-09	14.00	1.57E-02	6.90E-10	1,000,000	6.90E-04	9.985E-03			
357	8.4549E-06	1.1117E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.12E-10	1,000,000	6.12E-04	8.854E-03			
358	8.4549E-06	9.9764E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.946E-03			
359	8.4549E-06	2.5318E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.017E-03			
360	8.4549E-06	2.865E-06	2.50E-04	7.17E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.282E-03			
361	8.4549E-06	3.2322E-06	2.50E-04	8.09E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.574E-03			
362	8.4549E-06	3.6732E-06	2.50E-04	9.19E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.926E-03			
363	8.4549E-06	4.1677E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.320E-03			
364	8.4549E-06	4.928E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.925E-03			
365	8.4549E-06	5.8482E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.658E-03			
366	8.4549E-06	7.0258E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.87E-10	1,000,000	3.87E-04	5.596E-03			
367	8.4549E-06	8.6061E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.74E-10	1,000,000	4.74E-04	6.855E-03			
368	8.4549E-06	1.0079E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.55E-10	1,000,000	5.55E-04	8.028E-03			
369	8.4549E-06	1.1234E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	8.948E-03			
370	8.4549E-06	1.1851E-05	2.50E-04	2.97E-09	14.00	1.57E-02	6.52E-10	1,000,000	6.52E-04	9.439E-03			
371	8.4549E-06	1.2525E-05	2.50E-04	3.13E-09	14.00	1.57E-02	6.90E-10	1,000,000	6.90E-04	9.976E-03			
372	8.4549E-06	1.2627E-05	2.50E-04	3.16E-09	14.00	1.57E-02	6.95E-10	1,000,000	6.95E-04	1.006E-02			
373	8.4549E-06	1.2083E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.65E-10	1,000,000	6.65E-04	9.624E-03			
374	8.4549E-06	1.1466E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.31E-10	1,000,000	6.31E-04	9.132E-03			
375	8.4549E-06	1.1656E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.284E-03			
376	8.4549E-06	1.1273E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.21E-10	1,000,000	6.21E-04	8.979E-03			
377	8.4549E-06	1.0986E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.750E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
378	8.4549E-06	1.0697E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.520E-03			
379	8.4549E-06	9.7695E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.781E-03			
380	8.4549E-06	9.075E-06	2.50E-04	2.27E-09	14.00	1.57E-02	5.00E-10	1,000,000	5.00E-04	7.228E-03			
381	8.4549E-06	6.8582E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.463E-03			
382	8.4549E-06	7.6211E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.20E-10	1,000,000	4.20E-04	6.070E-03			
383	8.4549E-06	8.4813E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.67E-10	1,000,000	4.67E-04	6.755E-03			
384	8.4549E-06	9.4378E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.517E-03			
385	8.4549E-06	1.048E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.77E-10	1,000,000	5.77E-04	8.348E-03			
386	8.4549E-06	1.157E-05	2.50E-04	2.90E-09	14.00	1.57E-02	6.37E-10	1,000,000	6.37E-04	9.216E-03			
387	8.4549E-06	1.2646E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.96E-10	1,000,000	6.96E-04	1.007E-02			
388	8.4549E-06	1.3641E-05	2.50E-04	3.41E-09	14.00	1.57E-02	7.51E-10	1,000,000	7.51E-04	1.086E-02			
389	8.4549E-06	1.4439E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.95E-10	1,000,000	7.95E-04	1.150E-02			
390	8.4549E-06	1.4935E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.22E-10	1,000,000	8.22E-04	1.190E-02			
391	8.4549E-06	1.5042E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.28E-10	1,000,000	8.28E-04	1.198E-02			
392	8.4549E-06	1.4745E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.12E-10	1,000,000	8.12E-04	1.174E-02			
393	8.4549E-06	1.4084E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.75E-10	1,000,000	7.75E-04	1.122E-02			
394	8.4549E-06	1.3178E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.26E-10	1,000,000	7.26E-04	1.050E-02			
395	8.4549E-06	1.2096E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.66E-10	1,000,000	6.66E-04	9.634E-03			
396	8.4549E-06	1.0982E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.747E-03			
397	8.4549E-06	9.9041E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.45E-10	1,000,000	5.45E-04	7.889E-03			
398	8.4549E-06	8.8958E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.085E-03			
399	8.4549E-06	7.4469E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.931E-03			
400	8.4549E-06	8.3762E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.672E-03			
401	8.4549E-06	9.4555E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.531E-03			
402	8.4549E-06	1.0693E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.517E-03			
403	8.4549E-06	1.2088E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.66E-10	1,000,000	6.66E-04	9.628E-03			
404	8.4549E-06	1.3605E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.49E-10	1,000,000	7.49E-04	1.084E-02			
405	8.4549E-06	1.5186E-05	2.50E-04	3.80E-09	14.00	1.57E-02	8.36E-10	1,000,000	8.36E-04	1.210E-02			
406	8.4549E-06	1.671E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.20E-10	1,000,000	9.20E-04	1.331E-02			
407	8.4549E-06	1.7985E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.433E-02			
408	8.4549E-06	1.8823E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.499E-02			
409	8.4549E-06	1.9013E-05	2.50E-04	4.76E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.514E-02			
410	8.4549E-06	1.85E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.474E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
411	8.4549E-06	1.745E-05	2.50E-04	4.37E-09	14.00	1.57E-02	9.61E-10	1,000,000	9.61E-04	1.390E-02			
412	8.4549E-06	1.6042E-05	2.50E-04	4.02E-09	14.00	1.57E-02	8.83E-10	1,000,000	8.83E-04	1.278E-02			
413	8.4549E-06	1.4432E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.95E-10	1,000,000	7.95E-04	1.150E-02			
414	8.4549E-06	1.2839E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.023E-02			
415	8.4549E-06	1.1349E-05	2.50E-04	2.84E-09	14.00	1.57E-02	6.25E-10	1,000,000	6.25E-04	9.039E-03			
416	8.4549E-06	9.9883E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.50E-10	1,000,000	5.50E-04	7.956E-03			
417	8.4549E-06	8.053E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.414E-03			
418	8.4549E-06	9.174E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.307E-03			
419	8.4549E-06	1.0516E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.79E-10	1,000,000	5.79E-04	8.376E-03			
420	8.4549E-06	1.2112E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.67E-10	1,000,000	6.67E-04	9.648E-03			
421	8.4549E-06	1.3995E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.115E-02			
422	8.4549E-06	1.6173E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.90E-10	1,000,000	8.90E-04	1.288E-02			
423	8.4549E-06	1.8574E-05	2.50E-04	4.65E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.479E-02			
424	8.4549E-06	2.1014E-05	2.50E-04	5.26E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.674E-02			
425	8.4549E-06	2.3146E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.844E-02			
426	8.4549E-06	2.4604E-05	2.50E-04	6.16E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	1.960E-02			
427	8.4549E-06	2.4918E-05	2.50E-04	6.24E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	1.985E-02			
428	8.4549E-06	2.4067E-05	2.50E-04	6.02E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.917E-02			
429	8.4549E-06	2.2251E-05	2.50E-04	5.57E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.772E-02			
430	8.4549E-06	1.9886E-05	2.50E-04	4.98E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.584E-02			
431	8.4549E-06	1.7414E-05	2.50E-04	4.36E-09	14.00	1.57E-02	9.59E-10	1,000,000	9.59E-04	1.387E-02			
432	8.4549E-06	1.5094E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.31E-10	1,000,000	8.31E-04	1.202E-02			
433	8.4549E-06	1.3085E-05	2.50E-04	3.27E-09	14.00	1.57E-02	7.20E-10	1,000,000	7.20E-04	1.042E-02			
434	8.4549E-06	1.1304E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	9.003E-03			
435	8.4549E-06	8.6472E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.887E-03			
436	8.4549E-06	9.9824E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.50E-10	1,000,000	5.50E-04	7.951E-03			
437	8.4549E-06	1.1633E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.266E-03			
438	8.4549E-06	1.3676E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.53E-10	1,000,000	7.53E-04	1.089E-02			
439	8.4549E-06	1.6218E-05	2.50E-04	4.06E-09	14.00	1.57E-02	8.93E-10	1,000,000	8.93E-04	1.292E-02			
440	8.4549E-06	1.9337E-05	2.50E-04	4.84E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.540E-02			
441	8.4549E-06	2.304E-05	2.50E-04	5.77E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.835E-02			
442	8.4549E-06	2.7139E-05	2.50E-04	6.79E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.162E-02			
443	8.4549E-06	3.1073E-05	2.50E-04	7.78E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.475E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
444	8.4549E-06	3.386E-05	2.50E-04	8.47E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.697E-02			
445	8.4549E-06	3.4528E-05	2.50E-04	8.64E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.750E-02			
446	8.4549E-06	3.2835E-05	2.50E-04	8.22E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.615E-02			
447	8.4549E-06	2.9408E-05	2.50E-04	7.36E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.342E-02			
448	8.4549E-06	2.5238E-05	2.50E-04	6.32E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.010E-02			
449	8.4549E-06	2.1301E-05	2.50E-04	5.33E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.697E-02			
450	8.4549E-06	1.7894E-05	2.50E-04	4.48E-09	14.00	1.57E-02	9.85E-10	1,000,000	9.85E-04	1.425E-02			
451	8.4549E-06	1.4986E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.25E-10	1,000,000	8.25E-04	1.194E-02			
452	8.4549E-06	1.2716E-05	2.50E-04	3.18E-09	14.00	1.57E-02	7.00E-10	1,000,000	7.00E-04	1.013E-02			
453	8.4549E-06	9.2005E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.328E-03			
454	8.4549E-06	1.0755E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.566E-03			
455	8.4549E-06	1.2744E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.02E-10	1,000,000	7.02E-04	1.015E-02			
456	8.4549E-06	1.5319E-05	2.50E-04	3.83E-09	14.00	1.57E-02	8.43E-10	1,000,000	8.43E-04	1.220E-02			
457	8.4549E-06	1.8693E-05	2.50E-04	4.68E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.489E-02			
458	8.4549E-06	2.3144E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.843E-02			
459	8.4549E-06	2.8932E-05	2.50E-04	7.24E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.304E-02			
460	8.4549E-06	3.6105E-05	2.50E-04	9.04E-09	14.00	1.57E-02	1.99E-09	1,000,000	1.99E-03	2.876E-02			
461	8.4549E-06	4.3892E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.496E-02			
462	8.4549E-06	5.0116E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.76E-09	1,000,000	2.76E-03	3.992E-02			
463	8.4549E-06	5.1795E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.85E-09	1,000,000	2.85E-03	4.125E-02			
464	8.4549E-06	4.7855E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.63E-09	1,000,000	2.63E-03	3.812E-02			
465	8.4549E-06	4.0563E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.231E-02			
466	8.4549E-06	3.2866E-05	2.50E-04	8.23E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.618E-02			
467	8.4549E-06	2.6311E-05	2.50E-04	6.58E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.096E-02			
468	8.4549E-06	2.1158E-05	2.50E-04	5.30E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.685E-02			
469	8.4549E-06	1.7238E-05	2.50E-04	4.31E-09	14.00	1.57E-02	9.49E-10	1,000,000	9.49E-04	1.373E-02			
470	8.4549E-06	1.4267E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.86E-10	1,000,000	7.86E-04	1.136E-02			
471	8.4549E-06	8.6846E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.917E-03			
472	8.4549E-06	1.1069E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.09E-10	1,000,000	6.09E-04	8.817E-03			
473	8.4549E-06	1.3758E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.096E-02			
474	8.4549E-06	1.6878E-05	2.50E-04	4.22E-09	14.00	1.57E-02	9.29E-10	1,000,000	9.29E-04	1.344E-02			
475	8.4549E-06	2.1202E-05	2.50E-04	5.31E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.689E-02			
476	8.4549E-06	4.3609E-05	2.50E-04	1.09E-08	14.00	1.57E-02	2.40E-09	1,000,000	2.40E-03	3.473E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
477	8.4549E-06	3.242E-05	2.50E-04	8.11E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.582E-02			
478	8.4549E-06	2.5037E-05	2.50E-04	6.27E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	1.994E-02			
479	8.4549E-06	1.9748E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.573E-02			
480	8.4549E-06	1.5929E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.269E-02			
481	8.4549E-06	8.4252E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.64E-10	1,000,000	4.64E-04	6.711E-03			
482	8.4549E-06	1.0538E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.80E-10	1,000,000	5.80E-04	8.394E-03			
483	8.4549E-06	1.2994E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.035E-02			
484	8.4549E-06	1.709E-05	2.50E-04	4.28E-09	14.00	1.57E-02	9.41E-10	1,000,000	9.41E-04	1.361E-02			
485	8.4549E-06	2.3433E-05	2.50E-04	5.86E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.866E-02			
486	8.4549E-06	5.804E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.20E-09	1,000,000	3.20E-03	4.623E-02			
487	8.4549E-06	4.0148E-05	2.50E-04	1.00E-08	14.00	1.57E-02	2.21E-09	1,000,000	2.21E-03	3.198E-02			
488	8.4549E-06	2.9258E-05	2.50E-04	7.32E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.330E-02			
489	8.4549E-06	2.2388E-05	2.50E-04	5.60E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.783E-02			
490	8.4549E-06	1.7684E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.74E-10	1,000,000	9.74E-04	1.408E-02			
491	8.4549E-06	7.8681E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.267E-03			
492	8.4549E-06	9.8452E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.42E-10	1,000,000	5.42E-04	7.842E-03			
493	8.4549E-06	1.2224E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.73E-10	1,000,000	6.73E-04	9.736E-03			
494	8.4549E-06	1.5936E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.269E-02			
495	8.4549E-06	2.1986E-05	2.50E-04	5.50E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.751E-02			
496	8.4549E-06	8.7029E-05	2.50E-04	2.18E-08	14.00	1.57E-02	4.79E-09	1,000,000	4.79E-03	6.932E-02			
497	8.4549E-06	0.00018292	2.50E-04	4.58E-08	14.00	1.57E-02	1.01E-08	1,000,000	1.01E-02	1.457E-01			
498	8.4549E-06	0.00014102	2.50E-04	3.53E-08	14.00	1.57E-02	7.76E-09	1,000,000	7.76E-03	1.123E-01			
499	8.4549E-06	7.7086E-05	2.50E-04	1.93E-08	14.00	1.57E-02	4.24E-09	1,000,000	4.24E-03	6.140E-02			
500	8.4549E-06	4.8598E-05	2.50E-04	1.22E-08	14.00	1.57E-02	2.68E-09	1,000,000	2.68E-03	3.871E-02			
501	8.4549E-06	3.3805E-05	2.50E-04	8.46E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.693E-02			
502	8.4549E-06	2.5016E-05	2.50E-04	6.26E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	1.993E-02			
503	8.4549E-06	1.937E-05	2.50E-04	4.85E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.543E-02			
504	8.4549E-06	7.0772E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.90E-10	1,000,000	3.90E-04	5.637E-03			
505	8.4549E-06	8.5364E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.799E-03			
506	8.4549E-06	1.1293E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	8.994E-03			
507	8.4549E-06	1.442E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.149E-02			
508	8.4549E-06	2.06E-05	2.50E-04	5.16E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.641E-02			
509	8.4549E-06	2.959E-05	2.50E-04	7.41E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.357E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
510	8.4549E-06	4.6614E-05	2.50E-04	1.17E-08	14.00	1.57E-02	2.57E-09	1,000,000	2.57E-03	3.713E-02			
511	8.4549E-06	8.9243E-05	2.50E-04	2.23E-08	14.00	1.57E-02	4.91E-09	1,000,000	4.91E-03	7.108E-02			
512	8.4549E-06	0.00021611	2.50E-04	5.41E-08	14.00	1.57E-02	1.19E-08	1,000,000	1.19E-02	1.721E-01			
513	8.4549E-06	0.00142732	2.50E-04	3.57E-07	14.00	1.57E-02	7.86E-08	1,000,000	7.86E-02	1.137E+00			
514	8.4549E-06	0.00188625	2.50E-04	4.72E-07	14.00	1.57E-02	1.04E-07	1,000,000	1.04E-01	1.502E+00			
515	8.4549E-06	0.00065015	2.50E-04	1.63E-07	14.00	1.57E-02	3.58E-08	1,000,000	3.58E-02	5.178E-01			
516	8.4549E-06	0.00018424	2.50E-04	4.61E-08	14.00	1.57E-02	1.01E-08	1,000,000	1.01E-02	1.467E-01			
517	8.4549E-06	9.0249E-05	2.50E-04	2.26E-08	14.00	1.57E-02	4.97E-09	1,000,000	4.97E-03	7.188E-02			
518	8.4549E-06	5.4629E-05	2.50E-04	1.37E-08	14.00	1.57E-02	3.01E-09	1,000,000	3.01E-03	4.351E-02			
519	8.4549E-06	3.705E-05	2.50E-04	9.27E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	2.951E-02			
520	8.4549E-06	2.6992E-05	2.50E-04	6.76E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.150E-02			
521	8.4549E-06	2.0666E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.646E-02			
522	8.4549E-06	6.2345E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	4.966E-03			
523	8.4549E-06	7.7437E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.26E-10	1,000,000	4.26E-04	6.168E-03			
524	8.4549E-06	9.8141E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.40E-10	1,000,000	5.40E-04	7.817E-03			
525	8.4549E-06	1.2684E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.98E-10	1,000,000	6.98E-04	1.010E-02			
526	8.4549E-06	1.6475E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.07E-10	1,000,000	9.07E-04	1.312E-02			
527	8.4549E-06	2.5655E-05	2.50E-04	6.42E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.043E-02			
528	8.4549E-06	3.9334E-05	2.50E-04	9.84E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.133E-02			
529	8.4549E-06	6.6574E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.67E-09	1,000,000	3.67E-03	5.303E-02			
530	8.4549E-06	0.00013496	2.50E-04	3.38E-08	14.00	1.57E-02	7.43E-09	1,000,000	7.43E-03	1.075E-01			
531	8.4549E-06	0.00027044	2.50E-04	6.77E-08	14.00	1.57E-02	1.49E-08	1,000,000	1.49E-02	2.154E-01			
532	8.4549E-06	0.00034642	2.50E-04	8.67E-08	14.00	1.57E-02	1.91E-08	1,000,000	1.91E-02	2.759E-01			
533	8.4549E-06	0.00024673	2.50E-04	6.18E-08	14.00	1.57E-02	1.36E-08	1,000,000	1.36E-02	1.965E-01			
534	8.4549E-06	0.00013814	2.50E-04	3.46E-08	14.00	1.57E-02	7.61E-09	1,000,000	7.61E-03	1.100E-01			
535	8.4549E-06	8.1406E-05	2.50E-04	2.04E-08	14.00	1.57E-02	4.48E-09	1,000,000	4.48E-03	6.484E-02			
536	8.4549E-06	5.2748E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.90E-09	1,000,000	2.90E-03	4.201E-02			
537	8.4549E-06	3.6852E-05	2.50E-04	9.22E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.935E-02			
538	8.4549E-06	2.7246E-05	2.50E-04	6.82E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.170E-02			
539	8.4549E-06	2.1004E-05	2.50E-04	5.26E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.673E-02			
540	8.4549E-06	5.5E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.381E-03			
541	8.4549E-06	6.7407E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.369E-03			
542	8.4549E-06	8.3997E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.690E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
543	8.4549E-06	1.0748E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.561E-03			
544	8.4549E-06	1.4694E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.09E-10	1,000,000	8.09E-04	1.170E-02			
545	8.4549E-06	2.0033E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.596E-02			
546	8.4549E-06	2.9945E-05	2.50E-04	7.49E-09	14.00	1.57E-02	1.65E-09	1,000,000	1.65E-03	2.385E-02			
547	8.4549E-06	4.5391E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.50E-09	1,000,000	2.50E-03	3.615E-02			
548	8.4549E-06	7.1833E-05	2.50E-04	1.80E-08	14.00	1.57E-02	3.96E-09	1,000,000	3.96E-03	5.722E-02			
549	8.4549E-06	0.00010764	2.50E-04	2.69E-08	14.00	1.57E-02	5.93E-09	1,000,000	5.93E-03	8.574E-02			
550	8.4549E-06	0.00012823	2.50E-04	3.21E-08	14.00	1.57E-02	7.06E-09	1,000,000	7.06E-03	1.021E-01			
551	8.4549E-06	0.0001118	2.50E-04	2.80E-08	14.00	1.57E-02	6.16E-09	1,000,000	6.16E-03	8.905E-02			
552	8.4549E-06	8.3721E-05	2.50E-04	2.10E-08	14.00	1.57E-02	4.61E-09	1,000,000	4.61E-03	6.668E-02			
553	8.4549E-06	6.0481E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.33E-09	1,000,000	3.33E-03	4.817E-02			
554	8.4549E-06	4.4123E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.43E-09	1,000,000	2.43E-03	3.514E-02			
555	8.4549E-06	3.2992E-05	2.50E-04	8.26E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.628E-02			
556	8.4549E-06	2.5426E-05	2.50E-04	6.36E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.025E-02			
557	8.4549E-06	2.0129E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.603E-02			
558	8.4549E-06	4.8696E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.68E-10	1,000,000	2.68E-04	3.879E-03			
559	8.4549E-06	5.9115E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.708E-03			
560	8.4549E-06	7.0812E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.90E-10	1,000,000	3.90E-04	5.640E-03			
561	8.4549E-06	8.9574E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.93E-10	1,000,000	4.93E-04	7.135E-03			
562	8.4549E-06	1.1308E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.23E-10	1,000,000	6.23E-04	9.007E-03			
563	8.4549E-06	1.5012E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.196E-02			
564	8.4549E-06	2.146E-05	2.50E-04	5.37E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.709E-02			
565	8.4549E-06	2.968E-05	2.50E-04	7.43E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.364E-02			
566	8.4549E-06	4.2687E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.35E-09	1,000,000	2.35E-03	3.400E-02			
567	8.4549E-06	5.4435E-05	2.50E-04	1.36E-08	14.00	1.57E-02	3.00E-09	1,000,000	3.00E-03	4.336E-02			
568	8.4549E-06	6.4277E-05	2.50E-04	1.61E-08	14.00	1.57E-02	3.54E-09	1,000,000	3.54E-03	5.120E-02			
569	8.4549E-06	5.7842E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.18E-09	1,000,000	3.18E-03	4.607E-02			
570	8.4549E-06	4.9738E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.74E-09	1,000,000	2.74E-03	3.962E-02			
571	8.4549E-06	4.2529E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.34E-09	1,000,000	2.34E-03	3.387E-02			
572	8.4549E-06	3.4407E-05	2.50E-04	8.61E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.741E-02			
573	8.4549E-06	2.7578E-05	2.50E-04	6.90E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.197E-02			
574	8.4549E-06	2.2327E-05	2.50E-04	5.59E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.778E-02			
575	8.4549E-06	1.8309E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.458E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	9.82E-07		3.773E-04	514
2	5	1.06E-06			
3	5	1.15E-06			
4	5	1.25E-06			
5	5	1.35E-06			
6	5	1.45E-06			
7	5	1.55E-06			
8	5	1.65E-06			
9	5	1.74E-06			
10	5	1.81E-06			
11	5	1.86E-06			
12	5	1.88E-06			
13	5	1.87E-06			
14	5	1.84E-06			
15	5	1.77E-06			
16	5	1.69E-06			
17	5	1.60E-06			
18	5	1.50E-06			
19	5	1.39E-06			
20	5	1.29E-06			
21	5	1.19E-06			

Res

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
22	5	1.10E-06			
23	5	1.06E-06			
24	5	1.15E-06			
25	5	1.26E-06			
26	5	1.38E-06			
27	5	1.51E-06			
28	5	1.64E-06			
29	5	1.78E-06			
30	5	1.91E-06			
31	5	2.03E-06			
32	5	2.13E-06			
33	5	2.20E-06			
34	5	2.23E-06			
35	5	2.22E-06			
36	5	2.17E-06			
37	5	2.08E-06			
38	5	1.97E-06			
39	5	1.84E-06			
40	5	1.70E-06			
41	5	1.56E-06			
42	5	1.43E-06			
43	5	1.31E-06			
44	5	1.20E-06			
45	5	1.14E-06			
46	5	1.25E-06			
47	5	1.38E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
48	5	1.53E-06			
49	5	1.69E-06			
50	5	1.86E-06			
51	5	2.05E-06			
52	5	2.23E-06			
53	5	2.41E-06			
54	5	2.55E-06			
55	5	2.66E-06			
56	5	2.71E-06			
57	5	2.69E-06			
58	5	2.62E-06			
59	5	2.48E-06			
60	5	2.31E-06			
61	5	2.14E-06			
62	5	1.95E-06			
63	5	1.77E-06			
64	5	1.60E-06			
65	5	1.45E-06			
66	5	1.31E-06			
67	5	1.22E-06			
68	5	1.35E-06			
69	5	1.51E-06			
70	5	1.69E-06			
71	5	1.90E-06			
72	5	2.13E-06			
73	5	2.38E-06			
74	5	2.64E-06			
75	5	2.89E-06			
76	5	3.12E-06			
77	5	3.29E-06			
78	5	3.37E-06			
79	5	3.35E-06			
80	5	3.22E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
81	5	3.02E-06			
82	5	2.78E-06			
83	5	2.51E-06			
84	5	2.25E-06			
85	5	2.00E-06			
86	5	1.79E-06			
87	5	1.59E-06			
88	5	1.43E-06			
89	5	1.30E-06			
90	5	1.46E-06			
91	5	1.65E-06			
92	5	1.87E-06			
93	5	2.13E-06			
94	5	2.43E-06			
95	5	2.78E-06			
96	5	3.16E-06			
97	5	3.55E-06			
98	5	3.91E-06			
99	5	4.19E-06			
100	5	4.33E-06			
101	5	4.28E-06			
102	5	4.08E-06			
103	5	3.75E-06			
104	5	3.36E-06			
105	5	2.97E-06			
106	5	2.61E-06			
107	5	2.28E-06			
108	5	2.00E-06			
109	5	1.76E-06			
110	5	1.56E-06			
111	5	1.38E-06			
112	5	1.56E-06			
113	5	1.79E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
114	5	2.06E-06			
115	5	2.39E-06			
116	5	2.78E-06			
117	5	3.26E-06			
118	5	3.83E-06			
119	5	4.44E-06			
120	5	5.06E-06			
121	5	5.57E-06			
122	5	5.81E-06			
123	5	5.74E-06			
124	5	5.36E-06			
125	5	4.79E-06			
126	5	4.15E-06			
127	5	3.56E-06			
128	5	3.04E-06			
129	5	2.59E-06			
130	5	2.23E-06			
131	5	1.93E-06			
132	5	1.69E-06			
133	5	1.45E-06			
134	5	1.66E-06			
135	5	1.92E-06			
136	5	2.25E-06			
137	5	2.66E-06			
138	5	3.17E-06			
139	5	3.84E-06			
140	5	4.68E-06			
141	5	5.68E-06			
142	5	6.80E-06			
143	5	7.80E-06			
144	5	8.34E-06			
145	5	8.17E-06			
146	5	7.38E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
147	5	6.31E-06			
148	5	5.22E-06			
149	5	4.29E-06			
150	5	3.53E-06			
151	5	2.94E-06			
152	5	2.48E-06			
153	5	2.12E-06			
154	5	1.83E-06			
155	5	1.35E-06			
156	5	1.62E-06			
157	5	2.02E-06			
158	5	2.42E-06			
159	5	2.92E-06			
160	5	3.58E-06			
161	5	4.48E-06			
162	5	5.72E-06			
163	5	7.40E-06			
164	5	9.54E-06			
165	5	1.18E-05			
166	5	1.32E-05			
167	5	1.28E-05			
168	5	1.09E-05			
169	5	8.61E-06			
170	5	6.64E-06			
171	5	5.16E-06			
172	5	4.11E-06			
173	5	3.33E-06			
174	5	2.75E-06			
175	5	2.32E-06			
176	5	1.98E-06			
177	5	1.32E-06			
178	5	1.59E-06			
179	5	2.02E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
180	5	2.54E-06			
181	5	3.15E-06			
182	5	3.95E-06			
183	5	5.12E-06			
184	5	1.21E-05			
185	5	8.46E-06			
186	5	6.24E-06			
187	5	4.75E-06			
188	5	3.74E-06			
189	5	3.03E-06			
190	5	2.52E-06			
191	5	2.12E-06			
192	5	1.24E-06			
193	5	1.50E-06			
194	5	1.86E-06			
195	5	2.32E-06			
196	5	3.05E-06			
197	5	3.99E-06			
198	5	5.56E-06			
199	5	2.07E-05			
200	5	1.73E-05			
201	5	1.08E-05			
202	5	7.40E-06			
203	5	5.44E-06			
204	5	4.17E-06			
205	5	3.32E-06			
206	5	2.71E-06			
207	5	2.27E-06			
208	5	1.14E-06			
209	5	1.37E-06			
210	5	1.63E-06			
211	5	2.10E-06			
212	5	2.69E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
213	5	3.62E-06			
214	5	5.17E-06			
215	5	7.85E-06			
216	5	1.37E-05			
217	5	2.68E-05			
218	5	5.70E-05			
219	5	2.34E-05			
220	5	1.31E-05			
221	5	8.56E-06			
222	5	6.07E-06			
223	5	4.56E-06			
224	5	3.58E-06			
225	5	2.89E-06			
226	5	2.39E-06			
227	5	1.03E-06			
228	5	1.21E-06			
229	5	1.46E-06			
230	5	1.83E-06			
231	5	2.36E-06			
232	5	3.08E-06			
233	5	4.58E-06			
234	5	6.86E-06			
235	5	1.15E-05			
236	5	2.35E-05			
237	5	6.00E-05			
238	5	1.45E-04			
239	5	1.26E-04			
240	5	5.09E-05			
241	5	2.38E-05			
242	5	1.37E-05			
243	5	8.98E-06			
244	5	6.36E-06			
245	5	4.77E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
246	5	3.73E-06			
247	5	3.00E-06			
248	5	2.48E-06			
249	5	9.27E-07			
250	5	1.08E-06			
251	5	1.28E-06			
252	5	1.60E-06			
253	5	2.02E-06			
254	5	2.76E-06			
255	5	3.77E-06			
256	5	5.80E-06			
257	5	8.77E-06			
258	5	1.43E-05			
259	5	2.59E-05			
260	5	3.82E-05			
261	5	3.69E-05			
262	5	2.65E-05			
263	5	1.75E-05			
264	5	1.17E-05			
265	5	8.26E-06			
266	5	6.09E-06			
267	5	4.67E-06			
268	5	3.70E-06			
269	5	3.00E-06			
270	5	2.49E-06			
271	5	8.18E-07			
272	5	9.46E-07			
273	5	1.13E-06			
274	5	1.37E-06			
275	5	1.71E-06			
276	5	2.24E-06			
277	5	3.02E-06			
278	5	4.14E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
279	5	6.07E-06			
280	5	8.96E-06			
281	5	1.28E-05			
282	5	1.68E-05			
283	5	1.76E-05			
284	5	1.41E-05			
285	5	1.16E-05			
286	5	8.92E-06			
287	5	6.87E-06			
288	5	5.38E-06			
289	5	4.29E-06			
290	5	3.49E-06			
291	5	2.89E-06			
292	5	2.43E-06			
293	5	7.28E-07			
294	5	8.43E-07			
295	5	9.89E-07			
296	5	1.17E-06			
297	5	1.45E-06			
298	5	1.83E-06			
299	5	2.36E-06			
300	5	3.20E-06			
301	5	4.14E-06			
302	5	5.77E-06			
303	5	7.57E-06			
304	5	9.11E-06			
305	5	9.51E-06			
306	5	8.43E-06			
307	5	7.51E-06			
308	5	6.56E-06			
309	5	5.49E-06			
310	5	4.53E-06			
311	5	3.76E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
312	5	3.16E-06			
313	5	2.67E-06			
314	5	2.29E-06			
315	5	6.38E-07			
316	5	7.36E-07			
317	5	8.55E-07			
318	5	1.00E-06			
319	5	1.18E-06			
320	5	1.50E-06			
321	5	1.84E-06			
322	5	2.33E-06			
323	5	3.05E-06			
324	5	3.88E-06			
325	5	4.83E-06			
326	5	5.69E-06			
327	5	6.92E-06			
328	5	5.45E-06			
329	5	5.03E-06			
330	5	4.66E-06			
331	5	4.30E-06			
332	5	3.81E-06			
333	5	3.36E-06			
334	5	2.79E-06			
335	5	2.42E-06			
336	5	2.11E-06			
337	5	5.75E-07			
338	5	6.52E-07			
339	5	7.38E-07			
340	5	8.65E-07			
341	5	1.00E-06			
342	5	1.23E-06			
343	5	1.46E-06			
344	5	1.79E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
345	5	2.21E-06			
346	5	2.77E-06			
347	5	3.24E-06			
348	5	3.70E-06			
349	5	3.50E-06			
350	5	3.52E-06			
351	5	3.46E-06			
352	5	3.21E-06			
353	5	3.20E-06			
354	5	2.98E-06			
355	5	2.79E-06			
356	5	2.51E-06			
357	5	2.22E-06			
358	5	2.00E-06			
359	5	5.06E-07			
360	5	5.73E-07			
361	5	6.46E-07			
362	5	7.35E-07			
363	5	8.34E-07			
364	5	9.86E-07			
365	5	1.17E-06			
366	5	1.41E-06			
367	5	1.72E-06			
368	5	2.02E-06			
369	5	2.25E-06			
370	5	2.37E-06			
371	5	2.50E-06			
372	5	2.53E-06			
373	5	2.42E-06			
374	5	2.29E-06			
375	5	2.33E-06			
376	5	2.25E-06			
377	5	2.20E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
378	5	2.14E-06			
379	5	1.95E-06			
380	5	1.81E-06			
381	5	1.37E-06			
382	5	1.52E-06			
383	5	1.70E-06			
384	5	1.89E-06			
385	5	2.10E-06			
386	5	2.31E-06			
387	5	2.53E-06			
388	5	2.73E-06			
389	5	2.89E-06			
390	5	2.99E-06			
391	5	3.01E-06			
392	5	2.95E-06			
393	5	2.82E-06			
394	5	2.64E-06			
395	5	2.42E-06			
396	5	2.20E-06			
397	5	1.98E-06			
398	5	1.78E-06			
399	5	1.49E-06			
400	5	1.68E-06			
401	5	1.89E-06			
402	5	2.14E-06			
403	5	2.42E-06			
404	5	2.72E-06			
405	5	3.04E-06			
406	5	3.34E-06			
407	5	3.60E-06			
408	5	3.76E-06			
409	5	3.80E-06			
410	5	3.70E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
411	5	3.49E-06			
412	5	3.21E-06			
413	5	2.89E-06			
414	5	2.57E-06			
415	5	2.27E-06			
416	5	2.00E-06			
417	5	1.61E-06			
418	5	1.83E-06			
419	5	2.10E-06			
420	5	2.42E-06			
421	5	2.80E-06			
422	5	3.23E-06			
423	5	3.71E-06			
424	5	4.20E-06			
425	5	4.63E-06			
426	5	4.92E-06			
427	5	4.98E-06			
428	5	4.81E-06			
429	5	4.45E-06			
430	5	3.98E-06			
431	5	3.48E-06			
432	5	3.02E-06			
433	5	2.62E-06			
434	5	2.26E-06			
435	5	1.73E-06			
436	5	2.00E-06			
437	5	2.33E-06			
438	5	2.74E-06			
439	5	3.24E-06			
440	5	3.87E-06			
441	5	4.61E-06			
442	5	5.43E-06			
443	5	6.21E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
444	5	6.77E-06			
445	5	6.91E-06			
446	5	6.57E-06			
447	5	5.88E-06			
448	5	5.05E-06			
449	5	4.26E-06			
450	5	3.58E-06			
451	5	3.00E-06			
452	5	2.54E-06			
453	5	1.84E-06			
454	5	2.15E-06			
455	5	2.55E-06			
456	5	3.06E-06			
457	5	3.74E-06			
458	5	4.63E-06			
459	5	5.79E-06			
460	5	7.22E-06			
461	5	8.78E-06			
462	5	1.00E-05			
463	5	1.04E-05			
464	5	9.57E-06			
465	5	8.11E-06			
466	5	6.57E-06			
467	5	5.26E-06			
468	5	4.23E-06			
469	5	3.45E-06			
470	5	2.85E-06			
471	5	1.74E-06			
472	5	2.21E-06			
473	5	2.75E-06			
474	5	3.38E-06			
475	5	4.24E-06			
476	5	8.72E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
477	5	6.48E-06			
478	5	5.01E-06			
479	5	3.95E-06			
480	5	3.19E-06			
481	5	1.69E-06			
482	5	2.11E-06			
483	5	2.60E-06			
484	5	3.42E-06			
485	5	4.69E-06			
486	5	1.16E-05			
487	5	8.03E-06			
488	5	5.85E-06			
489	5	4.48E-06			
490	5	3.54E-06			
491	5	1.57E-06			
492	5	1.97E-06			
493	5	2.44E-06			
494	5	3.19E-06			
495	5	4.40E-06			
496	5	1.74E-05			
497	5	3.66E-05			
498	5	2.82E-05			
499	5	1.54E-05			
500	5	9.72E-06			
501	5	6.76E-06			
502	5	5.00E-06			
503	5	3.87E-06			
504	5	1.42E-06			
505	5	1.71E-06			
506	5	2.26E-06			
507	5	2.88E-06			
508	5	4.12E-06			
509	5	5.92E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
510	5	9.32E-06			
511	5	1.78E-05			
512	5	4.32E-05			
513	5	2.85E-04			
514	5	3.77E-04			
515	5	1.30E-04			
516	5	3.68E-05			
517	5	1.80E-05			
518	5	1.09E-05			
519	5	7.41E-06			
520	5	5.40E-06			
521	5	4.13E-06			
522	5	1.25E-06			
523	5	1.55E-06			
524	5	1.96E-06			
525	5	2.54E-06			
526	5	3.30E-06			
527	5	5.13E-06			
528	5	7.87E-06			
529	5	1.33E-05			
530	5	2.70E-05			
531	5	5.41E-05			
532	5	6.93E-05			
533	5	4.93E-05			
534	5	2.76E-05			
535	5	1.63E-05			
536	5	1.05E-05			
537	5	7.37E-06			
538	5	5.45E-06			
539	5	4.20E-06			
540	5	1.10E-06			
541	5	1.35E-06			
542	5	1.68E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE1

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
543	5	2.15E-06			
544	5	2.94E-06			
545	5	4.01E-06			
546	5	5.99E-06			
547	5	9.08E-06			
548	5	1.44E-05			
549	5	2.15E-05			
550	5	2.56E-05			
551	5	2.24E-05			
552	5	1.67E-05			
553	5	1.21E-05			
554	5	8.82E-06			
555	5	6.60E-06			
556	5	5.09E-06			
557	5	4.03E-06			
558	5	9.74E-07			
559	5	1.18E-06			
560	5	1.42E-06			
561	5	1.79E-06			
562	5	2.26E-06			
563	5	3.00E-06			
564	5	4.29E-06			
565	5	5.94E-06			
566	5	8.54E-06			
567	5	1.09E-05			
568	5	1.29E-05			
569	5	1.16E-05			
570	5	9.95E-06			
571	5	8.51E-06			
572	5	6.88E-06			
573	5	5.52E-06			
574	5	4.47E-06			
575	5	3.66E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.58715	**8.4549E-06**	4.9643E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.75E-11	1,000,000	6.75E-05
2	0.63843	8.4549E-06	5.3978E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.34E-11	1,000,000	7.34E-05
3	0.69463	8.4549E-06	5.873E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.99E-11	1,000,000	7.99E-05
4	0.75539	8.4549E-06	6.3867E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.69E-11	1,000,000	8.69E-05
5	0.82061	8.4549E-06	6.9382E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.44E-11	1,000,000	9.44E-05
6	0.88917	8.4549E-06	7.5178E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
7	0.95834	8.4549E-06	8.1026E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
8	1.02588	8.4549E-06	8.6737E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
9	1.08886	8.4549E-06	9.2062E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
10	1.1418	8.4549E-06	9.6538E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
11	1.18037	8.4549E-06	9.9799E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
12	1.20119	8.4549E-06	1.0156E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
13	1.20186	8.4549E-06	1.0162E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
14	1.18208	8.4549E-06	9.9943E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
15	1.14399	8.4549E-06	9.6723E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
16	1.09025	8.4549E-06	9.2179E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
17	1.02843	8.4549E-06	8.6952E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
18	0.96056	8.4549E-06	8.1214E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
19	0.88984	8.4549E-06	7.5235E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
20	0.82211	8.4549E-06	6.9508E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.45E-11	1,000,000	9.45E-05
21	0.75693	8.4549E-06	6.3998E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.70E-11	1,000,000	8.70E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	0.69493	8.4549E-06	5.8755E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.99E-11	1,000,000	7.99E-05
23	0.63027	8.4549E-06	5.3289E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.25E-11	1,000,000	7.25E-05
24	0.69091	8.4549E-06	5.8416E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.94E-11	1,000,000	7.94E-05
25	0.75854	8.4549E-06	6.4134E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.72E-11	1,000,000	8.72E-05
26	0.83347	8.4549E-06	7.0469E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.58E-11	1,000,000	9.58E-05
27	0.91532	8.4549E-06	7.7389E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
28	1.004	8.4549E-06	8.4887E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
29	1.09552	8.4549E-06	9.2625E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
30	1.18842	8.4549E-06	1.0048E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
31	1.27563	8.4549E-06	1.0785E-05	3.46E-04	3.73E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
32	1.35107	8.4549E-06	1.1423E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
33	1.40658	8.4549E-06	1.1892E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
34	1.4385	8.4549E-06	1.2162E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
35	1.44095	8.4549E-06	1.2183E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
36	1.41361	8.4549E-06	1.1952E-05	3.46E-04	4.14E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
37	1.3547	8.4549E-06	1.1454E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
38	1.27883	8.4549E-06	1.0812E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
39	1.19351	8.4549E-06	1.0091E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
40	1.101	8.4549E-06	9.3088E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
41	1.00721	8.4549E-06	8.5158E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
42	0.91729	8.4549E-06	7.7556E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
43	0.83344	8.4549E-06	7.0466E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.58E-11	1,000,000	9.58E-05
44	0.76118	8.4549E-06	6.4357E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05
45	0.6752	8.4549E-06	5.7087E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.76E-11	1,000,000	7.76E-05
46	0.74656	8.4549E-06	6.3121E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
47	0.8279	8.4549E-06	6.9998E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.52E-11	1,000,000	9.52E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	0.92016	8.4549E-06	7.7798E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
49	1.02363	8.4549E-06	8.6547E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
50	1.1381	8.4549E-06	9.6225E-06	3.46E-04	3.33E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
51	1.26163	8.4549E-06	1.0667E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
52	1.38976	8.4549E-06	1.175E-05	3.46E-04	4.07E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
53	1.51576	8.4549E-06	1.2816E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
54	1.62679	8.4549E-06	1.3754E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
55	1.71214	8.4549E-06	1.4476E-05	3.46E-04	5.01E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
56	1.7606	8.4549E-06	1.4886E-05	3.46E-04	5.15E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
57	1.76363	8.4549E-06	1.4911E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
58	1.72454	8.4549E-06	1.4581E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
59	1.63564	8.4549E-06	1.3829E-05	3.46E-04	4.79E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
60	1.52297	8.4549E-06	1.2877E-05	3.46E-04	4.46E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
61	1.40008	8.4549E-06	1.1838E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
62	1.27027	8.4549E-06	1.074E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
63	1.14482	8.4549E-06	9.6793E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
64	1.02907	8.4549E-06	8.7007E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
65	0.92547	8.4549E-06	7.8247E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
66	0.83358	8.4549E-06	7.0478E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.58E-11	1,000,000	9.58E-05
67	0.72101	8.4549E-06	6.0961E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.29E-11	1,000,000	8.29E-05
68	0.80441	8.4549E-06	6.8012E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.25E-11	1,000,000	9.25E-05
69	0.90163	8.4549E-06	7.6232E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
70	1.01452	8.4549E-06	8.5776E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
71	1.14523	8.4549E-06	9.6828E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
72	1.29478	8.4549E-06	1.0947E-05	3.46E-04	3.79E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
73	1.46261	8.4549E-06	1.2366E-05	3.46E-04	4.28E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
74	1.64314	8.4549E-06	1.3893E-05	3.46E-04	4.81E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
75	1.82795	8.4549E-06	1.5455E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
76	2.00089	8.4549E-06	1.6917E-05	3.46E-04	5.86E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
77	2.13985	8.4549E-06	1.8092E-05	3.46E-04	6.26E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
78	2.22295	8.4549E-06	1.8795E-05	3.46E-04	6.51E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
79	2.22606	8.4549E-06	1.8821E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
80	2.15415	8.4549E-06	1.8213E-05	3.46E-04	6.30E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	2.01936	8.4549E-06	1.7073E-05	3.46E-04	5.91E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
82	1.8509	8.4549E-06	1.5649E-05	3.46E-04	5.42E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
83	1.662	8.4549E-06	1.4052E-05	3.46E-04	4.86E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
84	1.47893	8.4549E-06	1.2504E-05	3.46E-04	4.33E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
85	1.30195	8.4549E-06	1.1008E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
86	1.15576	8.4549E-06	9.7718E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
87	1.02404	8.4549E-06	8.6581E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
88	0.91178	8.4549E-06	7.709E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
89	0.76623	8.4549E-06	6.4784E-06	3.46E-04	2.24E-09	0.25	1.57E-01	8.81E-11	1,000,000	8.81E-05
90	0.86281	8.4549E-06	7.295E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.92E-11	1,000,000	9.92E-05
91	0.97777	8.4549E-06	8.2669E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
92	1.11517	8.4549E-06	9.4286E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
93	1.27938	8.4549E-06	1.0817E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
94	1.47409	8.4549E-06	1.2463E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
95	1.70276	8.4549E-06	1.4397E-05	3.46E-04	4.98E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
96	1.96324	8.4549E-06	1.6599E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
97	2.24605	8.4549E-06	1.899E-05	3.46E-04	6.57E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
98	2.52485	8.4549E-06	2.1347E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
99	2.7581	8.4549E-06	2.3319E-05	3.46E-04	8.07E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04
100	2.90025	8.4549E-06	2.4521E-05	3.46E-04	8.49E-09	0.25	1.57E-01	3.33E-10	1,000,000	3.33E-04
101	2.90971	8.4549E-06	2.4601E-05	3.46E-04	8.52E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
102	2.78429	8.4549E-06	2.3541E-05	3.46E-04	8.15E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
103	2.56034	8.4549E-06	2.1647E-05	3.46E-04	7.49E-09	0.25	1.57E-01	2.94E-10	1,000,000	2.94E-04
104	2.28046	8.4549E-06	1.9281E-05	3.46E-04	6.67E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
105	1.99768	8.4549E-06	1.689E-05	3.46E-04	5.85E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
106	1.73159	8.4549E-06	1.464E-05	3.46E-04	5.07E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
107	1.49639	8.4549E-06	1.2652E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
108	1.29801	8.4549E-06	1.0975E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
109	1.13167	8.4549E-06	9.5681E-06	3.46E-04	3.31E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
110	0.99545	8.4549E-06	8.4164E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
111	0.80893	8.4549E-06	6.8394E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.30E-11	1,000,000	9.30E-05
112	0.91932	8.4549E-06	7.7727E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
113	1.05318	8.4549E-06	8.9045E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	1.2178	8.4549E-06	1.0296E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
115	1.4219	8.4549E-06	1.2022E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
116	1.67419	8.4549E-06	1.4155E-05	3.46E-04	4.90E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
117	1.98646	8.4549E-06	1.6795E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
118	2.36728	8.4549E-06	2.0015E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
119	2.81106	8.4549E-06	2.3767E-05	3.46E-04	8.23E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
120	3.28678	8.4549E-06	2.7789E-05	3.46E-04	9.62E-09	0.25	1.57E-01	3.78E-10	1,000,000	3.78E-04
121	3.71985	8.4549E-06	3.1451E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.28E-10	1,000,000	4.28E-04
122	3.98911	8.4549E-06	3.3727E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.59E-10	1,000,000	4.59E-04
123	4.00905	8.4549E-06	3.3896E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.61E-10	1,000,000	4.61E-04
124	3.76828	8.4549E-06	3.186E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
125	3.35397	8.4549E-06	2.8357E-05	3.46E-04	9.82E-09	0.25	1.57E-01	3.86E-10	1,000,000	3.86E-04
126	2.87353	8.4549E-06	2.4295E-05	3.46E-04	8.41E-09	0.25	1.57E-01	3.30E-10	1,000,000	3.30E-04
127	2.42518	8.4549E-06	2.0505E-05	3.46E-04	7.10E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
128	2.03737	8.4549E-06	1.7226E-05	3.46E-04	5.96E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
129	1.71405	8.4549E-06	1.4492E-05	3.46E-04	5.02E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
130	1.45739	8.4549E-06	1.2322E-05	3.46E-04	4.27E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
131	1.24917	8.4549E-06	1.0562E-05	3.46E-04	3.66E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
132	1.0837	8.4549E-06	9.1626E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
133	0.82831	8.4549E-06	7.0033E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.52E-11	1,000,000	9.52E-05
134	0.97074	8.4549E-06	8.2075E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
135	1.12396	8.4549E-06	9.5029E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
136	1.31772	8.4549E-06	1.1141E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
137	1.56616	8.4549E-06	1.3242E-05	3.46E-04	4.58E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
138	1.88782	8.4549E-06	1.5961E-05	3.46E-04	5.53E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
139	2.30947	8.4549E-06	1.9526E-05	3.46E-04	6.76E-09	0.25	1.57E-01	2.66E-10	1,000,000	2.66E-04
140	2.86483	8.4549E-06	2.4222E-05	3.46E-04	8.38E-09	0.25	1.57E-01	3.29E-10	1,000,000	3.29E-04
141	3.57486	8.4549E-06	3.0225E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.11E-10	1,000,000	4.11E-04
142	4.43395	8.4549E-06	3.7489E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.10E-10	1,000,000	5.10E-04
143	5.30773	8.4549E-06	4.4876E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.10E-10	1,000,000	6.10E-04
144	5.91101	8.4549E-06	4.9977E-05	3.46E-04	1.73E-08	0.25	1.57E-01	6.80E-10	1,000,000	6.80E-04
145	5.95907	8.4549E-06	5.0383E-05	3.46E-04	1.74E-08	0.25	1.57E-01	6.85E-10	1,000,000	6.85E-04
146	5.42023	8.4549E-06	4.5827E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.23E-10	1,000,000	6.23E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	4.57364	8.4549E-06	3.867E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.26E-10	1,000,000	5.26E-04
148	3.70033	8.4549E-06	3.1286E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.25E-10	1,000,000	4.25E-04
149	2.97375	8.4549E-06	2.5143E-05	3.46E-04	8.70E-09	0.25	1.57E-01	3.42E-10	1,000,000	3.42E-04
150	2.39536	8.4549E-06	2.0252E-05	3.46E-04	7.01E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
151	1.95688	8.4549E-06	1.6545E-05	3.46E-04	5.73E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
152	1.62835	8.4549E-06	1.3767E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
153	1.37347	8.4549E-06	1.1613E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
154	1.17506	8.4549E-06	9.935E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
155	0.7486	8.4549E-06	6.3293E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.61E-11	1,000,000	8.61E-05
156	0.88473	8.4549E-06	7.4803E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
157	1.11424	8.4549E-06	9.4208E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
158	1.33942	8.4549E-06	1.1325E-05	3.46E-04	3.92E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
159	1.69854	8.4549E-06	1.4361E-05	3.46E-04	4.97E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
160	2.09468	8.4549E-06	1.771E-05	3.46E-04	6.13E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
161	2.64709	8.4549E-06	2.2381E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
162	3.43976	8.4549E-06	2.9083E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.96E-10	1,000,000	3.96E-04
163	4.58728	8.4549E-06	3.8785E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.27E-10	1,000,000	5.27E-04
164	6.20722	8.4549E-06	5.2481E-05	3.46E-04	1.82E-08	0.25	1.57E-01	7.14E-10	1,000,000	7.14E-04
165	8.20263	8.4549E-06	6.9352E-05	3.46E-04	2.40E-08	0.25	1.57E-01	9.43E-10	1,000,000	9.43E-04
166	9.84531	8.4549E-06	8.3241E-05	3.46E-04	2.88E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
167	9.99657	8.4549E-06	8.452E-05	3.46E-04	2.93E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
168	8.54289	8.4549E-06	7.2229E-05	3.46E-04	2.50E-08	0.25	1.57E-01	9.82E-10	1,000,000	9.82E-04
169	6.55486	8.4549E-06	5.5421E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.54E-10	1,000,000	7.54E-04
170	4.85224	8.4549E-06	4.1025E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.58E-10	1,000,000	5.58E-04
171	3.63514	8.4549E-06	3.0735E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.18E-10	1,000,000	4.18E-04
172	2.81398	8.4549E-06	2.3792E-05	3.46E-04	8.24E-09	0.25	1.57E-01	3.24E-10	1,000,000	3.24E-04
173	2.22924	8.4549E-06	1.8848E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
174	1.81175	8.4549E-06	1.5318E-05	3.46E-04	5.30E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
175	1.50553	8.4549E-06	1.2729E-05	3.46E-04	4.41E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
176	1.27165	8.4549E-06	1.0752E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
177	0.72747	8.4549E-06	6.1507E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.36E-11	1,000,000	8.36E-05
178	0.87604	8.4549E-06	7.4068E-06	3.46E-04	2.56E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
179	1.08116	8.4549E-06	9.1411E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	1.37756	8.4549E-06	1.1647E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
181	1.74149	8.4549E-06	1.4724E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
182	2.24334	8.4549E-06	1.8967E-05	3.46E-04	6.57E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
183	2.95403	8.4549E-06	2.4976E-05	3.46E-04	8.65E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
184	9.83563	8.4549E-06	8.3159E-05	3.46E-04	2.88E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
185	6.37375	8.4549E-06	5.3889E-05	3.46E-04	1.87E-08	0.25	1.57E-01	7.33E-10	1,000,000	7.33E-04
186	4.46522	8.4549E-06	3.7753E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.13E-10	1,000,000	5.13E-04
187	3.28225	8.4549E-06	2.7751E-05	3.46E-04	9.61E-09	0.25	1.57E-01	3.77E-10	1,000,000	3.77E-04
188	2.51895	8.4549E-06	2.1297E-05	3.46E-04	7.37E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
189	2.00457	8.4549E-06	1.6948E-05	3.46E-04	5.87E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
190	1.63812	8.4549E-06	1.385E-05	3.46E-04	4.79E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
191	1.36676	8.4549E-06	1.1556E-05	3.46E-04	4.00E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
192	0.67174	8.4549E-06	5.6795E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.72E-11	1,000,000	7.72E-05
193	0.809	8.4549E-06	6.84E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.30E-11	1,000,000	9.30E-05
194	1.0111	8.4549E-06	8.5487E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
195	1.26352	8.4549E-06	1.0683E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
196	1.62463	8.4549E-06	1.3736E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
197	2.08917	8.4549E-06	1.7664E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
198	2.95145	8.4549E-06	2.4954E-05	3.46E-04	8.64E-09	0.25	1.57E-01	3.39E-10	1,000,000	3.39E-04
199	12.18567	8.4549E-06	0.00010303	3.46E-04	3.57E-08	0.25	1.57E-01	1.40E-09	1,000,000	1.40E-03
200	15.17977	8.4549E-06	0.00012834	3.46E-04	4.44E-08	0.25	1.57E-01	1.75E-09	1,000,000	1.75E-03
201	8.3509	8.4549E-06	7.0606E-05	3.46E-04	2.44E-08	0.25	1.57E-01	9.60E-10	1,000,000	9.60E-04
202	5.34414	8.4549E-06	4.5184E-05	3.46E-04	1.56E-08	0.25	1.57E-01	6.14E-10	1,000,000	6.14E-04
203	3.76487	8.4549E-06	3.1832E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
204	2.81083	8.4549E-06	2.3765E-05	3.46E-04	8.23E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
205	2.19196	8.4549E-06	1.8533E-05	3.46E-04	6.42E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
206	1.76518	8.4549E-06	1.4924E-05	3.46E-04	5.17E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
207	1.45848	8.4549E-06	1.2331E-05	3.46E-04	4.27E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
208	0.61279	8.4549E-06	5.1811E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.05E-11	1,000,000	7.05E-05
209	0.73437	8.4549E-06	6.209E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05
210	0.86704	8.4549E-06	7.3307E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.97E-11	1,000,000	9.97E-05
211	1.11067	8.4549E-06	9.3906E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
212	1.41724	8.4549E-06	1.1983E-05	3.46E-04	4.15E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	1.90571	8.4549E-06	1.6113E-05	3.46E-04	5.58E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
214	2.69121	8.4549E-06	2.2754E-05	3.46E-04	7.88E-09	0.25	1.57E-01	3.09E-10	1,000,000	3.09E-04
215	3.94594	8.4549E-06	3.3362E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.54E-10	1,000,000	4.54E-04
216	7.04254	8.4549E-06	5.9544E-05	3.46E-04	2.06E-08	0.25	1.57E-01	8.10E-10	1,000,000	8.10E-04
217	13.3255	8.4549E-06	0.00011267	3.46E-04	3.90E-08	0.25	1.57E-01	1.53E-09	1,000,000	1.53E-03
218	68.19488	8.4549E-06	0.00057658	3.46E-04	2.00E-07	0.25	1.57E-01	7.84E-09	1,000,000	7.84E-03
219	19.55611	8.4549E-06	0.00016534	3.46E-04	5.72E-08	0.25	1.57E-01	2.25E-09	1,000,000	2.25E-03
220	9.7965	8.4549E-06	8.2828E-05	3.46E-04	2.87E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
221	6.02174	8.4549E-06	5.0913E-05	3.46E-04	1.76E-08	0.25	1.57E-01	6.92E-10	1,000,000	6.92E-04
222	4.1287	8.4549E-06	3.4908E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.75E-10	1,000,000	4.75E-04
223	3.03262	8.4549E-06	2.564E-05	3.46E-04	8.88E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
224	2.33643	8.4549E-06	1.9754E-05	3.46E-04	6.84E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
225	1.86425	8.4549E-06	1.5762E-05	3.46E-04	5.46E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
226	1.52957	8.4549E-06	1.2932E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
227	0.55276	8.4549E-06	4.6735E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.36E-11	1,000,000	6.36E-05
228	0.65047	8.4549E-06	5.4996E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
229	0.77712	8.4549E-06	6.5705E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.94E-11	1,000,000	8.94E-05
230	0.96096	8.4549E-06	8.1248E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
231	1.22509	8.4549E-06	1.0358E-05	3.46E-04	3.59E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
232	1.57478	8.4549E-06	1.3315E-05	3.46E-04	4.61E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
233	2.30472	8.4549E-06	1.9486E-05	3.46E-04	6.75E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
234	3.38339	8.4549E-06	2.8606E-05	3.46E-04	9.90E-09	0.25	1.57E-01	3.89E-10	1,000,000	3.89E-04
235	5.36394	8.4549E-06	4.5351E-05	3.46E-04	1.57E-08	0.25	1.57E-01	6.17E-10	1,000,000	6.17E-04
236	9.79073	8.4549E-06	8.2779E-05	3.46E-04	2.87E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
237	19.78512	8.4549E-06	0.00016728	3.46E-04	5.79E-08	0.25	1.57E-01	2.27E-09	1,000,000	2.27E-03
238	35.44865	8.4549E-06	0.00029971	3.46E-04	1.04E-07	0.25	1.57E-01	4.08E-09	1,000,000	4.08E-03
239	39.32542	8.4549E-06	0.00033249	3.46E-04	1.15E-07	0.25	1.57E-01	4.52E-09	1,000,000	4.52E-03
240	26.88951	8.4549E-06	0.00022735	3.46E-04	7.87E-08	0.25	1.57E-01	3.09E-09	1,000,000	3.09E-03
241	15.07955	8.4549E-06	0.0001275	3.46E-04	4.41E-08	0.25	1.57E-01	1.73E-09	1,000,000	1.73E-03
242	8.98943	8.4549E-06	7.6005E-05	3.46E-04	2.63E-08	0.25	1.57E-01	1.03E-09	1,000,000	1.03E-03
243	5.86549	8.4549E-06	4.9592E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.74E-10	1,000,000	6.74E-04
244	4.12822	8.4549E-06	3.4904E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.75E-10	1,000,000	4.75E-04
245	3.07068	8.4549E-06	2.5962E-05	3.46E-04	8.99E-09	0.25	1.57E-01	3.53E-10	1,000,000	3.53E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	2.38009	8.4549E-06	2.0123E-05	3.46E-04	6.97E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
247	1.90453	8.4549E-06	1.6103E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
248	1.56374	8.4549E-06	1.3221E-05	3.46E-04	4.58E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
249	0.50009	8.4549E-06	4.2282E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.75E-11	1,000,000	5.75E-05
250	0.58019	8.4549E-06	4.9054E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
251	0.68283	8.4549E-06	5.7732E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.85E-11	1,000,000	7.85E-05
252	0.84037	8.4549E-06	7.1052E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
253	1.04611	8.4549E-06	8.8447E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
254	1.39976	8.4549E-06	1.1835E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
255	1.86662	8.4549E-06	1.5782E-05	3.46E-04	5.46E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
256	2.77854	8.4549E-06	2.3492E-05	3.46E-04	8.13E-09	0.25	1.57E-01	3.19E-10	1,000,000	3.19E-04
257	4.01536	8.4549E-06	3.3949E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.62E-10	1,000,000	4.62E-04
258	6.05394	8.4549E-06	5.1185E-05	3.46E-04	1.77E-08	0.25	1.57E-01	6.96E-10	1,000,000	6.96E-04
259	9.45842	8.4549E-06	7.997E-05	3.46E-04	2.77E-08	0.25	1.57E-01	1.09E-09	1,000,000	1.09E-03
260	13.75732	8.4549E-06	0.00011632	3.46E-04	4.03E-08	0.25	1.57E-01	1.58E-09	1,000,000	1.58E-03
261	15.00702	8.4549E-06	0.00012688	3.46E-04	4.39E-08	0.25	1.57E-01	1.73E-09	1,000,000	1.73E-03
262	12.64942	8.4549E-06	0.00010695	3.46E-04	3.70E-08	0.25	1.57E-01	1.45E-09	1,000,000	1.45E-03
263	9.41114	8.4549E-06	7.957E-05	3.46E-04	2.75E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
264	6.79589	8.4549E-06	5.7458E-05	3.46E-04	1.99E-08	0.25	1.57E-01	7.81E-10	1,000,000	7.81E-04
265	4.96695	8.4549E-06	4.1995E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.71E-10	1,000,000	5.71E-04
266	3.72867	8.4549E-06	3.1525E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
267	2.8835	8.4549E-06	2.438E-05	3.46E-04	8.44E-09	0.25	1.57E-01	3.32E-10	1,000,000	3.32E-04
268	2.29018	8.4549E-06	1.9363E-05	3.46E-04	6.70E-09	0.25	1.57E-01	2.63E-10	1,000,000	2.63E-04
269	1.86154	8.4549E-06	1.5739E-05	3.46E-04	5.45E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
270	1.54392	8.4549E-06	1.3054E-05	3.46E-04	4.52E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
271	0.44233	8.4549E-06	3.7398E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.09E-11	1,000,000	5.09E-05
272	0.5082	8.4549E-06	4.2968E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.84E-11	1,000,000	5.84E-05
273	0.6001	8.4549E-06	5.0738E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.90E-11	1,000,000	6.90E-05
274	0.72055	8.4549E-06	6.0922E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.28E-11	1,000,000	8.28E-05
275	0.88675	8.4549E-06	7.4974E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
276	1.14103	8.4549E-06	9.6473E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
277	1.49646	8.4549E-06	1.2652E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
278	1.98354	8.4549E-06	1.6771E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	2.77348	8.4549E-06	2.3449E-05	3.46E-04	8.12E-09	0.25	1.57E-01	3.19E-10	1,000,000	3.19E-04
280	3.91846	8.4549E-06	3.313E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.51E-10	1,000,000	4.51E-04
281	5.43127	8.4549E-06	4.5921E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.24E-10	1,000,000	6.24E-04
282	6.92188	8.4549E-06	5.8524E-05	3.46E-04	2.03E-08	0.25	1.57E-01	7.96E-10	1,000,000	7.96E-04
283	7.63847	8.4549E-06	6.4582E-05	3.46E-04	2.24E-08	0.25	1.57E-01	8.78E-10	1,000,000	8.78E-04
284	6.56095	8.4549E-06	5.5472E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.54E-10	1,000,000	7.54E-04
285	5.85439	8.4549E-06	4.9498E-05	3.46E-04	1.71E-08	0.25	1.57E-01	6.73E-10	1,000,000	6.73E-04
286	4.88332	8.4549E-06	4.1288E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.61E-10	1,000,000	5.61E-04
287	3.91803	8.4549E-06	3.3126E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.50E-10	1,000,000	4.50E-04
288	3.14487	8.4549E-06	2.6589E-05	3.46E-04	9.20E-09	0.25	1.57E-01	3.62E-10	1,000,000	3.62E-04
289	2.5493	8.4549E-06	2.1554E-05	3.46E-04	7.46E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
290	2.09447	8.4549E-06	1.7708E-05	3.46E-04	6.13E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
291	1.74412	8.4549E-06	1.4746E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
292	1.47191	8.4549E-06	1.2445E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
293	0.39492	8.4549E-06	3.339E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
294	0.4538	8.4549E-06	3.8368E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
295	0.52774	8.4549E-06	4.462E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.07E-11	1,000,000	6.07E-05
296	0.61847	8.4549E-06	5.2291E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
297	0.75679	8.4549E-06	6.3986E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.70E-11	1,000,000	8.70E-05
298	0.9342	8.4549E-06	7.8985E-06	3.46E-04	2.73E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
299	1.17912	8.4549E-06	9.9693E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
300	1.55214	8.4549E-06	1.3123E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
301	1.9484	8.4549E-06	1.6473E-05	3.46E-04	5.70E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
302	2.61816	8.4549E-06	2.2136E-05	3.46E-04	7.66E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
303	3.3901	8.4549E-06	2.8663E-05	3.46E-04	9.92E-09	0.25	1.57E-01	3.90E-10	1,000,000	3.90E-04
304	4.12529	8.4549E-06	3.4879E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
305	4.35296	8.4549E-06	3.6804E-05	3.46E-04	1.27E-08	0.25	1.57E-01	5.01E-10	1,000,000	5.01E-04
306	4.05256	8.4549E-06	3.4264E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.66E-10	1,000,000	4.66E-04
307	3.72683	8.4549E-06	3.151E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
308	3.34426	8.4549E-06	2.8275E-05	3.46E-04	9.79E-09	0.25	1.57E-01	3.85E-10	1,000,000	3.85E-04
309	3.05883	8.4549E-06	2.5862E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
310	2.61559	8.4549E-06	2.2114E-05	3.46E-04	7.66E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
311	2.18017	8.4549E-06	1.8433E-05	3.46E-04	6.38E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	1.8519	8.4549E-06	1.5658E-05	3.46E-04	5.42E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
313	1.58238	8.4549E-06	1.3379E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
314	1.36275	8.4549E-06	1.1522E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
315	0.34702	8.4549E-06	2.934E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
316	0.39763	8.4549E-06	3.3619E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
317	0.4577	8.4549E-06	3.8698E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.26E-11	1,000,000	5.26E-05
318	0.53012	8.4549E-06	4.4821E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.10E-11	1,000,000	6.10E-05
319	0.61637	8.4549E-06	5.2113E-06	3.46E-04	1.80E-09	0.25	1.57E-01	7.09E-11	1,000,000	7.09E-05
320	0.77259	8.4549E-06	6.5322E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.88E-11	1,000,000	8.88E-05
321	0.93006	8.4549E-06	7.8635E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
322	1.15338	8.4549E-06	9.7517E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
323	1.46991	8.4549E-06	1.2428E-05	3.46E-04	4.30E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
324	1.8302	8.4549E-06	1.5474E-05	3.46E-04	5.36E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
325	2.24458	8.4549E-06	1.8978E-05	3.46E-04	6.57E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
326	2.67928	8.4549E-06	2.2653E-05	3.46E-04	7.84E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
327	3.29542	8.4549E-06	2.7862E-05	3.46E-04	9.64E-09	0.25	1.57E-01	3.79E-10	1,000,000	3.79E-04
328	2.67711	8.4549E-06	2.2635E-05	3.46E-04	7.84E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
329	2.52474	8.4549E-06	2.1346E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
330	2.39857	8.4549E-06	2.028E-05	3.46E-04	7.02E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04
331	2.25289	8.4549E-06	1.9048E-05	3.46E-04	6.59E-09	0.25	1.57E-01	2.59E-10	1,000,000	2.59E-04
332	2.09804	8.4549E-06	1.7739E-05	3.46E-04	6.14E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
333	1.89172	8.4549E-06	1.5994E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
334	1.62417	8.4549E-06	1.3732E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
335	1.40868	8.4549E-06	1.191E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
336	1.23707	8.4549E-06	1.0459E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
337	0.31294	8.4549E-06	2.6459E-06	3.46E-04	9.16E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
338	0.35267	8.4549E-06	2.9818E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.06E-11	1,000,000	4.06E-05
339	0.39584	8.4549E-06	3.3468E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
340	0.4593	8.4549E-06	3.8833E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.28E-11	1,000,000	5.28E-05
341	0.52561	8.4549E-06	4.444E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.04E-11	1,000,000	6.04E-05
342	0.63893	8.4549E-06	5.4021E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.35E-11	1,000,000	7.35E-05
343	0.74452	8.4549E-06	6.2948E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.56E-11	1,000,000	8.56E-05
344	0.90088	8.4549E-06	7.6168E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	1.09409	8.4549E-06	9.2504E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
346	1.34867	8.4549E-06	1.1403E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
347	1.56424	8.4549E-06	1.3225E-05	3.46E-04	4.58E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
348	1.78627	8.4549E-06	1.5103E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
349	1.71631	8.4549E-06	1.4511E-05	3.46E-04	5.02E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
350	1.74685	8.4549E-06	1.4769E-05	3.46E-04	5.11E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
351	1.74219	8.4549E-06	1.473E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
352	1.63654	8.4549E-06	1.3837E-05	3.46E-04	4.79E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
353	1.66929	8.4549E-06	1.4114E-05	3.46E-04	4.89E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
354	1.58231	8.4549E-06	1.3378E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
355	1.50986	8.4549E-06	1.2766E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
356	1.42148	8.4549E-06	1.2018E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
357	1.29296	8.4549E-06	1.0932E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
358	1.17617	8.4549E-06	9.9444E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
359	0.27606	8.4549E-06	2.3341E-06	3.46E-04	8.08E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
360	0.31022	8.4549E-06	2.6229E-06	3.46E-04	9.08E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
361	0.34744	8.4549E-06	2.9376E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
362	0.39172	8.4549E-06	3.3119E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
363	0.44071	8.4549E-06	3.7261E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
364	0.51564	8.4549E-06	4.3597E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.93E-11	1,000,000	5.93E-05
365	0.60502	8.4549E-06	5.1154E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.96E-11	1,000,000	6.96E-05
366	0.71791	8.4549E-06	6.0698E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.25E-11	1,000,000	8.25E-05
367	0.86817	8.4549E-06	7.3403E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.98E-11	1,000,000	9.98E-05
368	1.00752	8.4549E-06	8.5185E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
369	1.1185	8.4549E-06	9.4568E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
370	1.18293	8.4549E-06	1.0002E-05	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
371	1.25658	8.4549E-06	1.0624E-05	3.46E-04	3.68E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
372	1.27871	8.4549E-06	1.0811E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
373	1.23722	8.4549E-06	1.0461E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
374	1.18421	8.4549E-06	1.0012E-05	3.46E-04	3.47E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
375	1.2114	8.4549E-06	1.0242E-05	3.46E-04	3.55E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
376	1.18057	8.4549E-06	9.9816E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
377	1.16869	8.4549E-06	9.8811E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	1.16819	8.4549E-06	9.8769E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
379	1.10911	8.4549E-06	9.3774E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
380	1.03045	8.4549E-06	8.7123E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
381	0.81837	8.4549E-06	6.9192E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.41E-11	1,000,000	9.41E-05
382	0.91373	8.4549E-06	7.7255E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
383	1.02287	8.4549E-06	8.6482E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
384	1.14652	8.4549E-06	9.6937E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
385	1.28445	8.4549E-06	1.086E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
386	1.43295	8.4549E-06	1.2115E-05	3.46E-04	4.19E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
387	1.58509	8.4549E-06	1.3402E-05	3.46E-04	4.64E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
388	1.732	8.4549E-06	1.4644E-05	3.46E-04	5.07E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
389	1.85759	8.4549E-06	1.5706E-05	3.46E-04	5.44E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
390	1.9449	8.4549E-06	1.6444E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
391	1.97839	8.4549E-06	1.6727E-05	3.46E-04	5.79E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
392	1.95216	8.4549E-06	1.6505E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
393	1.86981	8.4549E-06	1.5809E-05	3.46E-04	5.47E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
394	1.74816	8.4549E-06	1.478E-05	3.46E-04	5.12E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
395	1.59841	8.4549E-06	1.3514E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
396	1.44289	8.4549E-06	1.2199E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
397	1.29248	8.4549E-06	1.0928E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
398	1.15266	8.4549E-06	9.7456E-06	3.46E-04	3.37E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
399	0.88444	8.4549E-06	7.4778E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
400	0.99935	8.4549E-06	8.4494E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
401	1.1348	8.4549E-06	9.5946E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
402	1.29326	8.4549E-06	1.0934E-05	3.46E-04	3.79E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
403	1.4763	8.4549E-06	1.2482E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
404	1.68197	8.4549E-06	1.4221E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
405	1.90505	8.4549E-06	1.6107E-05	3.46E-04	5.58E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
406	2.13104	8.4549E-06	1.8018E-05	3.46E-04	6.24E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
407	2.33388	8.4549E-06	1.9733E-05	3.46E-04	6.83E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
408	2.48303	8.4549E-06	2.0994E-05	3.46E-04	7.27E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
409	2.54185	8.4549E-06	2.1491E-05	3.46E-04	7.44E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
410	2.49409	8.4549E-06	2.1087E-05	3.46E-04	7.30E-09	0.25	1.57E-01	2.87E-10	1,000,000	2.87E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	2.35882	8.4549E-06	1.9944E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
412	2.163	8.4549E-06	1.8288E-05	3.46E-04	6.33E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
413	1.93335	8.4549E-06	1.6346E-05	3.46E-04	5.66E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
414	1.70521	8.4549E-06	1.4417E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
415	1.49311	8.4549E-06	1.2624E-05	3.46E-04	4.37E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
416	1.30191	8.4549E-06	1.1007E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
417	0.95071	8.4549E-06	8.0381E-06	3.46E-04	2.78E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
418	1.0876	8.4549E-06	9.1955E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
419	1.2538	8.4549E-06	1.0601E-05	3.46E-04	3.67E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
420	1.45548	8.4549E-06	1.2306E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
421	1.69934	8.4549E-06	1.4368E-05	3.46E-04	4.97E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
422	1.99078	8.4549E-06	1.6832E-05	3.46E-04	5.83E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
423	2.32684	8.4549E-06	1.9673E-05	3.46E-04	6.81E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
424	2.68929	8.4549E-06	2.2738E-05	3.46E-04	7.87E-09	0.25	1.57E-01	3.09E-10	1,000,000	3.09E-04
425	3.03341	8.4549E-06	2.5647E-05	3.46E-04	8.88E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
426	3.30016	8.4549E-06	2.7902E-05	3.46E-04	9.66E-09	0.25	1.57E-01	3.79E-10	1,000,000	3.79E-04
427	3.40573	8.4549E-06	2.8795E-05	3.46E-04	9.97E-09	0.25	1.57E-01	3.92E-10	1,000,000	3.92E-04
428	3.32596	8.4549E-06	2.8121E-05	3.46E-04	9.73E-09	0.25	1.57E-01	3.82E-10	1,000,000	3.82E-04
429	3.08076	8.4549E-06	2.6047E-05	3.46E-04	9.02E-09	0.25	1.57E-01	3.54E-10	1,000,000	3.54E-04
430	2.73688	8.4549E-06	2.314E-05	3.46E-04	8.01E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
431	2.37066	8.4549E-06	2.0044E-05	3.46E-04	6.94E-09	0.25	1.57E-01	2.73E-10	1,000,000	2.73E-04
432	2.02859	8.4549E-06	1.7151E-05	3.46E-04	5.94E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
433	1.73622	8.4549E-06	1.468E-05	3.46E-04	5.08E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
434	1.4822	8.4549E-06	1.2532E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
435	1.01367	8.4549E-06	8.5705E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
436	1.17398	8.4549E-06	9.9259E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
437	1.375	8.4549E-06	1.1625E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
438	1.62862	8.4549E-06	1.377E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
439	1.95119	8.4549E-06	1.6497E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
440	2.36096	8.4549E-06	1.9962E-05	3.46E-04	6.91E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
441	2.87191	8.4549E-06	2.4282E-05	3.46E-04	8.41E-09	0.25	1.57E-01	3.30E-10	1,000,000	3.30E-04
442	3.47718	8.4549E-06	2.9399E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.00E-10	1,000,000	4.00E-04
443	4.11613	8.4549E-06	3.4801E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.73E-10	1,000,000	4.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	4.6433	8.4549E-06	3.9259E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.34E-10	1,000,000	5.34E-04
445	4.87101	8.4549E-06	4.1184E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.60E-10	1,000,000	5.60E-04
446	4.70211	8.4549E-06	3.9756E-05	3.46E-04	1.38E-08	0.25	1.57E-01	5.41E-10	1,000,000	5.41E-04
447	4.20865	8.4549E-06	3.5584E-05	3.46E-04	1.23E-08	0.25	1.57E-01	4.84E-10	1,000,000	4.84E-04
448	3.5659	8.4549E-06	3.0149E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.10E-10	1,000,000	4.10E-04
449	2.9551	8.4549E-06	2.4985E-05	3.46E-04	8.65E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
450	2.43584	8.4549E-06	2.0595E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
451	2.00492	8.4549E-06	1.6951E-05	3.46E-04	5.87E-09	0.25	1.57E-01	2.31E-10	1,000,000	2.31E-04
452	1.67649	8.4549E-06	1.4175E-05	3.46E-04	4.91E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
453	1.02073	8.4549E-06	8.6301E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
454	1.23708	8.4549E-06	1.0459E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
455	1.49014	8.4549E-06	1.2599E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
456	1.80125	8.4549E-06	1.5229E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
457	2.21808	8.4549E-06	1.8754E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
458	2.78612	8.4549E-06	2.3556E-05	3.46E-04	8.15E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
459	3.56376	8.4549E-06	3.0131E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.10E-10	1,000,000	4.10E-04
460	4.60452	8.4549E-06	3.8931E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.29E-10	1,000,000	5.29E-04
461	5.87313	8.4549E-06	4.9657E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.75E-10	1,000,000	6.75E-04
462	7.08581	8.4549E-06	5.991E-05	3.46E-04	2.07E-08	0.25	1.57E-01	8.15E-10	1,000,000	8.15E-04
463	7.67183	8.4549E-06	6.4864E-05	3.46E-04	2.25E-08	0.25	1.57E-01	8.82E-10	1,000,000	8.82E-04
464	7.24162	8.4549E-06	6.1227E-05	3.46E-04	2.12E-08	0.25	1.57E-01	8.33E-10	1,000,000	8.33E-04
465	6.08803	8.4549E-06	5.1474E-05	3.46E-04	1.78E-08	0.25	1.57E-01	7.00E-10	1,000,000	7.00E-04
466	4.80297	8.4549E-06	4.0609E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.52E-10	1,000,000	5.52E-04
467	3.72852	8.4549E-06	3.1524E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
468	2.91738	8.4549E-06	2.4666E-05	3.46E-04	8.54E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
469	2.32458	8.4549E-06	1.9654E-05	3.46E-04	6.80E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
470	1.89045	8.4549E-06	1.5984E-05	3.46E-04	5.53E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
471	0.96015	8.4549E-06	8.118E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
472	1.2028	8.4549E-06	1.017E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
473	1.5189	8.4549E-06	1.2842E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
474	1.93811	8.4549E-06	1.6386E-05	3.46E-04	5.67E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
475	2.46813	8.4549E-06	2.0868E-05	3.46E-04	7.22E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04
476	6.6463	8.4549E-06	5.6194E-05	3.46E-04	1.95E-08	0.25	1.57E-01	7.64E-10	1,000,000	7.64E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	4.69735	8.4549E-06	3.9716E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.40E-10	1,000,000	5.40E-04
478	3.49487	8.4549E-06	2.9549E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.02E-10	1,000,000	4.02E-04
479	2.68211	8.4549E-06	2.2677E-05	3.46E-04	7.85E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
480	2.1199	8.4549E-06	1.7923E-05	3.46E-04	6.20E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
481	0.92382	8.4549E-06	7.8108E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
482	1.15367	8.4549E-06	9.7541E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
483	1.4178	8.4549E-06	1.1987E-05	3.46E-04	4.15E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
484	1.8093	8.4549E-06	1.5297E-05	3.46E-04	5.30E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
485	2.5445	8.4549E-06	2.1513E-05	3.46E-04	7.45E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
486	9.27532	8.4549E-06	7.8422E-05	3.46E-04	2.71E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
487	5.93999	8.4549E-06	5.0222E-05	3.46E-04	1.74E-08	0.25	1.57E-01	6.83E-10	1,000,000	6.83E-04
488	4.124	8.4549E-06	3.4868E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
489	3.05483	8.4549E-06	2.5828E-05	3.46E-04	8.94E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
490	2.35861	8.4549E-06	1.9942E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
491	0.84165	8.4549E-06	7.116E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.68E-11	1,000,000	9.68E-05
492	1.05551	8.4549E-06	8.9242E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
493	1.30666	8.4549E-06	1.1048E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
494	1.7064	8.4549E-06	1.4427E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
495	2.33374	8.4549E-06	1.9731E-05	3.46E-04	6.83E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
496	9.43554	8.4549E-06	7.9776E-05	3.46E-04	2.76E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
497	20.62984	8.4549E-06	0.00017442	3.46E-04	6.04E-08	0.25	1.57E-01	2.37E-09	1,000,000	2.37E-03
498	28.99683	8.4549E-06	0.00024516	3.46E-04	8.49E-08	0.25	1.57E-01	3.33E-09	1,000,000	3.33E-03
499	12.55275	8.4549E-06	0.00010613	3.46E-04	3.67E-08	0.25	1.57E-01	1.44E-09	1,000,000	1.44E-03
500	7.18175	8.4549E-06	6.0721E-05	3.46E-04	2.10E-08	0.25	1.57E-01	8.26E-10	1,000,000	8.26E-04
501	4.74004	8.4549E-06	4.0076E-05	3.46E-04	1.39E-08	0.25	1.57E-01	5.45E-10	1,000,000	5.45E-04
502	3.39494	8.4549E-06	2.8704E-05	3.46E-04	9.94E-09	0.25	1.57E-01	3.90E-10	1,000,000	3.90E-04
503	2.57061	8.4549E-06	2.1734E-05	3.46E-04	7.52E-09	0.25	1.57E-01	2.96E-10	1,000,000	2.96E-04
504	0.7551	8.4549E-06	6.3843E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.68E-11	1,000,000	8.68E-05
505	0.90439	8.4549E-06	7.6465E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
506	1.18082	8.4549E-06	9.9837E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
507	1.49136	8.4549E-06	1.2609E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
508	2.12727	8.4549E-06	1.7986E-05	3.46E-04	6.23E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
509	3.01604	8.4549E-06	2.55E-05	3.46E-04	8.83E-09	0.25	1.57E-01	3.47E-10	1,000,000	3.47E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	4.58612	8.4549E-06	3.8775E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.27E-10	1,000,000	5.27E-04
511	8.11758	8.4549E-06	6.8633E-05	3.46E-04	2.38E-08	0.25	1.57E-01	9.33E-10	1,000,000	9.33E-04
512	17.99908	8.4549E-06	0.00015218	3.46E-04	5.27E-08	0.25	1.57E-01	2.07E-09	1,000,000	2.07E-03
513	49.49293	8.4549E-06	0.00041846	3.46E-04	1.45E-07	0.25	1.57E-01	5.69E-09	1,000,000	5.69E-03
514	86.09382	8.4549E-06	0.00072791	3.46E-04	2.52E-07	0.25	1.57E-01	9.90E-09	1,000,000	9.90E-03
515	66.9847	8.4549E-06	0.00056635	3.46E-04	1.96E-07	0.25	1.57E-01	7.70E-09	1,000,000	7.70E-03
516	27.19465	8.4549E-06	0.00022993	3.46E-04	7.96E-08	0.25	1.57E-01	3.13E-09	1,000,000	3.13E-03
517	12.9193	8.4549E-06	0.00010923	3.46E-04	3.78E-08	0.25	1.57E-01	1.49E-09	1,000,000	1.49E-03
518	7.54788	8.4549E-06	6.3816E-05	3.46E-04	2.21E-08	0.25	1.57E-01	8.68E-10	1,000,000	8.68E-04
519	4.98768	8.4549E-06	4.217E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.73E-10	1,000,000	5.73E-04
520	3.56518	8.4549E-06	3.0143E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.10E-10	1,000,000	4.10E-04
521	2.69046	8.4549E-06	2.2748E-05	3.46E-04	7.87E-09	0.25	1.57E-01	3.09E-10	1,000,000	3.09E-04
522	0.66563	8.4549E-06	5.6278E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.65E-11	1,000,000	7.65E-05
523	0.81803	8.4549E-06	6.9163E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.41E-11	1,000,000	9.41E-05
524	1.0238	8.4549E-06	8.6561E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
525	1.30337	8.4549E-06	1.102E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
526	1.66227	8.4549E-06	1.4054E-05	3.46E-04	4.87E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
527	2.5168	8.4549E-06	2.1279E-05	3.46E-04	7.37E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
528	3.73574	8.4549E-06	3.1585E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.30E-10	1,000,000	4.30E-04
529	5.90267	8.4549E-06	4.9906E-05	3.46E-04	1.73E-08	0.25	1.57E-01	6.79E-10	1,000,000	6.79E-04
530	10.22433	8.4549E-06	8.6445E-05	3.46E-04	2.99E-08	0.25	1.57E-01	1.18E-09	1,000,000	1.18E-03
531	17.4283	8.4549E-06	0.00014735	3.46E-04	5.10E-08	0.25	1.57E-01	2.00E-09	1,000,000	2.00E-03
532	22.96726	8.4549E-06	0.00019419	3.46E-04	6.72E-08	0.25	1.57E-01	2.64E-09	1,000,000	2.64E-03
533	20.89791	8.4549E-06	0.00017669	3.46E-04	6.12E-08	0.25	1.57E-01	2.40E-09	1,000,000	2.40E-03
534	14.72325	8.4549E-06	0.00012448	3.46E-04	4.31E-08	0.25	1.57E-01	1.69E-09	1,000,000	1.69E-03
535	9.69528	8.4549E-06	8.1972E-05	3.46E-04	2.84E-08	0.25	1.57E-01	1.11E-09	1,000,000	1.11E-03
536	6.54225	8.4549E-06	5.5314E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.52E-10	1,000,000	7.52E-04
537	4.63137	8.4549E-06	3.9158E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.33E-10	1,000,000	5.33E-04
538	3.43524	8.4549E-06	2.9045E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
539	2.64631	8.4549E-06	2.2374E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
540	0.58808	8.4549E-06	4.9721E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.76E-11	1,000,000	6.76E-05
541	0.71319	8.4549E-06	6.0299E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.20E-11	1,000,000	8.20E-05
542	0.87724	8.4549E-06	7.417E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	1.1037	8.4549E-06	9.3316E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
544	1.47228	8.4549E-06	1.2448E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
545	1.9486	8.4549E-06	1.6475E-05	3.46E-04	5.70E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
546	2.78435	8.4549E-06	2.3541E-05	3.46E-04	8.15E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
547	4.02583	8.4549E-06	3.4038E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.63E-10	1,000,000	4.63E-04
548	5.99092	8.4549E-06	5.0652E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.89E-10	1,000,000	6.89E-04
549	8.20324	8.4549E-06	6.9357E-05	3.46E-04	2.40E-08	0.25	1.57E-01	9.43E-10	1,000,000	9.43E-04
550	10.40539	8.4549E-06	8.7976E-05	3.46E-04	3.05E-08	0.25	1.57E-01	1.20E-09	1,000,000	1.20E-03
551	10.25975	8.4549E-06	8.6745E-05	3.46E-04	3.00E-08	0.25	1.57E-01	1.18E-09	1,000,000	1.18E-03
552	8.47322	8.4549E-06	7.164E-05	3.46E-04	2.48E-08	0.25	1.57E-01	9.74E-10	1,000,000	9.74E-04
553	6.58965	8.4549E-06	5.5715E-05	3.46E-04	1.93E-08	0.25	1.57E-01	7.58E-10	1,000,000	7.58E-04
554	5.04961	8.4549E-06	4.2694E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.81E-10	1,000,000	5.81E-04
555	3.9001	8.4549E-06	3.2975E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.48E-10	1,000,000	4.48E-04
556	3.05791	8.4549E-06	2.5854E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
557	2.44486	8.4549E-06	2.0671E-05	3.46E-04	7.16E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
558	0.52155	8.4549E-06	4.4096E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.00E-11	1,000,000	6.00E-05
559	0.62635	8.4549E-06	5.2957E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.20E-11	1,000,000	7.20E-05
560	0.74159	8.4549E-06	6.2701E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.53E-11	1,000,000	8.53E-05
561	0.92229	8.4549E-06	7.7978E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
562	1.14104	8.4549E-06	9.6474E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
563	1.47322	8.4549E-06	1.2456E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
564	2.02798	8.4549E-06	1.7146E-05	3.46E-04	5.94E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
565	2.69383	8.4549E-06	2.2776E-05	3.46E-04	7.88E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
566	3.76374	8.4549E-06	3.1822E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
567	4.75779	8.4549E-06	4.0227E-05	3.46E-04	1.39E-08	0.25	1.57E-01	5.47E-10	1,000,000	5.47E-04
568	5.64183	8.4549E-06	4.7701E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.49E-10	1,000,000	6.49E-04
569	5.29628	8.4549E-06	4.4779E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04
570	4.79145	8.4549E-06	4.0511E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.51E-10	1,000,000	5.51E-04
571	4.35957	8.4549E-06	3.686E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.01E-10	1,000,000	5.01E-04
572	3.80841	8.4549E-06	3.22E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
573	3.14196	8.4549E-06	2.6565E-05	3.46E-04	9.20E-09	0.25	1.57E-01	3.61E-10	1,000,000	3.61E-04
574	2.59424	8.4549E-06	2.1934E-05	3.46E-04	7.59E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
575	2.15876	8.4549E-06	1.8252E-05	3.46E-04	6.32E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	4.9643E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.6E-03
2	8.4549E-06	5.3978E-06	1.05E-03	5.64E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
3	8.4549E-06	5.873E-06	1.05E-03	6.14E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
4	8.4549E-06	6.3867E-06	1.05E-03	6.68E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
5	8.4549E-06	6.9382E-06	1.05E-03	7.25E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
6	8.4549E-06	7.5178E-06	1.05E-03	7.86E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
7	8.4549E-06	8.1026E-06	1.05E-03	8.47E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
8	8.4549E-06	8.6737E-06	1.05E-03	9.07E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
9	8.4549E-06	9.2062E-06	1.05E-03	9.62E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
10	8.4549E-06	9.6538E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
11	8.4549E-06	9.9799E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
12	8.4549E-06	1.0156E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
13	8.4549E-06	1.0162E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
14	8.4549E-06	9.9943E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
15	8.4549E-06	9.6723E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
16	8.4549E-06	9.2179E-06	1.05E-03	9.63E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
17	8.4549E-06	8.6952E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
18	8.4549E-06	8.1214E-06	1.05E-03	8.49E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
19	8.4549E-06	7.5235E-06	1.05E-03	7.86E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
20	8.4549E-06	6.9508E-06	1.05E-03	7.27E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
21	8.4549E-06	6.3998E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	5.8755E-06	1.05E-03	6.14E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
23	8.4549E-06	5.3289E-06	1.05E-03	5.57E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
24	8.4549E-06	5.8416E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
25	8.4549E-06	6.4134E-06	1.05E-03	6.70E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
26	8.4549E-06	7.0469E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.31E-09	1,000,000	2.31E-03
27	8.4549E-06	7.7389E-06	1.05E-03	8.09E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
28	8.4549E-06	8.4887E-06	1.05E-03	8.87E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
29	8.4549E-06	9.2625E-06	1.05E-03	9.68E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
30	8.4549E-06	1.0048E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
31	8.4549E-06	1.0785E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.54E-09	1,000,000	3.54E-03
32	8.4549E-06	1.1423E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
33	8.4549E-06	1.1892E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
34	8.4549E-06	1.2162E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
35	8.4549E-06	1.2183E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
36	8.4549E-06	1.1952E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.93E-09	1,000,000	3.93E-03
37	8.4549E-06	1.1454E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.76E-09	1,000,000	3.76E-03
38	8.4549E-06	1.0812E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
39	8.4549E-06	1.0091E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
40	8.4549E-06	9.3088E-06	1.05E-03	9.73E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
41	8.4549E-06	8.5158E-06	1.05E-03	8.90E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
42	8.4549E-06	7.7556E-06	1.05E-03	8.11E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
43	8.4549E-06	7.0466E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.31E-09	1,000,000	2.31E-03
44	8.4549E-06	6.4357E-06	1.05E-03	6.73E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
45	8.4549E-06	5.7087E-06	1.05E-03	5.97E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
46	8.4549E-06	6.3121E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
47	8.4549E-06	6.9998E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	7.7798E-06	1.05E-03	8.13E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
49	8.4549E-06	8.6547E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
50	8.4549E-06	9.6225E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.16E-09	1,000,000	3.16E-03
51	8.4549E-06	1.0667E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
52	8.4549E-06	1.175E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.86E-09	1,000,000	3.86E-03
53	8.4549E-06	1.2816E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.21E-09	1,000,000	4.21E-03
54	8.4549E-06	1.3754E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
55	8.4549E-06	1.4476E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.76E-09	1,000,000	4.76E-03
56	8.4549E-06	1.4886E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03
57	8.4549E-06	1.4911E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
58	8.4549E-06	1.4581E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
59	8.4549E-06	1.3829E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.54E-09	1,000,000	4.54E-03
60	8.4549E-06	1.2877E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.23E-09	1,000,000	4.23E-03
61	8.4549E-06	1.1838E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
62	8.4549E-06	1.074E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
63	8.4549E-06	9.6793E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
64	8.4549E-06	8.7007E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
65	8.4549E-06	7.8247E-06	1.05E-03	8.18E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
66	8.4549E-06	7.0478E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
67	8.4549E-06	6.0961E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
68	8.4549E-06	6.8012E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
69	8.4549E-06	7.6232E-06	1.05E-03	7.97E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
70	8.4549E-06	8.5776E-06	1.05E-03	8.97E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
71	8.4549E-06	9.6828E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
72	8.4549E-06	1.0947E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.60E-09	1,000,000	3.60E-03
73	8.4549E-06	1.2366E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.06E-09	1,000,000	4.06E-03
74	8.4549E-06	1.3893E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.56E-09	1,000,000	4.56E-03
75	8.4549E-06	1.5455E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
76	8.4549E-06	1.6917E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.56E-09	1,000,000	5.56E-03
77	8.4549E-06	1.8092E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.94E-09	1,000,000	5.94E-03
78	8.4549E-06	1.8795E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.17E-09	1,000,000	6.17E-03
79	8.4549E-06	1.8821E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03
80	8.4549E-06	1.8213E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.98E-09	1,000,000	5.98E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	1.7073E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.61E-09	1,000,000	5.61E-03
82	8.4549E-06	1.5649E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.14E-09	1,000,000	5.14E-03
83	8.4549E-06	1.4052E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
84	8.4549E-06	1.2504E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.11E-09	1,000,000	4.11E-03
85	8.4549E-06	1.1008E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
86	8.4549E-06	9.7718E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
87	8.4549E-06	8.6581E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
88	8.4549E-06	7.709E-06	1.05E-03	8.06E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
89	8.4549E-06	6.4784E-06	1.05E-03	6.77E-09	2.00	1.57E-01	2.13E-09	1,000,000	2.13E-03
90	8.4549E-06	7.295E-06	1.05E-03	7.62E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
91	8.4549E-06	8.2669E-06	1.05E-03	8.64E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
92	8.4549E-06	9.4286E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
93	8.4549E-06	1.0817E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
94	8.4549E-06	1.2463E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
95	8.4549E-06	1.4397E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.73E-09	1,000,000	4.73E-03
96	8.4549E-06	1.6599E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.45E-09	1,000,000	5.45E-03
97	8.4549E-06	1.899E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.24E-09	1,000,000	6.24E-03
98	8.4549E-06	2.1347E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.01E-09	1,000,000	7.01E-03
99	8.4549E-06	2.3319E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.66E-09	1,000,000	7.66E-03
100	8.4549E-06	2.4521E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.06E-09	1,000,000	8.06E-03
101	8.4549E-06	2.4601E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.08E-09	1,000,000	8.08E-03
102	8.4549E-06	2.3541E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.73E-09	1,000,000	7.73E-03
103	8.4549E-06	2.1647E-05	1.05E-03	2.26E-08	2.00	1.57E-01	7.11E-09	1,000,000	7.11E-03
104	8.4549E-06	1.9281E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.33E-09	1,000,000	6.33E-03
105	8.4549E-06	1.689E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.55E-09	1,000,000	5.55E-03
106	8.4549E-06	1.464E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.81E-09	1,000,000	4.81E-03
107	8.4549E-06	1.2652E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
108	8.4549E-06	1.0975E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
109	8.4549E-06	9.5681E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.14E-09	1,000,000	3.14E-03
110	8.4549E-06	8.4164E-06	1.05E-03	8.80E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
111	8.4549E-06	6.8394E-06	1.05E-03	7.15E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
112	8.4549E-06	7.7727E-06	1.05E-03	8.12E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
113	8.4549E-06	8.9045E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.0296E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
115	8.4549E-06	1.2022E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
116	8.4549E-06	1.4155E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.65E-09	1,000,000	4.65E-03
117	8.4549E-06	1.6795E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
118	8.4549E-06	2.0015E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
119	8.4549E-06	2.3767E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.81E-09	1,000,000	7.81E-03
120	8.4549E-06	2.7789E-05	1.05E-03	2.90E-08	2.00	1.57E-01	9.13E-09	1,000,000	9.13E-03
121	8.4549E-06	3.1451E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
122	8.4549E-06	3.3727E-05	1.05E-03	3.53E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
123	8.4549E-06	3.3896E-05	1.05E-03	3.54E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
124	8.4549E-06	3.186E-05	1.05E-03	3.33E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
125	8.4549E-06	2.8357E-05	1.05E-03	2.96E-08	2.00	1.57E-01	9.32E-09	1,000,000	9.32E-03
126	8.4549E-06	2.4295E-05	1.05E-03	2.54E-08	2.00	1.57E-01	7.98E-09	1,000,000	7.98E-03
127	8.4549E-06	2.0505E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.74E-09	1,000,000	6.74E-03
128	8.4549E-06	1.7226E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.66E-09	1,000,000	5.66E-03
129	8.4549E-06	1.4492E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.76E-09	1,000,000	4.76E-03
130	8.4549E-06	1.2322E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
131	8.4549E-06	1.0562E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.47E-09	1,000,000	3.47E-03
132	8.4549E-06	9.1626E-06	1.05E-03	9.58E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
133	8.4549E-06	7.0033E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
134	8.4549E-06	8.2075E-06	1.05E-03	8.58E-09	2.00	1.57E-01	2.70E-09	1,000,000	2.70E-03
135	8.4549E-06	9.5029E-06	1.05E-03	9.93E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
136	8.4549E-06	1.1141E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
137	8.4549E-06	1.3242E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.35E-09	1,000,000	4.35E-03
138	8.4549E-06	1.5961E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.24E-09	1,000,000	5.24E-03
139	8.4549E-06	1.9526E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.41E-09	1,000,000	6.41E-03
140	8.4549E-06	2.4222E-05	1.05E-03	2.53E-08	2.00	1.57E-01	7.96E-09	1,000,000	7.96E-03
141	8.4549E-06	3.0225E-05	1.05E-03	3.16E-08	2.00	1.57E-01	9.93E-09	1,000,000	9.93E-03
142	8.4549E-06	3.7489E-05	1.05E-03	3.92E-08	2.00	1.57E-01	1.23E-08	1,000,000	1.23E-02
143	8.4549E-06	4.4876E-05	1.05E-03	4.69E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
144	8.4549E-06	4.9977E-05	1.05E-03	5.22E-08	2.00	1.57E-01	1.64E-08	1,000,000	1.64E-02
145	8.4549E-06	5.0383E-05	1.05E-03	5.27E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
146	8.4549E-06	4.5827E-05	1.05E-03	4.79E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	3.867E-05	1.05E-03	4.04E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
148	8.4549E-06	3.1286E-05	1.05E-03	3.27E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
149	8.4549E-06	2.5143E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.26E-09	1,000,000	8.26E-03
150	8.4549E-06	2.0252E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.65E-09	1,000,000	6.65E-03
151	8.4549E-06	1.6545E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.43E-09	1,000,000	5.43E-03
152	8.4549E-06	1.3767E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
153	8.4549E-06	1.1613E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.81E-09	1,000,000	3.81E-03
154	8.4549E-06	9.935E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
155	8.4549E-06	6.3293E-06	1.05E-03	6.62E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
156	8.4549E-06	7.4803E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
157	8.4549E-06	9.4208E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
158	8.4549E-06	1.1325E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.72E-09	1,000,000	3.72E-03
159	8.4549E-06	1.4361E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.72E-09	1,000,000	4.72E-03
160	8.4549E-06	1.771E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.82E-09	1,000,000	5.82E-03
161	8.4549E-06	2.2381E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.35E-09	1,000,000	7.35E-03
162	8.4549E-06	2.9083E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.55E-09	1,000,000	9.55E-03
163	8.4549E-06	3.8785E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
164	8.4549E-06	5.2481E-05	1.05E-03	5.49E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
165	8.4549E-06	6.9352E-05	1.05E-03	7.25E-08	2.00	1.57E-01	2.28E-08	1,000,000	2.28E-02
166	8.4549E-06	8.3241E-05	1.05E-03	8.70E-08	2.00	1.57E-01	2.73E-08	1,000,000	2.73E-02
167	8.4549E-06	8.452E-05	1.05E-03	8.83E-08	2.00	1.57E-01	2.78E-08	1,000,000	2.78E-02
168	8.4549E-06	7.2229E-05	1.05E-03	7.55E-08	2.00	1.57E-01	2.37E-08	1,000,000	2.37E-02
169	8.4549E-06	5.5421E-05	1.05E-03	5.79E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
170	8.4549E-06	4.1025E-05	1.05E-03	4.29E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
171	8.4549E-06	3.0735E-05	1.05E-03	3.21E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
172	8.4549E-06	2.3792E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.82E-09	1,000,000	7.82E-03
173	8.4549E-06	1.8848E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.19E-09	1,000,000	6.19E-03
174	8.4549E-06	1.5318E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.03E-09	1,000,000	5.03E-03
175	8.4549E-06	1.2729E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.18E-09	1,000,000	4.18E-03
176	8.4549E-06	1.0752E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
177	8.4549E-06	6.1507E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
178	8.4549E-06	7.4068E-06	1.05E-03	7.74E-09	2.00	1.57E-01	2.43E-09	1,000,000	2.43E-03
179	8.4549E-06	9.1411E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	1.1647E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
181	8.4549E-06	1.4724E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
182	8.4549E-06	1.8967E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.23E-09	1,000,000	6.23E-03
183	8.4549E-06	2.4976E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.20E-09	1,000,000	8.20E-03
184	8.4549E-06	8.3159E-05	1.05E-03	8.69E-08	2.00	1.57E-01	2.73E-08	1,000,000	2.73E-02
185	8.4549E-06	5.3889E-05	1.05E-03	5.63E-08	2.00	1.57E-01	1.77E-08	1,000,000	1.77E-02
186	8.4549E-06	3.7753E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
187	8.4549E-06	2.7751E-05	1.05E-03	2.90E-08	2.00	1.57E-01	9.12E-09	1,000,000	9.12E-03
188	8.4549E-06	2.1297E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.00E-09	1,000,000	7.00E-03
189	8.4549E-06	1.6948E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.57E-09	1,000,000	5.57E-03
190	8.4549E-06	1.385E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.55E-09	1,000,000	4.55E-03
191	8.4549E-06	1.1556E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.80E-09	1,000,000	3.80E-03
192	8.4549E-06	5.6795E-06	1.05E-03	5.94E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
193	8.4549E-06	6.84E-06	1.05E-03	7.15E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
194	8.4549E-06	8.5487E-06	1.05E-03	8.94E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
195	8.4549E-06	1.0683E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
196	8.4549E-06	1.3736E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
197	8.4549E-06	1.7664E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
198	8.4549E-06	2.4954E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.20E-09	1,000,000	8.20E-03
199	8.4549E-06	0.00010303	1.05E-03	1.08E-07	2.00	1.57E-01	3.38E-08	1,000,000	3.38E-02
200	8.4549E-06	0.00012834	1.05E-03	1.34E-07	2.00	1.57E-01	4.22E-08	1,000,000	4.22E-02
201	8.4549E-06	7.0606E-05	1.05E-03	7.38E-08	2.00	1.57E-01	2.32E-08	1,000,000	2.32E-02
202	8.4549E-06	4.5184E-05	1.05E-03	4.72E-08	2.00	1.57E-01	1.48E-08	1,000,000	1.48E-02
203	8.4549E-06	3.1832E-05	1.05E-03	3.33E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
204	8.4549E-06	2.3765E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.81E-09	1,000,000	7.81E-03
205	8.4549E-06	1.8533E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.09E-09	1,000,000	6.09E-03
206	8.4549E-06	1.4924E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
207	8.4549E-06	1.2331E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
208	8.4549E-06	5.1811E-06	1.05E-03	5.42E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
209	8.4549E-06	6.209E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
210	8.4549E-06	7.3307E-06	1.05E-03	7.66E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
211	8.4549E-06	9.3906E-06	1.05E-03	9.82E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
212	8.4549E-06	1.1983E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.6113E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
214	8.4549E-06	2.2754E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.47E-09	1,000,000	7.47E-03
215	8.4549E-06	3.3362E-05	1.05E-03	3.49E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
216	8.4549E-06	5.9544E-05	1.05E-03	6.22E-08	2.00	1.57E-01	1.96E-08	1,000,000	1.96E-02
217	8.4549E-06	0.00011267	1.05E-03	1.18E-07	2.00	1.57E-01	3.70E-08	1,000,000	3.70E-02
218	8.4549E-06	0.00057658	1.05E-03	6.03E-07	2.00	1.57E-01	1.89E-07	1,000,000	1.89E-01
219	8.4549E-06	0.00016534	1.05E-03	1.73E-07	2.00	1.57E-01	5.43E-08	1,000,000	5.43E-02
220	8.4549E-06	8.2828E-05	1.05E-03	8.66E-08	2.00	1.57E-01	2.72E-08	1,000,000	2.72E-02
221	8.4549E-06	5.0913E-05	1.05E-03	5.32E-08	2.00	1.57E-01	1.67E-08	1,000,000	1.67E-02
222	8.4549E-06	3.4908E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
223	8.4549E-06	2.564E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.42E-09	1,000,000	8.42E-03
224	8.4549E-06	1.9754E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
225	8.4549E-06	1.5762E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.18E-09	1,000,000	5.18E-03
226	8.4549E-06	1.2932E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.25E-09	1,000,000	4.25E-03
227	8.4549E-06	4.6735E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
228	8.4549E-06	5.4996E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
229	8.4549E-06	6.5705E-06	1.05E-03	6.87E-09	2.00	1.57E-01	2.16E-09	1,000,000	2.16E-03
230	8.4549E-06	8.1248E-06	1.05E-03	8.49E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
231	8.4549E-06	1.0358E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.40E-09	1,000,000	3.40E-03
232	8.4549E-06	1.3315E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.37E-09	1,000,000	4.37E-03
233	8.4549E-06	1.9486E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.40E-09	1,000,000	6.40E-03
234	8.4549E-06	2.8606E-05	1.05E-03	2.99E-08	2.00	1.57E-01	9.40E-09	1,000,000	9.40E-03
235	8.4549E-06	4.5351E-05	1.05E-03	4.74E-08	2.00	1.57E-01	1.49E-08	1,000,000	1.49E-02
236	8.4549E-06	8.2779E-05	1.05E-03	8.65E-08	2.00	1.57E-01	2.72E-08	1,000,000	2.72E-02
237	8.4549E-06	0.00016728	1.05E-03	1.75E-07	2.00	1.57E-01	5.50E-08	1,000,000	5.50E-02
238	8.4549E-06	0.00029971	1.05E-03	3.13E-07	2.00	1.57E-01	9.85E-08	1,000,000	9.85E-02
239	8.4549E-06	0.00033249	1.05E-03	3.48E-07	2.00	1.57E-01	1.09E-07	1,000,000	1.09E-01
240	8.4549E-06	0.00022735	1.05E-03	2.38E-07	2.00	1.57E-01	7.47E-08	1,000,000	7.47E-02
241	8.4549E-06	0.0001275	1.05E-03	1.33E-07	2.00	1.57E-01	4.19E-08	1,000,000	4.19E-02
242	8.4549E-06	7.6005E-05	1.05E-03	7.94E-08	2.00	1.57E-01	2.50E-08	1,000,000	2.50E-02
243	8.4549E-06	4.9592E-05	1.05E-03	5.18E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
244	8.4549E-06	3.4904E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
245	8.4549E-06	2.5962E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.53E-09	1,000,000	8.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	2.0123E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.61E-09	1,000,000	6.61E-03
247	8.4549E-06	1.6103E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
248	8.4549E-06	1.3221E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.34E-09	1,000,000	4.34E-03
249	8.4549E-06	4.2282E-06	1.05E-03	4.42E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
250	8.4549E-06	4.9054E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
251	8.4549E-06	5.7732E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
252	8.4549E-06	7.1052E-06	1.05E-03	7.43E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
253	8.4549E-06	8.8447E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03
254	8.4549E-06	1.1835E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
255	8.4549E-06	1.5782E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.18E-09	1,000,000	5.18E-03
256	8.4549E-06	2.3492E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.72E-09	1,000,000	7.72E-03
257	8.4549E-06	3.3949E-05	1.05E-03	3.55E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
258	8.4549E-06	5.1185E-05	1.05E-03	5.35E-08	2.00	1.57E-01	1.68E-08	1,000,000	1.68E-02
259	8.4549E-06	7.997E-05	1.05E-03	8.36E-08	2.00	1.57E-01	2.63E-08	1,000,000	2.63E-02
260	8.4549E-06	0.00011632	1.05E-03	1.22E-07	2.00	1.57E-01	3.82E-08	1,000,000	3.82E-02
261	8.4549E-06	0.00012688	1.05E-03	1.33E-07	2.00	1.57E-01	4.17E-08	1,000,000	4.17E-02
262	8.4549E-06	0.00010695	1.05E-03	1.12E-07	2.00	1.57E-01	3.51E-08	1,000,000	3.51E-02
263	8.4549E-06	7.957E-05	1.05E-03	8.32E-08	2.00	1.57E-01	2.61E-08	1,000,000	2.61E-02
264	8.4549E-06	5.7458E-05	1.05E-03	6.01E-08	2.00	1.57E-01	1.89E-08	1,000,000	1.89E-02
265	8.4549E-06	4.1995E-05	1.05E-03	4.39E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
266	8.4549E-06	3.1525E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
267	8.4549E-06	2.438E-05	1.05E-03	2.55E-08	2.00	1.57E-01	8.01E-09	1,000,000	8.01E-03
268	8.4549E-06	1.9363E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.36E-09	1,000,000	6.36E-03
269	8.4549E-06	1.5739E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.17E-09	1,000,000	5.17E-03
270	8.4549E-06	1.3054E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.29E-09	1,000,000	4.29E-03
271	8.4549E-06	3.7398E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
272	8.4549E-06	4.2968E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
273	8.4549E-06	5.0738E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
274	8.4549E-06	6.0922E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
275	8.4549E-06	7.4974E-06	1.05E-03	7.84E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
276	8.4549E-06	9.6473E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
277	8.4549E-06	1.2652E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
278	8.4549E-06	1.6771E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.51E-09	1,000,000	5.51E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	2.3449E-05	1.05E-03	2.45E-08	2.00	1.57E-01	7.70E-09	1,000,000	7.70E-03
280	8.4549E-06	3.313E-05	1.05E-03	3.46E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
281	8.4549E-06	4.5921E-05	1.05E-03	4.80E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
282	8.4549E-06	5.8524E-05	1.05E-03	6.12E-08	2.00	1.57E-01	1.92E-08	1,000,000	1.92E-02
283	8.4549E-06	6.4582E-05	1.05E-03	6.75E-08	2.00	1.57E-01	2.12E-08	1,000,000	2.12E-02
284	8.4549E-06	5.5472E-05	1.05E-03	5.80E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
285	8.4549E-06	4.9498E-05	1.05E-03	5.17E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
286	8.4549E-06	4.1288E-05	1.05E-03	4.32E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
287	8.4549E-06	3.3126E-05	1.05E-03	3.46E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
288	8.4549E-06	2.6589E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.73E-09	1,000,000	8.73E-03
289	8.4549E-06	2.1554E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.08E-09	1,000,000	7.08E-03
290	8.4549E-06	1.7708E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.82E-09	1,000,000	5.82E-03
291	8.4549E-06	1.4746E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
292	8.4549E-06	1.2445E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
293	8.4549E-06	3.339E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
294	8.4549E-06	3.8368E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
295	8.4549E-06	4.462E-06	1.05E-03	4.66E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
296	8.4549E-06	5.2291E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
297	8.4549E-06	6.3986E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
298	8.4549E-06	7.8985E-06	1.05E-03	8.26E-09	2.00	1.57E-01	2.59E-09	1,000,000	2.59E-03
299	8.4549E-06	9.9693E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
300	8.4549E-06	1.3123E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.31E-09	1,000,000	4.31E-03
301	8.4549E-06	1.6473E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.41E-09	1,000,000	5.41E-03
302	8.4549E-06	2.2136E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.27E-09	1,000,000	7.27E-03
303	8.4549E-06	2.8663E-05	1.05E-03	3.00E-08	2.00	1.57E-01	9.42E-09	1,000,000	9.42E-03
304	8.4549E-06	3.4879E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
305	8.4549E-06	3.6804E-05	1.05E-03	3.85E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
306	8.4549E-06	3.4264E-05	1.05E-03	3.58E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
307	8.4549E-06	3.151E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
308	8.4549E-06	2.8275E-05	1.05E-03	2.96E-08	2.00	1.57E-01	9.29E-09	1,000,000	9.29E-03
309	8.4549E-06	2.5862E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.50E-09	1,000,000	8.50E-03
310	8.4549E-06	2.2114E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.26E-09	1,000,000	7.26E-03
311	8.4549E-06	1.8433E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.06E-09	1,000,000	6.06E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.5658E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.14E-09	1,000,000	5.14E-03
313	8.4549E-06	1.3379E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
314	8.4549E-06	1.1522E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
315	8.4549E-06	2.934E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.64E-10	1,000,000	9.64E-04
316	8.4549E-06	3.3619E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
317	8.4549E-06	3.8698E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
318	8.4549E-06	4.4821E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
319	8.4549E-06	5.2113E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
320	8.4549E-06	6.5322E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
321	8.4549E-06	7.8635E-06	1.05E-03	8.22E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
322	8.4549E-06	9.7517E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.20E-09	1,000,000	3.20E-03
323	8.4549E-06	1.2428E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.08E-09	1,000,000	4.08E-03
324	8.4549E-06	1.5474E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
325	8.4549E-06	1.8978E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.23E-09	1,000,000	6.23E-03
326	8.4549E-06	2.2653E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.44E-09	1,000,000	7.44E-03
327	8.4549E-06	2.7862E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.15E-09	1,000,000	9.15E-03
328	8.4549E-06	2.2635E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.44E-09	1,000,000	7.44E-03
329	8.4549E-06	2.1346E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.01E-09	1,000,000	7.01E-03
330	8.4549E-06	2.028E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.66E-09	1,000,000	6.66E-03
331	8.4549E-06	1.9048E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.26E-09	1,000,000	6.26E-03
332	8.4549E-06	1.7739E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.83E-09	1,000,000	5.83E-03
333	8.4549E-06	1.5994E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.25E-09	1,000,000	5.25E-03
334	8.4549E-06	1.3732E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
335	8.4549E-06	1.191E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
336	8.4549E-06	1.0459E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
337	8.4549E-06	2.6459E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.69E-10	1,000,000	8.69E-04
338	8.4549E-06	2.9818E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04
339	8.4549E-06	3.3468E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
340	8.4549E-06	3.8833E-06	1.05E-03	4.06E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
341	8.4549E-06	4.444E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
342	8.4549E-06	5.4021E-06	1.05E-03	5.65E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
343	8.4549E-06	6.2948E-06	1.05E-03	6.58E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
344	8.4549E-06	7.6168E-06	1.05E-03	7.96E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	9.2504E-06	1.05E-03	9.67E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
346	8.4549E-06	1.1403E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
347	8.4549E-06	1.3225E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.34E-09	1,000,000	4.34E-03
348	8.4549E-06	1.5103E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.96E-09	1,000,000	4.96E-03
349	8.4549E-06	1.4511E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
350	8.4549E-06	1.4769E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.85E-09	1,000,000	4.85E-03
351	8.4549E-06	1.473E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
352	8.4549E-06	1.3837E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.55E-09	1,000,000	4.55E-03
353	8.4549E-06	1.4114E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
354	8.4549E-06	1.3378E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
355	8.4549E-06	1.2766E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
356	8.4549E-06	1.2018E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
357	8.4549E-06	1.0932E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
358	8.4549E-06	9.9444E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
359	8.4549E-06	2.3341E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.67E-10	1,000,000	7.67E-04
360	8.4549E-06	2.6229E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.62E-10	1,000,000	8.62E-04
361	8.4549E-06	2.9376E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.65E-10	1,000,000	9.65E-04
362	8.4549E-06	3.3119E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
363	8.4549E-06	3.7261E-06	1.05E-03	3.89E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
364	8.4549E-06	4.3597E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
365	8.4549E-06	5.1154E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
366	8.4549E-06	6.0698E-06	1.05E-03	6.34E-09	2.00	1.57E-01	1.99E-09	1,000,000	1.99E-03
367	8.4549E-06	7.3403E-06	1.05E-03	7.67E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
368	8.4549E-06	8.5185E-06	1.05E-03	8.90E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
369	8.4549E-06	9.4568E-06	1.05E-03	9.88E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
370	8.4549E-06	1.0002E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.29E-09	1,000,000	3.29E-03
371	8.4549E-06	1.0624E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.49E-09	1,000,000	3.49E-03
372	8.4549E-06	1.0811E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
373	8.4549E-06	1.0461E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
374	8.4549E-06	1.0012E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.29E-09	1,000,000	3.29E-03
375	8.4549E-06	1.0242E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
376	8.4549E-06	9.9816E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
377	8.4549E-06	9.8811E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	9.8769E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
379	8.4549E-06	9.3774E-06	1.05E-03	9.80E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
380	8.4549E-06	8.7123E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
381	8.4549E-06	6.9192E-06	1.05E-03	7.23E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
382	8.4549E-06	7.7255E-06	1.05E-03	8.07E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
383	8.4549E-06	8.6482E-06	1.05E-03	9.04E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
384	8.4549E-06	9.6937E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
385	8.4549E-06	1.086E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
386	8.4549E-06	1.2115E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.98E-09	1,000,000	3.98E-03
387	8.4549E-06	1.3402E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.40E-09	1,000,000	4.40E-03
388	8.4549E-06	1.4644E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.81E-09	1,000,000	4.81E-03
389	8.4549E-06	1.5706E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.16E-09	1,000,000	5.16E-03
390	8.4549E-06	1.6444E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
391	8.4549E-06	1.6727E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
392	8.4549E-06	1.6505E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
393	8.4549E-06	1.5809E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.19E-09	1,000,000	5.19E-03
394	8.4549E-06	1.478E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.86E-09	1,000,000	4.86E-03
395	8.4549E-06	1.3514E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
396	8.4549E-06	1.2199E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.01E-09	1,000,000	4.01E-03
397	8.4549E-06	1.0928E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
398	8.4549E-06	9.7456E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.20E-09	1,000,000	3.20E-03
399	8.4549E-06	7.4778E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
400	8.4549E-06	8.4494E-06	1.05E-03	8.83E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
401	8.4549E-06	9.5946E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03
402	8.4549E-06	1.0934E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
403	8.4549E-06	1.2482E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
404	8.4549E-06	1.4221E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
405	8.4549E-06	1.6107E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
406	8.4549E-06	1.8018E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.92E-09	1,000,000	5.92E-03
407	8.4549E-06	1.9733E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.48E-09	1,000,000	6.48E-03
408	8.4549E-06	2.0994E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.90E-09	1,000,000	6.90E-03
409	8.4549E-06	2.1491E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.06E-09	1,000,000	7.06E-03
410	8.4549E-06	2.1087E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.93E-09	1,000,000	6.93E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	1.9944E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.55E-09	1,000,000	6.55E-03
412	8.4549E-06	1.8288E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.01E-09	1,000,000	6.01E-03
413	8.4549E-06	1.6346E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.37E-09	1,000,000	5.37E-03
414	8.4549E-06	1.4417E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
415	8.4549E-06	1.2624E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.15E-09	1,000,000	4.15E-03
416	8.4549E-06	1.1007E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
417	8.4549E-06	8.0381E-06	1.05E-03	8.40E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03
418	8.4549E-06	9.1955E-06	1.05E-03	9.61E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
419	8.4549E-06	1.0601E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.48E-09	1,000,000	3.48E-03
420	8.4549E-06	1.2306E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
421	8.4549E-06	1.4368E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.72E-09	1,000,000	4.72E-03
422	8.4549E-06	1.6832E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.53E-09	1,000,000	5.53E-03
423	8.4549E-06	1.9673E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.46E-09	1,000,000	6.46E-03
424	8.4549E-06	2.2738E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.47E-09	1,000,000	7.47E-03
425	8.4549E-06	2.5647E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.42E-09	1,000,000	8.42E-03
426	8.4549E-06	2.7902E-05	1.05E-03	2.92E-08	2.00	1.57E-01	9.17E-09	1,000,000	9.17E-03
427	8.4549E-06	2.8795E-05	1.05E-03	3.01E-08	2.00	1.57E-01	9.46E-09	1,000,000	9.46E-03
428	8.4549E-06	2.8121E-05	1.05E-03	2.94E-08	2.00	1.57E-01	9.24E-09	1,000,000	9.24E-03
429	8.4549E-06	2.6047E-05	1.05E-03	2.72E-08	2.00	1.57E-01	8.56E-09	1,000,000	8.56E-03
430	8.4549E-06	2.314E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.60E-09	1,000,000	7.60E-03
431	8.4549E-06	2.0044E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.58E-09	1,000,000	6.58E-03
432	8.4549E-06	1.7151E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.63E-09	1,000,000	5.63E-03
433	8.4549E-06	1.468E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.82E-09	1,000,000	4.82E-03
434	8.4549E-06	1.2532E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.12E-09	1,000,000	4.12E-03
435	8.4549E-06	8.5705E-06	1.05E-03	8.96E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
436	8.4549E-06	9.9259E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
437	8.4549E-06	1.1625E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
438	8.4549E-06	1.377E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
439	8.4549E-06	1.6497E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
440	8.4549E-06	1.9962E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.56E-09	1,000,000	6.56E-03
441	8.4549E-06	2.4282E-05	1.05E-03	2.54E-08	2.00	1.57E-01	7.98E-09	1,000,000	7.98E-03
442	8.4549E-06	2.9399E-05	1.05E-03	3.07E-08	2.00	1.57E-01	9.66E-09	1,000,000	9.66E-03
443	8.4549E-06	3.4801E-05	1.05E-03	3.64E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	3.9259E-05	1.05E-03	4.10E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
445	8.4549E-06	4.1184E-05	1.05E-03	4.30E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
446	8.4549E-06	3.9756E-05	1.05E-03	4.16E-08	2.00	1.57E-01	1.31E-08	1,000,000	1.31E-02
447	8.4549E-06	3.5584E-05	1.05E-03	3.72E-08	2.00	1.57E-01	1.17E-08	1,000,000	1.17E-02
448	8.4549E-06	3.0149E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.90E-09	1,000,000	9.90E-03
449	8.4549E-06	2.4985E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.21E-09	1,000,000	8.21E-03
450	8.4549E-06	2.0595E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.77E-09	1,000,000	6.77E-03
451	8.4549E-06	1.6951E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.57E-09	1,000,000	5.57E-03
452	8.4549E-06	1.4175E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.66E-09	1,000,000	4.66E-03
453	8.4549E-06	8.6301E-06	1.05E-03	9.02E-09	2.00	1.57E-01	2.83E-09	1,000,000	2.83E-03
454	8.4549E-06	1.0459E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
455	8.4549E-06	1.2599E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
456	8.4549E-06	1.5229E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03
457	8.4549E-06	1.8754E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
458	8.4549E-06	2.3556E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.74E-09	1,000,000	7.74E-03
459	8.4549E-06	3.0131E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.90E-09	1,000,000	9.90E-03
460	8.4549E-06	3.8931E-05	1.05E-03	4.07E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
461	8.4549E-06	4.9657E-05	1.05E-03	5.19E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
462	8.4549E-06	5.991E-05	1.05E-03	6.26E-08	2.00	1.57E-01	1.97E-08	1,000,000	1.97E-02
463	8.4549E-06	6.4864E-05	1.05E-03	6.78E-08	2.00	1.57E-01	2.13E-08	1,000,000	2.13E-02
464	8.4549E-06	6.1227E-05	1.05E-03	6.40E-08	2.00	1.57E-01	2.01E-08	1,000,000	2.01E-02
465	8.4549E-06	5.1474E-05	1.05E-03	5.38E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02
466	8.4549E-06	4.0609E-05	1.05E-03	4.24E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
467	8.4549E-06	3.1524E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
468	8.4549E-06	2.4666E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.10E-09	1,000,000	8.10E-03
469	8.4549E-06	1.9654E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.46E-09	1,000,000	6.46E-03
470	8.4549E-06	1.5984E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.25E-09	1,000,000	5.25E-03
471	8.4549E-06	8.118E-06	1.05E-03	8.48E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
472	8.4549E-06	1.017E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
473	8.4549E-06	1.2842E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
474	8.4549E-06	1.6386E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.38E-09	1,000,000	5.38E-03
475	8.4549E-06	2.0868E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.85E-09	1,000,000	6.85E-03
476	8.4549E-06	5.6194E-05	1.05E-03	5.87E-08	2.00	1.57E-01	1.85E-08	1,000,000	1.85E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	3.9716E-05	1.05E-03	4.15E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
478	8.4549E-06	2.9549E-05	1.05E-03	3.09E-08	2.00	1.57E-01	9.71E-09	1,000,000	9.71E-03
479	8.4549E-06	2.2677E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.45E-09	1,000,000	7.45E-03
480	8.4549E-06	1.7923E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.89E-09	1,000,000	5.89E-03
481	8.4549E-06	7.8108E-06	1.05E-03	8.16E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
482	8.4549E-06	9.7541E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.20E-09	1,000,000	3.20E-03
483	8.4549E-06	1.1987E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03
484	8.4549E-06	1.5297E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.03E-09	1,000,000	5.03E-03
485	8.4549E-06	2.1513E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.07E-09	1,000,000	7.07E-03
486	8.4549E-06	7.8422E-05	1.05E-03	8.20E-08	2.00	1.57E-01	2.58E-08	1,000,000	2.58E-02
487	8.4549E-06	5.0222E-05	1.05E-03	5.25E-08	2.00	1.57E-01	1.65E-08	1,000,000	1.65E-02
488	8.4549E-06	3.4868E-05	1.05E-03	3.64E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
489	8.4549E-06	2.5828E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.48E-09	1,000,000	8.48E-03
490	8.4549E-06	1.9942E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.55E-09	1,000,000	6.55E-03
491	8.4549E-06	7.116E-06	1.05E-03	7.44E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
492	8.4549E-06	8.9242E-06	1.05E-03	9.33E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
493	8.4549E-06	1.1048E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.63E-09	1,000,000	3.63E-03
494	8.4549E-06	1.4427E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
495	8.4549E-06	1.9731E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.48E-09	1,000,000	6.48E-03
496	8.4549E-06	7.9776E-05	1.05E-03	8.34E-08	2.00	1.57E-01	2.62E-08	1,000,000	2.62E-02
497	8.4549E-06	0.00017442	1.05E-03	1.82E-07	2.00	1.57E-01	5.73E-08	1,000,000	5.73E-02
498	8.4549E-06	0.00024516	1.05E-03	2.56E-07	2.00	1.57E-01	8.05E-08	1,000,000	8.05E-02
499	8.4549E-06	0.00010613	1.05E-03	1.11E-07	2.00	1.57E-01	3.49E-08	1,000,000	3.49E-02
500	8.4549E-06	6.0721E-05	1.05E-03	6.35E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
501	8.4549E-06	4.0076E-05	1.05E-03	4.19E-08	2.00	1.57E-01	1.32E-08	1,000,000	1.32E-02
502	8.4549E-06	2.8704E-05	1.05E-03	3.00E-08	2.00	1.57E-01	9.43E-09	1,000,000	9.43E-03
503	8.4549E-06	2.1734E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.14E-09	1,000,000	7.14E-03
504	8.4549E-06	6.3843E-06	1.05E-03	6.67E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
505	8.4549E-06	7.6465E-06	1.05E-03	7.99E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
506	8.4549E-06	9.9837E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
507	8.4549E-06	1.2609E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
508	8.4549E-06	1.7986E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
509	8.4549E-06	2.55E-05	1.05E-03	2.67E-08	2.00	1.57E-01	8.38E-09	1,000,000	8.38E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	3.8775E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
511	8.4549E-06	6.8633E-05	1.05E-03	7.17E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02
512	8.4549E-06	0.00015218	1.05E-03	1.59E-07	2.00	1.57E-01	5.00E-08	1,000,000	5.00E-02
513	8.4549E-06	0.00041846	1.05E-03	4.37E-07	2.00	1.57E-01	1.37E-07	1,000,000	1.37E-01
514	8.4549E-06	0.00072791	1.05E-03	7.61E-07	2.00	1.57E-01	2.39E-07	1,000,000	2.39E-01
515	8.4549E-06	0.00056635	1.05E-03	5.92E-07	2.00	1.57E-01	1.86E-07	1,000,000	1.86E-01
516	8.4549E-06	0.00022993	1.05E-03	2.40E-07	2.00	1.57E-01	7.55E-08	1,000,000	7.55E-02
517	8.4549E-06	0.00010923	1.05E-03	1.14E-07	2.00	1.57E-01	3.59E-08	1,000,000	3.59E-02
518	8.4549E-06	6.3816E-05	1.05E-03	6.67E-08	2.00	1.57E-01	2.10E-08	1,000,000	2.10E-02
519	8.4549E-06	4.217E-05	1.05E-03	4.41E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
520	8.4549E-06	3.0143E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.90E-09	1,000,000	9.90E-03
521	8.4549E-06	2.2748E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.47E-09	1,000,000	7.47E-03
522	8.4549E-06	5.6278E-06	1.05E-03	5.88E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
523	8.4549E-06	6.9163E-06	1.05E-03	7.23E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
524	8.4549E-06	8.6561E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
525	8.4549E-06	1.102E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
526	8.4549E-06	1.4054E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
527	8.4549E-06	2.1279E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.99E-09	1,000,000	6.99E-03
528	8.4549E-06	3.1585E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
529	8.4549E-06	4.9906E-05	1.05E-03	5.22E-08	2.00	1.57E-01	1.64E-08	1,000,000	1.64E-02
530	8.4549E-06	8.6445E-05	1.05E-03	9.04E-08	2.00	1.57E-01	2.84E-08	1,000,000	2.84E-02
531	8.4549E-06	0.00014735	1.05E-03	1.54E-07	2.00	1.57E-01	4.84E-08	1,000,000	4.84E-02
532	8.4549E-06	0.00019419	1.05E-03	2.03E-07	2.00	1.57E-01	6.38E-08	1,000,000	6.38E-02
533	8.4549E-06	0.00017669	1.05E-03	1.85E-07	2.00	1.57E-01	5.80E-08	1,000,000	5.80E-02
534	8.4549E-06	0.00012448	1.05E-03	1.30E-07	2.00	1.57E-01	4.09E-08	1,000,000	4.09E-02
535	8.4549E-06	8.1972E-05	1.05E-03	8.57E-08	2.00	1.57E-01	2.69E-08	1,000,000	2.69E-02
536	8.4549E-06	5.5314E-05	1.05E-03	5.78E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
537	8.4549E-06	3.9158E-05	1.05E-03	4.09E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
538	8.4549E-06	2.9045E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.54E-09	1,000,000	9.54E-03
539	8.4549E-06	2.2374E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.35E-09	1,000,000	7.35E-03
540	8.4549E-06	4.9721E-06	1.05E-03	5.20E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
541	8.4549E-06	6.0299E-06	1.05E-03	6.30E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
542	8.4549E-06	7.417E-06	1.05E-03	7.75E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	9.3316E-06	1.05E-03	9.75E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
544	8.4549E-06	1.2448E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
545	8.4549E-06	1.6475E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.41E-09	1,000,000	5.41E-03
546	8.4549E-06	2.3541E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.73E-09	1,000,000	7.73E-03
547	8.4549E-06	3.4038E-05	1.05E-03	3.56E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
548	8.4549E-06	5.0652E-05	1.05E-03	5.29E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
549	8.4549E-06	6.9357E-05	1.05E-03	7.25E-08	2.00	1.57E-01	2.28E-08	1,000,000	2.28E-02
550	8.4549E-06	8.7976E-05	1.05E-03	9.20E-08	2.00	1.57E-01	2.89E-08	1,000,000	2.89E-02
551	8.4549E-06	8.6745E-05	1.05E-03	9.07E-08	2.00	1.57E-01	2.85E-08	1,000,000	2.85E-02
552	8.4549E-06	7.164E-05	1.05E-03	7.49E-08	2.00	1.57E-01	2.35E-08	1,000,000	2.35E-02
553	8.4549E-06	5.5715E-05	1.05E-03	5.82E-08	2.00	1.57E-01	1.83E-08	1,000,000	1.83E-02
554	8.4549E-06	4.2694E-05	1.05E-03	4.46E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
555	8.4549E-06	3.2975E-05	1.05E-03	3.45E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
556	8.4549E-06	2.5854E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
557	8.4549E-06	2.0671E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
558	8.4549E-06	4.4096E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
559	8.4549E-06	5.2957E-06	1.05E-03	5.54E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
560	8.4549E-06	6.2701E-06	1.05E-03	6.55E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
561	8.4549E-06	7.7978E-06	1.05E-03	8.15E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
562	8.4549E-06	9.6474E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
563	8.4549E-06	1.2456E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
564	8.4549E-06	1.7146E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.63E-09	1,000,000	5.63E-03
565	8.4549E-06	2.2776E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.48E-09	1,000,000	7.48E-03
566	8.4549E-06	3.1822E-05	1.05E-03	3.33E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
567	8.4549E-06	4.0227E-05	1.05E-03	4.20E-08	2.00	1.57E-01	1.32E-08	1,000,000	1.32E-02
568	8.4549E-06	4.7701E-05	1.05E-03	4.99E-08	2.00	1.57E-01	1.57E-08	1,000,000	1.57E-02
569	8.4549E-06	4.4779E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
570	8.4549E-06	4.0511E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
571	8.4549E-06	3.686E-05	1.05E-03	3.85E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
572	8.4549E-06	3.22E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
573	8.4549E-06	2.6565E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.73E-09	1,000,000	8.73E-03
574	8.4549E-06	2.1934E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.21E-09	1,000,000	7.21E-03
575	8.4549E-06	1.8252E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.00E-09	1,000,000	6.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	4.9643E-06	6.05E-04	3.00E-09	14.00	4.71E-02	1.98E-09	1,000,000	2.0E-03
2	8.4549E-06	5.3978E-06	6.05E-04	3.27E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
3	8.4549E-06	5.873E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
4	8.4549E-06	6.3867E-06	6.05E-04	3.86E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
5	8.4549E-06	6.9382E-06	6.05E-04	4.20E-09	14.00	4.71E-02	2.77E-09	1,000,000	2.77E-03
6	8.4549E-06	7.5178E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
7	8.4549E-06	8.1026E-06	6.05E-04	4.90E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
8	8.4549E-06	8.6737E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
9	8.4549E-06	9.2062E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
10	8.4549E-06	9.6538E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
11	8.4549E-06	9.9799E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
12	8.4549E-06	1.0156E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
13	8.4549E-06	1.0162E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
14	8.4549E-06	9.9943E-06	6.05E-04	6.05E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
15	8.4549E-06	9.6723E-06	6.05E-04	5.85E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
16	8.4549E-06	9.2179E-06	6.05E-04	5.58E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
17	8.4549E-06	8.6952E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
18	8.4549E-06	8.1214E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
19	8.4549E-06	7.5235E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
20	8.4549E-06	6.9508E-06	6.05E-04	4.21E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
21	8.4549E-06	6.3998E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	5.8755E-06	6.05E-04	3.56E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
23	8.4549E-06	5.3289E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
24	8.4549E-06	5.8416E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
25	8.4549E-06	6.4134E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
26	8.4549E-06	7.0469E-06	6.05E-04	4.26E-09	14.00	4.71E-02	2.81E-09	1,000,000	2.81E-03
27	8.4549E-06	7.7389E-06	6.05E-04	4.68E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
28	8.4549E-06	8.4887E-06	6.05E-04	5.14E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
29	8.4549E-06	9.2625E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.70E-09	1,000,000	3.70E-03
30	8.4549E-06	1.0048E-05	6.05E-04	6.08E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
31	8.4549E-06	1.0785E-05	6.05E-04	6.53E-09	14.00	4.71E-02	4.31E-09	1,000,000	4.31E-03
32	8.4549E-06	1.1423E-05	6.05E-04	6.91E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
33	8.4549E-06	1.1892E-05	6.05E-04	7.20E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
34	8.4549E-06	1.2162E-05	6.05E-04	7.36E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03
35	8.4549E-06	1.2183E-05	6.05E-04	7.37E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
36	8.4549E-06	1.1952E-05	6.05E-04	7.23E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
37	8.4549E-06	1.1454E-05	6.05E-04	6.93E-09	14.00	4.71E-02	4.57E-09	1,000,000	4.57E-03
38	8.4549E-06	1.0812E-05	6.05E-04	6.54E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
39	8.4549E-06	1.0091E-05	6.05E-04	6.11E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
40	8.4549E-06	9.3088E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
41	8.4549E-06	8.5158E-06	6.05E-04	5.15E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
42	8.4549E-06	7.7556E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
43	8.4549E-06	7.0466E-06	6.05E-04	4.26E-09	14.00	4.71E-02	2.81E-09	1,000,000	2.81E-03
44	8.4549E-06	6.4357E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
45	8.4549E-06	5.7087E-06	6.05E-04	3.45E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
46	8.4549E-06	6.3121E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
47	8.4549E-06	6.9998E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	7.7798E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
49	8.4549E-06	8.6547E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
50	8.4549E-06	9.6225E-06	6.05E-04	5.82E-09	14.00	4.71E-02	3.84E-09	1,000,000	3.84E-03
51	8.4549E-06	1.0667E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
52	8.4549E-06	1.175E-05	6.05E-04	7.11E-09	14.00	4.71E-02	4.69E-09	1,000,000	4.69E-03
53	8.4549E-06	1.2816E-05	6.05E-04	7.75E-09	14.00	4.71E-02	5.12E-09	1,000,000	5.12E-03
54	8.4549E-06	1.3754E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
55	8.4549E-06	1.4476E-05	6.05E-04	8.76E-09	14.00	4.71E-02	5.78E-09	1,000,000	5.78E-03
56	8.4549E-06	1.4886E-05	6.05E-04	9.01E-09	14.00	4.71E-02	5.94E-09	1,000,000	5.94E-03
57	8.4549E-06	1.4911E-05	6.05E-04	9.02E-09	14.00	4.71E-02	5.95E-09	1,000,000	5.95E-03
58	8.4549E-06	1.4581E-05	6.05E-04	8.82E-09	14.00	4.71E-02	5.82E-09	1,000,000	5.82E-03
59	8.4549E-06	1.3829E-05	6.05E-04	8.37E-09	14.00	4.71E-02	5.52E-09	1,000,000	5.52E-03
60	8.4549E-06	1.2877E-05	6.05E-04	7.79E-09	14.00	4.71E-02	5.14E-09	1,000,000	5.14E-03
61	8.4549E-06	1.1838E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.73E-09	1,000,000	4.73E-03
62	8.4549E-06	1.074E-05	6.05E-04	6.50E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
63	8.4549E-06	9.6793E-06	6.05E-04	5.86E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
64	8.4549E-06	8.7007E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
65	8.4549E-06	7.8247E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
66	8.4549E-06	7.0478E-06	6.05E-04	4.26E-09	14.00	4.71E-02	2.81E-09	1,000,000	2.81E-03
67	8.4549E-06	6.0961E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
68	8.4549E-06	6.8012E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
69	8.4549E-06	7.6232E-06	6.05E-04	4.61E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
70	8.4549E-06	8.5776E-06	6.05E-04	5.19E-09	14.00	4.71E-02	3.43E-09	1,000,000	3.43E-03
71	8.4549E-06	9.6828E-06	6.05E-04	5.86E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
72	8.4549E-06	1.0947E-05	6.05E-04	6.62E-09	14.00	4.71E-02	4.37E-09	1,000,000	4.37E-03
73	8.4549E-06	1.2366E-05	6.05E-04	7.48E-09	14.00	4.71E-02	4.94E-09	1,000,000	4.94E-03
74	8.4549E-06	1.3893E-05	6.05E-04	8.41E-09	14.00	4.71E-02	5.55E-09	1,000,000	5.55E-03
75	8.4549E-06	1.5455E-05	6.05E-04	9.35E-09	14.00	4.71E-02	6.17E-09	1,000,000	6.17E-03
76	8.4549E-06	1.6917E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.76E-09	1,000,000	6.76E-03
77	8.4549E-06	1.8092E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.23E-09	1,000,000	7.23E-03
78	8.4549E-06	1.8795E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.51E-09	1,000,000	7.51E-03
79	8.4549E-06	1.8821E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.52E-09	1,000,000	7.52E-03
80	8.4549E-06	1.8213E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.27E-09	1,000,000	7.27E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	1.7073E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.82E-09	1,000,000	6.82E-03
82	8.4549E-06	1.5649E-05	6.05E-04	9.47E-09	14.00	4.71E-02	6.25E-09	1,000,000	6.25E-03
83	8.4549E-06	1.4052E-05	6.05E-04	8.50E-09	14.00	4.71E-02	5.61E-09	1,000,000	5.61E-03
84	8.4549E-06	1.2504E-05	6.05E-04	7.57E-09	14.00	4.71E-02	4.99E-09	1,000,000	4.99E-03
85	8.4549E-06	1.1008E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
86	8.4549E-06	9.7718E-06	6.05E-04	5.91E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
87	8.4549E-06	8.6581E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
88	8.4549E-06	7.709E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
89	8.4549E-06	6.4784E-06	6.05E-04	3.92E-09	14.00	4.71E-02	2.59E-09	1,000,000	2.59E-03
90	8.4549E-06	7.295E-06	6.05E-04	4.41E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
91	8.4549E-06	8.2669E-06	6.05E-04	5.00E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
92	8.4549E-06	9.4286E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
93	8.4549E-06	1.0817E-05	6.05E-04	6.55E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
94	8.4549E-06	1.2463E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
95	8.4549E-06	1.4397E-05	6.05E-04	8.71E-09	14.00	4.71E-02	5.75E-09	1,000,000	5.75E-03
96	8.4549E-06	1.6599E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.63E-09	1,000,000	6.63E-03
97	8.4549E-06	1.899E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.58E-09	1,000,000	7.58E-03
98	8.4549E-06	2.1347E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.52E-09	1,000,000	8.52E-03
99	8.4549E-06	2.3319E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.31E-09	1,000,000	9.31E-03
100	8.4549E-06	2.4521E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.79E-09	1,000,000	9.79E-03
101	8.4549E-06	2.4601E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.82E-09	1,000,000	9.82E-03
102	8.4549E-06	2.3541E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.40E-09	1,000,000	9.40E-03
103	8.4549E-06	2.1647E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.64E-09	1,000,000	8.64E-03
104	8.4549E-06	1.9281E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.70E-09	1,000,000	7.70E-03
105	8.4549E-06	1.689E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.74E-09	1,000,000	6.74E-03
106	8.4549E-06	1.464E-05	6.05E-04	8.86E-09	14.00	4.71E-02	5.85E-09	1,000,000	5.85E-03
107	8.4549E-06	1.2652E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.05E-09	1,000,000	5.05E-03
108	8.4549E-06	1.0975E-05	6.05E-04	6.64E-09	14.00	4.71E-02	4.38E-09	1,000,000	4.38E-03
109	8.4549E-06	9.5681E-06	6.05E-04	5.79E-09	14.00	4.71E-02	3.82E-09	1,000,000	3.82E-03
110	8.4549E-06	8.4164E-06	6.05E-04	5.09E-09	14.00	4.71E-02	3.36E-09	1,000,000	3.36E-03
111	8.4549E-06	6.8394E-06	6.05E-04	4.14E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
112	8.4549E-06	7.7727E-06	6.05E-04	4.70E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
113	8.4549E-06	8.9045E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.0296E-05	6.05E-04	6.23E-09	14.00	4.71E-02	4.11E-09	1,000,000	4.11E-03
115	8.4549E-06	1.2022E-05	6.05E-04	7.27E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
116	8.4549E-06	1.4155E-05	6.05E-04	8.56E-09	14.00	4.71E-02	5.65E-09	1,000,000	5.65E-03
117	8.4549E-06	1.6795E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.71E-09	1,000,000	6.71E-03
118	8.4549E-06	2.0015E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.99E-09	1,000,000	7.99E-03
119	8.4549E-06	2.3767E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.49E-09	1,000,000	9.49E-03
120	8.4549E-06	2.7789E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
121	8.4549E-06	3.1451E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
122	8.4549E-06	3.3727E-05	6.05E-04	2.04E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
123	8.4549E-06	3.3896E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
124	8.4549E-06	3.186E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
125	8.4549E-06	2.8357E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
126	8.4549E-06	2.4295E-05	6.05E-04	1.47E-08	14.00	4.71E-02	9.70E-09	1,000,000	9.70E-03
127	8.4549E-06	2.0505E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.19E-09	1,000,000	8.19E-03
128	8.4549E-06	1.7226E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.88E-09	1,000,000	6.88E-03
129	8.4549E-06	1.4492E-05	6.05E-04	8.77E-09	14.00	4.71E-02	5.79E-09	1,000,000	5.79E-03
130	8.4549E-06	1.2322E-05	6.05E-04	7.46E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
131	8.4549E-06	1.0562E-05	6.05E-04	6.39E-09	14.00	4.71E-02	4.22E-09	1,000,000	4.22E-03
132	8.4549E-06	9.1626E-06	6.05E-04	5.54E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
133	8.4549E-06	7.0033E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
134	8.4549E-06	8.2075E-06	6.05E-04	4.97E-09	14.00	4.71E-02	3.28E-09	1,000,000	3.28E-03
135	8.4549E-06	9.5029E-06	6.05E-04	5.75E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
136	8.4549E-06	1.1141E-05	6.05E-04	6.74E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
137	8.4549E-06	1.3242E-05	6.05E-04	8.01E-09	14.00	4.71E-02	5.29E-09	1,000,000	5.29E-03
138	8.4549E-06	1.5961E-05	6.05E-04	9.66E-09	14.00	4.71E-02	6.37E-09	1,000,000	6.37E-03
139	8.4549E-06	1.9526E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.80E-09	1,000,000	7.80E-03
140	8.4549E-06	2.4222E-05	6.05E-04	1.47E-08	14.00	4.71E-02	9.67E-09	1,000,000	9.67E-03
141	8.4549E-06	3.0225E-05	6.05E-04	1.83E-08	14.00	4.71E-02	1.21E-08	1,000,000	1.21E-02
142	8.4549E-06	3.7489E-05	6.05E-04	2.27E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
143	8.4549E-06	4.4876E-05	6.05E-04	2.72E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
144	8.4549E-06	4.9977E-05	6.05E-04	3.02E-08	14.00	4.71E-02	2.00E-08	1,000,000	2.00E-02
145	8.4549E-06	5.0383E-05	6.05E-04	3.05E-08	14.00	4.71E-02	2.01E-08	1,000,000	2.01E-02
146	8.4549E-06	4.5827E-05	6.05E-04	2.77E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	3.867E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
148	8.4549E-06	3.1286E-05	6.05E-04	1.89E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
149	8.4549E-06	2.5143E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
150	8.4549E-06	2.0252E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.09E-09	1,000,000	8.09E-03
151	8.4549E-06	1.6545E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.61E-09	1,000,000	6.61E-03
152	8.4549E-06	1.3767E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
153	8.4549E-06	1.1613E-05	6.05E-04	7.03E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
154	8.4549E-06	9.935E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
155	8.4549E-06	6.3293E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
156	8.4549E-06	7.4803E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
157	8.4549E-06	9.4208E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
158	8.4549E-06	1.1325E-05	6.05E-04	6.85E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
159	8.4549E-06	1.4361E-05	6.05E-04	8.69E-09	14.00	4.71E-02	5.73E-09	1,000,000	5.73E-03
160	8.4549E-06	1.771E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.07E-09	1,000,000	7.07E-03
161	8.4549E-06	2.2381E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03
162	8.4549E-06	2.9083E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
163	8.4549E-06	3.8785E-05	6.05E-04	2.35E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
164	8.4549E-06	5.2481E-05	6.05E-04	3.18E-08	14.00	4.71E-02	2.10E-08	1,000,000	2.10E-02
165	8.4549E-06	6.9352E-05	6.05E-04	4.20E-08	14.00	4.71E-02	2.77E-08	1,000,000	2.77E-02
166	8.4549E-06	8.3241E-05	6.05E-04	5.04E-08	14.00	4.71E-02	3.32E-08	1,000,000	3.32E-02
167	8.4549E-06	8.452E-05	6.05E-04	5.11E-08	14.00	4.71E-02	3.38E-08	1,000,000	3.38E-02
168	8.4549E-06	7.2229E-05	6.05E-04	4.37E-08	14.00	4.71E-02	2.88E-08	1,000,000	2.88E-02
169	8.4549E-06	5.5421E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
170	8.4549E-06	4.1025E-05	6.05E-04	2.48E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
171	8.4549E-06	3.0735E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
172	8.4549E-06	2.3792E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.50E-09	1,000,000	9.50E-03
173	8.4549E-06	1.8848E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.53E-09	1,000,000	7.53E-03
174	8.4549E-06	1.5318E-05	6.05E-04	9.27E-09	14.00	4.71E-02	6.12E-09	1,000,000	6.12E-03
175	8.4549E-06	1.2729E-05	6.05E-04	7.70E-09	14.00	4.71E-02	5.08E-09	1,000,000	5.08E-03
176	8.4549E-06	1.0752E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
177	8.4549E-06	6.1507E-06	6.05E-04	3.72E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
178	8.4549E-06	7.4068E-06	6.05E-04	4.48E-09	14.00	4.71E-02	2.96E-09	1,000,000	2.96E-03
179	8.4549E-06	9.1411E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	1.1647E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
181	8.4549E-06	1.4724E-05	6.05E-04	8.91E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
182	8.4549E-06	1.8967E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.57E-09	1,000,000	7.57E-03
183	8.4549E-06	2.4976E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.97E-09	1,000,000	9.97E-03
184	8.4549E-06	8.3159E-05	6.05E-04	5.03E-08	14.00	4.71E-02	3.32E-08	1,000,000	3.32E-02
185	8.4549E-06	5.3889E-05	6.05E-04	3.26E-08	14.00	4.71E-02	2.15E-08	1,000,000	2.15E-02
186	8.4549E-06	3.7753E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
187	8.4549E-06	2.7751E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
188	8.4549E-06	2.1297E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.51E-09	1,000,000	8.51E-03
189	8.4549E-06	1.6948E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.77E-09	1,000,000	6.77E-03
190	8.4549E-06	1.385E-05	6.05E-04	8.38E-09	14.00	4.71E-02	5.53E-09	1,000,000	5.53E-03
191	8.4549E-06	1.1556E-05	6.05E-04	6.99E-09	14.00	4.71E-02	4.61E-09	1,000,000	4.61E-03
192	8.4549E-06	5.6795E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
193	8.4549E-06	6.84E-06	6.05E-04	4.14E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
194	8.4549E-06	8.5487E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
195	8.4549E-06	1.0683E-05	6.05E-04	6.46E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
196	8.4549E-06	1.3736E-05	6.05E-04	8.31E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
197	8.4549E-06	1.7664E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
198	8.4549E-06	2.4954E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.97E-09	1,000,000	9.97E-03
199	8.4549E-06	0.00010303	6.05E-04	6.23E-08	14.00	4.71E-02	4.11E-08	1,000,000	4.11E-02
200	8.4549E-06	0.00012834	6.05E-04	7.77E-08	14.00	4.71E-02	5.13E-08	1,000,000	5.13E-02
201	8.4549E-06	7.0606E-05	6.05E-04	4.27E-08	14.00	4.71E-02	2.82E-08	1,000,000	2.82E-02
202	8.4549E-06	4.5184E-05	6.05E-04	2.73E-08	14.00	4.71E-02	1.80E-08	1,000,000	1.80E-02
203	8.4549E-06	3.1832E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
204	8.4549E-06	2.3765E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.49E-09	1,000,000	9.49E-03
205	8.4549E-06	1.8533E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.40E-09	1,000,000	7.40E-03
206	8.4549E-06	1.4924E-05	6.05E-04	9.03E-09	14.00	4.71E-02	5.96E-09	1,000,000	5.96E-03
207	8.4549E-06	1.2331E-05	6.05E-04	7.46E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
208	8.4549E-06	5.1811E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
209	8.4549E-06	6.209E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
210	8.4549E-06	7.3307E-06	6.05E-04	4.44E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
211	8.4549E-06	9.3906E-06	6.05E-04	5.68E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
212	8.4549E-06	1.1983E-05	6.05E-04	7.25E-09	14.00	4.71E-02	4.79E-09	1,000,000	4.79E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.6113E-05	6.05E-04	9.75E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
214	8.4549E-06	2.2754E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.09E-09	1,000,000	9.09E-03
215	8.4549E-06	3.3362E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
216	8.4549E-06	5.9544E-05	6.05E-04	3.60E-08	14.00	4.71E-02	2.38E-08	1,000,000	2.38E-02
217	8.4549E-06	0.00011267	6.05E-04	6.82E-08	14.00	4.71E-02	4.50E-08	1,000,000	4.50E-02
218	8.4549E-06	0.00057658	6.05E-04	3.49E-07	14.00	4.71E-02	2.30E-07	1,000,000	2.30E-01
219	8.4549E-06	0.00016534	6.05E-04	1.00E-07	14.00	4.71E-02	6.60E-08	1,000,000	6.60E-02
220	8.4549E-06	8.2828E-05	6.05E-04	5.01E-08	14.00	4.71E-02	3.31E-08	1,000,000	3.31E-02
221	8.4549E-06	5.0913E-05	6.05E-04	3.08E-08	14.00	4.71E-02	2.03E-08	1,000,000	2.03E-02
222	8.4549E-06	3.4908E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
223	8.4549E-06	2.564E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
224	8.4549E-06	1.9754E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.89E-09	1,000,000	7.89E-03
225	8.4549E-06	1.5762E-05	6.05E-04	9.54E-09	14.00	4.71E-02	6.29E-09	1,000,000	6.29E-03
226	8.4549E-06	1.2932E-05	6.05E-04	7.82E-09	14.00	4.71E-02	5.16E-09	1,000,000	5.16E-03
227	8.4549E-06	4.6735E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
228	8.4549E-06	5.4996E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
229	8.4549E-06	6.5705E-06	6.05E-04	3.98E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
230	8.4549E-06	8.1248E-06	6.05E-04	4.92E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
231	8.4549E-06	1.0358E-05	6.05E-04	6.27E-09	14.00	4.71E-02	4.14E-09	1,000,000	4.14E-03
232	8.4549E-06	1.3315E-05	6.05E-04	8.06E-09	14.00	4.71E-02	5.32E-09	1,000,000	5.32E-03
233	8.4549E-06	1.9486E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.78E-09	1,000,000	7.78E-03
234	8.4549E-06	2.8606E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
235	8.4549E-06	4.5351E-05	6.05E-04	2.74E-08	14.00	4.71E-02	1.81E-08	1,000,000	1.81E-02
236	8.4549E-06	8.2779E-05	6.05E-04	5.01E-08	14.00	4.71E-02	3.31E-08	1,000,000	3.31E-02
237	8.4549E-06	0.00016728	6.05E-04	1.01E-07	14.00	4.71E-02	6.68E-08	1,000,000	6.68E-02
238	8.4549E-06	0.00029971	6.05E-04	1.81E-07	14.00	4.71E-02	1.20E-07	1,000,000	1.20E-01
239	8.4549E-06	0.00033249	6.05E-04	2.01E-07	14.00	4.71E-02	1.33E-07	1,000,000	1.33E-01
240	8.4549E-06	0.00022735	6.05E-04	1.38E-07	14.00	4.71E-02	9.08E-08	1,000,000	9.08E-02
241	8.4549E-06	0.0001275	6.05E-04	7.71E-08	14.00	4.71E-02	5.09E-08	1,000,000	5.09E-02
242	8.4549E-06	7.6005E-05	6.05E-04	4.60E-08	14.00	4.71E-02	3.04E-08	1,000,000	3.04E-02
243	8.4549E-06	4.9592E-05	6.05E-04	3.00E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
244	8.4549E-06	3.4904E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
245	8.4549E-06	2.5962E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	2.0123E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.04E-09	1,000,000	8.04E-03
247	8.4549E-06	1.6103E-05	6.05E-04	9.74E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
248	8.4549E-06	1.3221E-05	6.05E-04	8.00E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
249	8.4549E-06	4.2282E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
250	8.4549E-06	4.9054E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
251	8.4549E-06	5.7732E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
252	8.4549E-06	7.1052E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
253	8.4549E-06	8.8447E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
254	8.4549E-06	1.1835E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.73E-09	1,000,000	4.73E-03
255	8.4549E-06	1.5782E-05	6.05E-04	9.55E-09	14.00	4.71E-02	6.30E-09	1,000,000	6.30E-03
256	8.4549E-06	2.3492E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.38E-09	1,000,000	9.38E-03
257	8.4549E-06	3.3949E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
258	8.4549E-06	5.1185E-05	6.05E-04	3.10E-08	14.00	4.71E-02	2.04E-08	1,000,000	2.04E-02
259	8.4549E-06	7.997E-05	6.05E-04	4.84E-08	14.00	4.71E-02	3.19E-08	1,000,000	3.19E-02
260	8.4549E-06	0.00011632	6.05E-04	7.04E-08	14.00	4.71E-02	4.65E-08	1,000,000	4.65E-02
261	8.4549E-06	0.00012688	6.05E-04	7.68E-08	14.00	4.71E-02	5.07E-08	1,000,000	5.07E-02
262	8.4549E-06	0.00010695	6.05E-04	6.47E-08	14.00	4.71E-02	4.27E-08	1,000,000	4.27E-02
263	8.4549E-06	7.957E-05	6.05E-04	4.81E-08	14.00	4.71E-02	3.18E-08	1,000,000	3.18E-02
264	8.4549E-06	5.7458E-05	6.05E-04	3.48E-08	14.00	4.71E-02	2.29E-08	1,000,000	2.29E-02
265	8.4549E-06	4.1995E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
266	8.4549E-06	3.1525E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
267	8.4549E-06	2.438E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.74E-09	1,000,000	9.74E-03
268	8.4549E-06	1.9363E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.73E-09	1,000,000	7.73E-03
269	8.4549E-06	1.5739E-05	6.05E-04	9.52E-09	14.00	4.71E-02	6.29E-09	1,000,000	6.29E-03
270	8.4549E-06	1.3054E-05	6.05E-04	7.90E-09	14.00	4.71E-02	5.21E-09	1,000,000	5.21E-03
271	8.4549E-06	3.7398E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
272	8.4549E-06	4.2968E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
273	8.4549E-06	5.0738E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
274	8.4549E-06	6.0922E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
275	8.4549E-06	7.4974E-06	6.05E-04	4.54E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
276	8.4549E-06	9.6473E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.85E-09	1,000,000	3.85E-03
277	8.4549E-06	1.2652E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.05E-09	1,000,000	5.05E-03
278	8.4549E-06	1.6771E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.70E-09	1,000,000	6.70E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	2.3449E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.36E-09	1,000,000	9.36E-03
280	8.4549E-06	3.313E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
281	8.4549E-06	4.5921E-05	6.05E-04	2.78E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
282	8.4549E-06	5.8524E-05	6.05E-04	3.54E-08	14.00	4.71E-02	2.34E-08	1,000,000	2.34E-02
283	8.4549E-06	6.4582E-05	6.05E-04	3.91E-08	14.00	4.71E-02	2.58E-08	1,000,000	2.58E-02
284	8.4549E-06	5.5472E-05	6.05E-04	3.36E-08	14.00	4.71E-02	2.22E-08	1,000,000	2.22E-02
285	8.4549E-06	4.9498E-05	6.05E-04	2.99E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
286	8.4549E-06	4.1288E-05	6.05E-04	2.50E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
287	8.4549E-06	3.3126E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
288	8.4549E-06	2.6589E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
289	8.4549E-06	2.1554E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.61E-09	1,000,000	8.61E-03
290	8.4549E-06	1.7708E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.07E-09	1,000,000	7.07E-03
291	8.4549E-06	1.4746E-05	6.05E-04	8.92E-09	14.00	4.71E-02	5.89E-09	1,000,000	5.89E-03
292	8.4549E-06	1.2445E-05	6.05E-04	7.53E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
293	8.4549E-06	3.339E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
294	8.4549E-06	3.8368E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
295	8.4549E-06	4.462E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
296	8.4549E-06	5.2291E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
297	8.4549E-06	6.3986E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
298	8.4549E-06	7.8985E-06	6.05E-04	4.78E-09	14.00	4.71E-02	3.15E-09	1,000,000	3.15E-03
299	8.4549E-06	9.9693E-06	6.05E-04	6.03E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
300	8.4549E-06	1.3123E-05	6.05E-04	7.94E-09	14.00	4.71E-02	5.24E-09	1,000,000	5.24E-03
301	8.4549E-06	1.6473E-05	6.05E-04	9.97E-09	14.00	4.71E-02	6.58E-09	1,000,000	6.58E-03
302	8.4549E-06	2.2136E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.84E-09	1,000,000	8.84E-03
303	8.4549E-06	2.8663E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
304	8.4549E-06	3.4879E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
305	8.4549E-06	3.6804E-05	6.05E-04	2.23E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
306	8.4549E-06	3.4264E-05	6.05E-04	2.07E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
307	8.4549E-06	3.151E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
308	8.4549E-06	2.8275E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
309	8.4549E-06	2.5862E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
310	8.4549E-06	2.2114E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.83E-09	1,000,000	8.83E-03
311	8.4549E-06	1.8433E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.36E-09	1,000,000	7.36E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.5658E-05	6.05E-04	9.47E-09	14.00	4.71E-02	6.25E-09	1,000,000	6.25E-03
313	8.4549E-06	1.3379E-05	6.05E-04	8.10E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
314	8.4549E-06	1.1522E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
315	8.4549E-06	2.934E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
316	8.4549E-06	3.3619E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
317	8.4549E-06	3.8698E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
318	8.4549E-06	4.4821E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
319	8.4549E-06	5.2113E-06	6.05E-04	3.15E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
320	8.4549E-06	6.5322E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
321	8.4549E-06	7.8635E-06	6.05E-04	4.76E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03
322	8.4549E-06	9.7517E-06	6.05E-04	5.90E-09	14.00	4.71E-02	3.89E-09	1,000,000	3.89E-03
323	8.4549E-06	1.2428E-05	6.05E-04	7.52E-09	14.00	4.71E-02	4.96E-09	1,000,000	4.96E-03
324	8.4549E-06	1.5474E-05	6.05E-04	9.36E-09	14.00	4.71E-02	6.18E-09	1,000,000	6.18E-03
325	8.4549E-06	1.8978E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.58E-09	1,000,000	7.58E-03
326	8.4549E-06	2.2653E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.05E-09	1,000,000	9.05E-03
327	8.4549E-06	2.7862E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
328	8.4549E-06	2.2635E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.04E-09	1,000,000	9.04E-03
329	8.4549E-06	2.1346E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.52E-09	1,000,000	8.52E-03
330	8.4549E-06	2.028E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.10E-09	1,000,000	8.10E-03
331	8.4549E-06	1.9048E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.61E-09	1,000,000	7.61E-03
332	8.4549E-06	1.7739E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.08E-09	1,000,000	7.08E-03
333	8.4549E-06	1.5994E-05	6.05E-04	9.68E-09	14.00	4.71E-02	6.39E-09	1,000,000	6.39E-03
334	8.4549E-06	1.3732E-05	6.05E-04	8.31E-09	14.00	4.71E-02	5.48E-09	1,000,000	5.48E-03
335	8.4549E-06	1.191E-05	6.05E-04	7.21E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
336	8.4549E-06	1.0459E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
337	8.4549E-06	2.6459E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
338	8.4549E-06	2.9818E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
339	8.4549E-06	3.3468E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
340	8.4549E-06	3.8833E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
341	8.4549E-06	4.444E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
342	8.4549E-06	5.4021E-06	6.05E-04	3.27E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
343	8.4549E-06	6.2948E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
344	8.4549E-06	7.6168E-06	6.05E-04	4.61E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	9.2504E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
346	8.4549E-06	1.1403E-05	6.05E-04	6.90E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
347	8.4549E-06	1.3225E-05	6.05E-04	8.00E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
348	8.4549E-06	1.5103E-05	6.05E-04	9.14E-09	14.00	4.71E-02	6.03E-09	1,000,000	6.03E-03
349	8.4549E-06	1.4511E-05	6.05E-04	8.78E-09	14.00	4.71E-02	5.79E-09	1,000,000	5.79E-03
350	8.4549E-06	1.4769E-05	6.05E-04	8.94E-09	14.00	4.71E-02	5.90E-09	1,000,000	5.90E-03
351	8.4549E-06	1.473E-05	6.05E-04	8.91E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
352	8.4549E-06	1.3837E-05	6.05E-04	8.37E-09	14.00	4.71E-02	5.53E-09	1,000,000	5.53E-03
353	8.4549E-06	1.4114E-05	6.05E-04	8.54E-09	14.00	4.71E-02	5.64E-09	1,000,000	5.64E-03
354	8.4549E-06	1.3378E-05	6.05E-04	8.09E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
355	8.4549E-06	1.2766E-05	6.05E-04	7.72E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
356	8.4549E-06	1.2018E-05	6.05E-04	7.27E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
357	8.4549E-06	1.0932E-05	6.05E-04	6.61E-09	14.00	4.71E-02	4.37E-09	1,000,000	4.37E-03
358	8.4549E-06	9.9444E-06	6.05E-04	6.02E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
359	8.4549E-06	2.3341E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.32E-10	1,000,000	9.32E-04
360	8.4549E-06	2.6229E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
361	8.4549E-06	2.9376E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
362	8.4549E-06	3.3119E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
363	8.4549E-06	3.7261E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
364	8.4549E-06	4.3597E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
365	8.4549E-06	5.1154E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
366	8.4549E-06	6.0698E-06	6.05E-04	3.67E-09	14.00	4.71E-02	2.42E-09	1,000,000	2.42E-03
367	8.4549E-06	7.3403E-06	6.05E-04	4.44E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
368	8.4549E-06	8.5185E-06	6.05E-04	5.15E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
369	8.4549E-06	9.4568E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
370	8.4549E-06	1.0002E-05	6.05E-04	6.05E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
371	8.4549E-06	1.0624E-05	6.05E-04	6.43E-09	14.00	4.71E-02	4.24E-09	1,000,000	4.24E-03
372	8.4549E-06	1.0811E-05	6.05E-04	6.54E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
373	8.4549E-06	1.0461E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
374	8.4549E-06	1.0012E-05	6.05E-04	6.06E-09	14.00	4.71E-02	4.00E-09	1,000,000	4.00E-03
375	8.4549E-06	1.0242E-05	6.05E-04	6.20E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
376	8.4549E-06	9.9816E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
377	8.4549E-06	9.8811E-06	6.05E-04	5.98E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	9.8769E-06	6.05E-04	5.98E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
379	8.4549E-06	9.3774E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
380	8.4549E-06	8.7123E-06	6.05E-04	5.27E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
381	8.4549E-06	6.9192E-06	6.05E-04	4.19E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
382	8.4549E-06	7.7255E-06	6.05E-04	4.67E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
383	8.4549E-06	8.6482E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
384	8.4549E-06	9.6937E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
385	8.4549E-06	1.086E-05	6.05E-04	6.57E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
386	8.4549E-06	1.2115E-05	6.05E-04	7.33E-09	14.00	4.71E-02	4.84E-09	1,000,000	4.84E-03
387	8.4549E-06	1.3402E-05	6.05E-04	8.11E-09	14.00	4.71E-02	5.35E-09	1,000,000	5.35E-03
388	8.4549E-06	1.4644E-05	6.05E-04	8.86E-09	14.00	4.71E-02	5.85E-09	1,000,000	5.85E-03
389	8.4549E-06	1.5706E-05	6.05E-04	9.50E-09	14.00	4.71E-02	6.27E-09	1,000,000	6.27E-03
390	8.4549E-06	1.6444E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
391	8.4549E-06	1.6727E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.68E-09	1,000,000	6.68E-03
392	8.4549E-06	1.6505E-05	6.05E-04	9.99E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
393	8.4549E-06	1.5809E-05	6.05E-04	9.57E-09	14.00	4.71E-02	6.31E-09	1,000,000	6.31E-03
394	8.4549E-06	1.478E-05	6.05E-04	8.94E-09	14.00	4.71E-02	5.90E-09	1,000,000	5.90E-03
395	8.4549E-06	1.3514E-05	6.05E-04	8.18E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03
396	8.4549E-06	1.2199E-05	6.05E-04	7.38E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
397	8.4549E-06	1.0928E-05	6.05E-04	6.61E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
398	8.4549E-06	9.7456E-06	6.05E-04	5.90E-09	14.00	4.71E-02	3.89E-09	1,000,000	3.89E-03
399	8.4549E-06	7.4778E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
400	8.4549E-06	8.4494E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
401	8.4549E-06	9.5946E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03
402	8.4549E-06	1.0934E-05	6.05E-04	6.62E-09	14.00	4.71E-02	4.37E-09	1,000,000	4.37E-03
403	8.4549E-06	1.2482E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
404	8.4549E-06	1.4221E-05	6.05E-04	8.60E-09	14.00	4.71E-02	5.68E-09	1,000,000	5.68E-03
405	8.4549E-06	1.6107E-05	6.05E-04	9.75E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
406	8.4549E-06	1.8018E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.20E-09	1,000,000	7.20E-03
407	8.4549E-06	1.9733E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.88E-09	1,000,000	7.88E-03
408	8.4549E-06	2.0994E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.38E-09	1,000,000	8.38E-03
409	8.4549E-06	2.1491E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.58E-09	1,000,000	8.58E-03
410	8.4549E-06	2.1087E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.42E-09	1,000,000	8.42E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	1.9944E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.96E-09	1,000,000	7.96E-03
412	8.4549E-06	1.8288E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.30E-09	1,000,000	7.30E-03
413	8.4549E-06	1.6346E-05	6.05E-04	9.89E-09	14.00	4.71E-02	6.53E-09	1,000,000	6.53E-03
414	8.4549E-06	1.4417E-05	6.05E-04	8.72E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
415	8.4549E-06	1.2624E-05	6.05E-04	7.64E-09	14.00	4.71E-02	5.04E-09	1,000,000	5.04E-03
416	8.4549E-06	1.1007E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
417	8.4549E-06	8.0381E-06	6.05E-04	4.86E-09	14.00	4.71E-02	3.21E-09	1,000,000	3.21E-03
418	8.4549E-06	9.1955E-06	6.05E-04	5.56E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
419	8.4549E-06	1.0601E-05	6.05E-04	6.41E-09	14.00	4.71E-02	4.23E-09	1,000,000	4.23E-03
420	8.4549E-06	1.2306E-05	6.05E-04	7.45E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
421	8.4549E-06	1.4368E-05	6.05E-04	8.69E-09	14.00	4.71E-02	5.74E-09	1,000,000	5.74E-03
422	8.4549E-06	1.6832E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
423	8.4549E-06	1.9673E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.86E-09	1,000,000	7.86E-03
424	8.4549E-06	2.2738E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.08E-09	1,000,000	9.08E-03
425	8.4549E-06	2.5647E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
426	8.4549E-06	2.7902E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
427	8.4549E-06	2.8795E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
428	8.4549E-06	2.8121E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
429	8.4549E-06	2.6047E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
430	8.4549E-06	2.314E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.24E-09	1,000,000	9.24E-03
431	8.4549E-06	2.0044E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.00E-09	1,000,000	8.00E-03
432	8.4549E-06	1.7151E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.85E-09	1,000,000	6.85E-03
433	8.4549E-06	1.468E-05	6.05E-04	8.88E-09	14.00	4.71E-02	5.86E-09	1,000,000	5.86E-03
434	8.4549E-06	1.2532E-05	6.05E-04	7.58E-09	14.00	4.71E-02	5.00E-09	1,000,000	5.00E-03
435	8.4549E-06	8.5705E-06	6.05E-04	5.19E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
436	8.4549E-06	9.9259E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
437	8.4549E-06	1.1625E-05	6.05E-04	7.03E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
438	8.4549E-06	1.377E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
439	8.4549E-06	1.6497E-05	6.05E-04	9.98E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
440	8.4549E-06	1.9962E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.97E-09	1,000,000	7.97E-03
441	8.4549E-06	2.4282E-05	6.05E-04	1.47E-08	14.00	4.71E-02	9.70E-09	1,000,000	9.70E-03
442	8.4549E-06	2.9399E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
443	8.4549E-06	3.4801E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	3.9259E-05	6.05E-04	2.38E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
445	8.4549E-06	4.1184E-05	6.05E-04	2.49E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
446	8.4549E-06	3.9756E-05	6.05E-04	2.41E-08	14.00	4.71E-02	1.59E-08	1,000,000	1.59E-02
447	8.4549E-06	3.5584E-05	6.05E-04	2.15E-08	14.00	4.71E-02	1.42E-08	1,000,000	1.42E-02
448	8.4549E-06	3.0149E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
449	8.4549E-06	2.4985E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.98E-09	1,000,000	9.98E-03
450	8.4549E-06	2.0595E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.22E-09	1,000,000	8.22E-03
451	8.4549E-06	1.6951E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.77E-09	1,000,000	6.77E-03
452	8.4549E-06	1.4175E-05	6.05E-04	8.58E-09	14.00	4.71E-02	5.66E-09	1,000,000	5.66E-03
453	8.4549E-06	8.6301E-06	6.05E-04	5.22E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
454	8.4549E-06	1.0459E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
455	8.4549E-06	1.2599E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
456	8.4549E-06	1.5229E-05	6.05E-04	9.21E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03
457	8.4549E-06	1.8754E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.49E-09	1,000,000	7.49E-03
458	8.4549E-06	2.3556E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.41E-09	1,000,000	9.41E-03
459	8.4549E-06	3.0131E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
460	8.4549E-06	3.8931E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
461	8.4549E-06	4.9657E-05	6.05E-04	3.00E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
462	8.4549E-06	5.991E-05	6.05E-04	3.62E-08	14.00	4.71E-02	2.39E-08	1,000,000	2.39E-02
463	8.4549E-06	6.4864E-05	6.05E-04	3.92E-08	14.00	4.71E-02	2.59E-08	1,000,000	2.59E-02
464	8.4549E-06	6.1227E-05	6.05E-04	3.70E-08	14.00	4.71E-02	2.45E-08	1,000,000	2.45E-02
465	8.4549E-06	5.1474E-05	6.05E-04	3.11E-08	14.00	4.71E-02	2.06E-08	1,000,000	2.06E-02
466	8.4549E-06	4.0609E-05	6.05E-04	2.46E-08	14.00	4.71E-02	1.62E-08	1,000,000	1.62E-02
467	8.4549E-06	3.1524E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
468	8.4549E-06	2.4666E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.85E-09	1,000,000	9.85E-03
469	8.4549E-06	1.9654E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.85E-09	1,000,000	7.85E-03
470	8.4549E-06	1.5984E-05	6.05E-04	9.67E-09	14.00	4.71E-02	6.38E-09	1,000,000	6.38E-03
471	8.4549E-06	8.118E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
472	8.4549E-06	1.017E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
473	8.4549E-06	1.2842E-05	6.05E-04	7.77E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
474	8.4549E-06	1.6386E-05	6.05E-04	9.91E-09	14.00	4.71E-02	6.54E-09	1,000,000	6.54E-03
475	8.4549E-06	2.0868E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.33E-09	1,000,000	8.33E-03
476	8.4549E-06	5.6194E-05	6.05E-04	3.40E-08	14.00	4.71E-02	2.24E-08	1,000,000	2.24E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	3.9716E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.59E-08	1,000,000	1.59E-02
478	8.4549E-06	2.9549E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
479	8.4549E-06	2.2677E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.06E-09	1,000,000	9.06E-03
480	8.4549E-06	1.7923E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.16E-09	1,000,000	7.16E-03
481	8.4549E-06	7.8108E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
482	8.4549E-06	9.7541E-06	6.05E-04	5.90E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
483	8.4549E-06	1.1987E-05	6.05E-04	7.25E-09	14.00	4.71E-02	4.79E-09	1,000,000	4.79E-03
484	8.4549E-06	1.5297E-05	6.05E-04	9.26E-09	14.00	4.71E-02	6.11E-09	1,000,000	6.11E-03
485	8.4549E-06	2.1513E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.59E-09	1,000,000	8.59E-03
486	8.4549E-06	7.8422E-05	6.05E-04	4.75E-08	14.00	4.71E-02	3.13E-08	1,000,000	3.13E-02
487	8.4549E-06	5.0222E-05	6.05E-04	3.04E-08	14.00	4.71E-02	2.01E-08	1,000,000	2.01E-02
488	8.4549E-06	3.4868E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
489	8.4549E-06	2.5828E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
490	8.4549E-06	1.9942E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.96E-09	1,000,000	7.96E-03
491	8.4549E-06	7.116E-06	6.05E-04	4.31E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
492	8.4549E-06	8.9242E-06	6.05E-04	5.40E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
493	8.4549E-06	1.1048E-05	6.05E-04	6.68E-09	14.00	4.71E-02	4.41E-09	1,000,000	4.41E-03
494	8.4549E-06	1.4427E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
495	8.4549E-06	1.9731E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.88E-09	1,000,000	7.88E-03
496	8.4549E-06	7.9776E-05	6.05E-04	4.83E-08	14.00	4.71E-02	3.19E-08	1,000,000	3.19E-02
497	8.4549E-06	0.00017442	6.05E-04	1.06E-07	14.00	4.71E-02	6.97E-08	1,000,000	6.97E-02
498	8.4549E-06	0.00024516	6.05E-04	1.48E-07	14.00	4.71E-02	9.79E-08	1,000,000	9.79E-02
499	8.4549E-06	0.00010613	6.05E-04	6.42E-08	14.00	4.71E-02	4.24E-08	1,000,000	4.24E-02
500	8.4549E-06	6.0721E-05	6.05E-04	3.67E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
501	8.4549E-06	4.0076E-05	6.05E-04	2.42E-08	14.00	4.71E-02	1.60E-08	1,000,000	1.60E-02
502	8.4549E-06	2.8704E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
503	8.4549E-06	2.1734E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.68E-09	1,000,000	8.68E-03
504	8.4549E-06	6.3843E-06	6.05E-04	3.86E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
505	8.4549E-06	7.6465E-06	6.05E-04	4.63E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
506	8.4549E-06	9.9837E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
507	8.4549E-06	1.2609E-05	6.05E-04	7.63E-09	14.00	4.71E-02	5.04E-09	1,000,000	5.04E-03
508	8.4549E-06	1.7986E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
509	8.4549E-06	2.55E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	3.8775E-05	6.05E-04	2.35E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
511	8.4549E-06	6.8633E-05	6.05E-04	4.15E-08	14.00	4.71E-02	2.74E-08	1,000,000	2.74E-02
512	8.4549E-06	0.00015218	6.05E-04	9.21E-08	14.00	4.71E-02	6.08E-08	1,000,000	6.08E-02
513	8.4549E-06	0.00041846	6.05E-04	2.53E-07	14.00	4.71E-02	1.67E-07	1,000,000	1.67E-01
514	8.4549E-06	0.00072791	6.05E-04	4.40E-07	14.00	4.71E-02	2.91E-07	1,000,000	2.91E-01
515	8.4549E-06	0.00056635	6.05E-04	3.43E-07	14.00	4.71E-02	2.26E-07	1,000,000	2.26E-01
516	8.4549E-06	0.00022993	6.05E-04	1.39E-07	14.00	4.71E-02	9.18E-08	1,000,000	9.18E-02
517	8.4549E-06	0.00010923	6.05E-04	6.61E-08	14.00	4.71E-02	4.36E-08	1,000,000	4.36E-02
518	8.4549E-06	6.3816E-05	6.05E-04	3.86E-08	14.00	4.71E-02	2.55E-08	1,000,000	2.55E-02
519	8.4549E-06	4.217E-05	6.05E-04	2.55E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
520	8.4549E-06	3.0143E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
521	8.4549E-06	2.2748E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.08E-09	1,000,000	9.08E-03
522	8.4549E-06	5.6278E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
523	8.4549E-06	6.9163E-06	6.05E-04	4.18E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
524	8.4549E-06	8.6561E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
525	8.4549E-06	1.102E-05	6.05E-04	6.67E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
526	8.4549E-06	1.4054E-05	6.05E-04	8.50E-09	14.00	4.71E-02	5.61E-09	1,000,000	5.61E-03
527	8.4549E-06	2.1279E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.50E-09	1,000,000	8.50E-03
528	8.4549E-06	3.1585E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
529	8.4549E-06	4.9906E-05	6.05E-04	3.02E-08	14.00	4.71E-02	1.99E-08	1,000,000	1.99E-02
530	8.4549E-06	8.6445E-05	6.05E-04	5.23E-08	14.00	4.71E-02	3.45E-08	1,000,000	3.45E-02
531	8.4549E-06	0.00014735	6.05E-04	8.92E-08	14.00	4.71E-02	5.88E-08	1,000,000	5.88E-02
532	8.4549E-06	0.00019419	6.05E-04	1.17E-07	14.00	4.71E-02	7.75E-08	1,000,000	7.75E-02
533	8.4549E-06	0.00017669	6.05E-04	1.07E-07	14.00	4.71E-02	7.06E-08	1,000,000	7.06E-02
534	8.4549E-06	0.00012448	6.05E-04	7.53E-08	14.00	4.71E-02	4.97E-08	1,000,000	4.97E-02
535	8.4549E-06	8.1972E-05	6.05E-04	4.96E-08	14.00	4.71E-02	3.27E-08	1,000,000	3.27E-02
536	8.4549E-06	5.5314E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
537	8.4549E-06	3.9158E-05	6.05E-04	2.37E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
538	8.4549E-06	2.9045E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
539	8.4549E-06	2.2374E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03
540	8.4549E-06	4.9721E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
541	8.4549E-06	6.0299E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
542	8.4549E-06	7.417E-06	6.05E-04	4.49E-09	14.00	4.71E-02	2.96E-09	1,000,000	2.96E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	9.3316E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
544	8.4549E-06	1.2448E-05	6.05E-04	7.53E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
545	8.4549E-06	1.6475E-05	6.05E-04	9.97E-09	14.00	4.71E-02	6.58E-09	1,000,000	6.58E-03
546	8.4549E-06	2.3541E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.40E-09	1,000,000	9.40E-03
547	8.4549E-06	3.4038E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
548	8.4549E-06	5.0652E-05	6.05E-04	3.06E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
549	8.4549E-06	6.9357E-05	6.05E-04	4.20E-08	14.00	4.71E-02	2.77E-08	1,000,000	2.77E-02
550	8.4549E-06	8.7976E-05	6.05E-04	5.32E-08	14.00	4.71E-02	3.51E-08	1,000,000	3.51E-02
551	8.4549E-06	8.6745E-05	6.05E-04	5.25E-08	14.00	4.71E-02	3.46E-08	1,000,000	3.46E-02
552	8.4549E-06	7.164E-05	6.05E-04	4.33E-08	14.00	4.71E-02	2.86E-08	1,000,000	2.86E-02
553	8.4549E-06	5.5715E-05	6.05E-04	3.37E-08	14.00	4.71E-02	2.22E-08	1,000,000	2.22E-02
554	8.4549E-06	4.2694E-05	6.05E-04	2.58E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
555	8.4549E-06	3.2975E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
556	8.4549E-06	2.5854E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
557	8.4549E-06	2.0671E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.25E-09	1,000,000	8.25E-03
558	8.4549E-06	4.4096E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
559	8.4549E-06	5.2957E-06	6.05E-04	3.20E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
560	8.4549E-06	6.2701E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
561	8.4549E-06	7.7978E-06	6.05E-04	4.72E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
562	8.4549E-06	9.6474E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.85E-09	1,000,000	3.85E-03
563	8.4549E-06	1.2456E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
564	8.4549E-06	1.7146E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.85E-09	1,000,000	6.85E-03
565	8.4549E-06	2.2776E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.10E-09	1,000,000	9.10E-03
566	8.4549E-06	3.1822E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
567	8.4549E-06	4.0227E-05	6.05E-04	2.43E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
568	8.4549E-06	4.7701E-05	6.05E-04	2.89E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02
569	8.4549E-06	4.4779E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
570	8.4549E-06	4.0511E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.62E-08	1,000,000	1.62E-02
571	8.4549E-06	3.686E-05	6.05E-04	2.23E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
572	8.4549E-06	3.22E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
573	8.4549E-06	2.6565E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
574	8.4549E-06	2.1934E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.76E-09	1,000,000	8.76E-03
575	8.4549E-06	1.8252E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.29E-09	1,000,000	7.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**Total Risk**		**Max**	**Receptor #**
1	8.45E-06	4.9643E-06	2.50E-04	1.24E-09	1.40E+01	1.57E-02	2.73E-10	1.0E+06	2.7E-04	4.0E-03	Res	0.580	514
2	8.4549E-06	5.3978E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
3	8.4549E-06	5.873E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
4	8.4549E-06	6.3867E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
5	8.4549E-06	6.9382E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.82E-10	1,000,000	3.82E-04	5.5E-03			
6	8.4549E-06	7.5178E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
7	8.4549E-06	8.1026E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.46E-10	1,000,000	4.46E-04	6.5E-03			
8	8.4549E-06	8.6737E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.9E-03			
9	8.4549E-06	9.2062E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
10	8.4549E-06	9.6538E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.7E-03			
11	8.4549E-06	9.9799E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
12	8.4549E-06	1.0156E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
13	8.4549E-06	1.0162E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
14	8.4549E-06	9.9943E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.50E-10	1,000,000	5.50E-04	8.0E-03			
15	8.4549E-06	9.6723E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			
16	8.4549E-06	9.2179E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.3E-03			
17	8.4549E-06	8.6952E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			
18	8.4549E-06	8.1214E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
19	8.4549E-06	7.5235E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
20	8.4549E-06	6.9508E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.5E-03			
21	8.4549E-06	6.3998E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
22	8.4549E-06	5.8755E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.24E-10	1,000,000	3.24E-04	4.7E-03			
23	8.4549E-06	5.3289E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
24	8.4549E-06	5.8416E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
25	8.4549E-06	6.4134E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
26	8.4549E-06	7.0469E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			
27	8.4549E-06	7.7389E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.26E-10	1,000,000	4.26E-04	6.2E-03			
28	8.4549E-06	8.4887E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.67E-10	1,000,000	4.67E-04	6.8E-03			
29	8.4549E-06	9.2625E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.10E-10	1,000,000	5.10E-04	7.4E-03			
30	8.4549E-06	1.0048E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.53E-10	1,000,000	5.53E-04	8.0E-03			
31	8.4549E-06	1.0785E-05	2.50E-04	2.70E-09	14.00	1.57E-02	5.94E-10	1,000,000	5.94E-04	8.6E-03			
32	8.4549E-06	1.1423E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.29E-10	1,000,000	6.29E-04	9.1E-03			
33	8.4549E-06	1.1892E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.55E-10	1,000,000	6.55E-04	9.5E-03			
34	8.4549E-06	1.2162E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.70E-10	1,000,000	6.70E-04	9.7E-03			
35	8.4549E-06	1.2183E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
36	8.4549E-06	1.1952E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.58E-10	1,000,000	6.58E-04	9.5E-03			
37	8.4549E-06	1.1454E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.31E-10	1,000,000	6.31E-04	9.1E-03			
38	8.4549E-06	1.0812E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.95E-10	1,000,000	5.95E-04	8.6E-03			
39	8.4549E-06	1.0091E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.56E-10	1,000,000	5.56E-04	8.0E-03			
40	8.4549E-06	9.3088E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.13E-10	1,000,000	5.13E-04	7.4E-03			
41	8.4549E-06	8.5158E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
42	8.4549E-06	7.7556E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.27E-10	1,000,000	4.27E-04	6.2E-03			
43	8.4549E-06	7.0466E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			
44	8.4549E-06	6.4357E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
45	8.4549E-06	5.7087E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.14E-10	1,000,000	3.14E-04	4.5E-03			
46	8.4549E-06	6.3121E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
47	8.4549E-06	6.9998E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
48	8.4549E-06	7.7798E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.2E-03			
49	8.4549E-06	8.6547E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
50	8.4549E-06	9.6225E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.30E-10	1,000,000	5.30E-04	7.7E-03			
51	8.4549E-06	1.0667E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
52	8.4549E-06	1.175E-05	2.50E-04	2.94E-09	14.00	1.57E-02	6.47E-10	1,000,000	6.47E-04	9.4E-03			
53	8.4549E-06	1.2816E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.06E-10	1,000,000	7.06E-04	1.0E-02			
54	8.4549E-06	1.3754E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.1E-02			
55	8.4549E-06	1.4476E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.97E-10	1,000,000	7.97E-04	1.2E-02			
56	8.4549E-06	1.4886E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.20E-10	1,000,000	8.20E-04	1.2E-02			
57	8.4549E-06	1.4911E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.2E-02			
58	8.4549E-06	1.4581E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.2E-02			
59	8.4549E-06	1.3829E-05	2.50E-04	3.46E-09	14.00	1.57E-02	7.61E-10	1,000,000	7.61E-04	1.1E-02			
60	8.4549E-06	1.2877E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.09E-10	1,000,000	7.09E-04	1.0E-02			
61	8.4549E-06	1.1838E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.52E-10	1,000,000	6.52E-04	9.4E-03			
62	8.4549E-06	1.074E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.91E-10	1,000,000	5.91E-04	8.6E-03			
63	8.4549E-06	9.6793E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			
64	8.4549E-06	8.7007E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			
65	8.4549E-06	7.8247E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.2E-03			
66	8.4549E-06	7.0478E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			
67	8.4549E-06	6.0961E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
68	8.4549E-06	6.8012E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
69	8.4549E-06	7.6232E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.20E-10	1,000,000	4.20E-04	6.1E-03			
70	8.4549E-06	8.5776E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
71	8.4549E-06	9.6828E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			
72	8.4549E-06	1.0947E-05	2.50E-04	2.74E-09	14.00	1.57E-02	6.03E-10	1,000,000	6.03E-04	8.7E-03			
73	8.4549E-06	1.2366E-05	2.50E-04	3.09E-09	14.00	1.57E-02	6.81E-10	1,000,000	6.81E-04	9.8E-03			
74	8.4549E-06	1.3893E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.65E-10	1,000,000	7.65E-04	1.1E-02			
75	8.4549E-06	1.5455E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.51E-10	1,000,000	8.51E-04	1.2E-02			
76	8.4549E-06	1.6917E-05	2.50E-04	4.23E-09	14.00	1.57E-02	9.31E-10	1,000,000	9.31E-04	1.3E-02			
77	8.4549E-06	1.8092E-05	2.50E-04	4.53E-09	14.00	1.57E-02	9.96E-10	1,000,000	9.96E-04	1.4E-02			
78	8.4549E-06	1.8795E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
79	8.4549E-06	1.8821E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
80	8.4549E-06	1.8213E-05	2.50E-04	4.56E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
81	8.4549E-06	1.7073E-05	2.50E-04	4.27E-09	14.00	1.57E-02	9.40E-10	1,000,000	9.40E-04	1.4E-02			
82	8.4549E-06	1.5649E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.62E-10	1,000,000	8.62E-04	1.2E-02			
83	8.4549E-06	1.4052E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
84	8.4549E-06	1.2504E-05	2.50E-04	3.13E-09	14.00	1.57E-02	6.88E-10	1,000,000	6.88E-04	1.0E-02			
85	8.4549E-06	1.1008E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.8E-03			
86	8.4549E-06	9.7718E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.8E-03			
87	8.4549E-06	8.6581E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
88	8.4549E-06	7.709E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
89	8.4549E-06	6.4784E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.57E-10	1,000,000	3.57E-04	5.2E-03			
90	8.4549E-06	7.295E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.02E-10	1,000,000	4.02E-04	5.8E-03			
91	8.4549E-06	8.2669E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.55E-10	1,000,000	4.55E-04	6.6E-03			
92	8.4549E-06	9.4286E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
93	8.4549E-06	1.0817E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.96E-10	1,000,000	5.96E-04	8.6E-03			
94	8.4549E-06	1.2463E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
95	8.4549E-06	1.4397E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.93E-10	1,000,000	7.93E-04	1.1E-02			
96	8.4549E-06	1.6599E-05	2.50E-04	4.15E-09	14.00	1.57E-02	9.14E-10	1,000,000	9.14E-04	1.3E-02			
97	8.4549E-06	1.899E-05	2.50E-04	4.75E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
98	8.4549E-06	2.1347E-05	2.50E-04	5.34E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
99	8.4549E-06	2.3319E-05	2.50E-04	5.84E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
100	8.4549E-06	2.4521E-05	2.50E-04	6.14E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
101	8.4549E-06	2.4601E-05	2.50E-04	6.16E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
102	8.4549E-06	2.3541E-05	2.50E-04	5.89E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
103	8.4549E-06	2.1647E-05	2.50E-04	5.42E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
104	8.4549E-06	1.9281E-05	2.50E-04	4.83E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
105	8.4549E-06	1.689E-05	2.50E-04	4.23E-09	14.00	1.57E-02	9.30E-10	1,000,000	9.30E-04	1.3E-02			
106	8.4549E-06	1.464E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.06E-10	1,000,000	8.06E-04	1.2E-02			
107	8.4549E-06	1.2652E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
108	8.4549E-06	1.0975E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.04E-10	1,000,000	6.04E-04	8.7E-03			
109	8.4549E-06	9.5681E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.27E-10	1,000,000	5.27E-04	7.6E-03			
110	8.4549E-06	8.4164E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.63E-10	1,000,000	4.63E-04	6.7E-03			
111	8.4549E-06	6.8394E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.4E-03			
112	8.4549E-06	7.7727E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.2E-03			
113	8.4549E-06	8.9045E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
114	8.4549E-06	1.0296E-05	2.50E-04	2.58E-09	14.00	1.57E-02	5.67E-10	1,000,000	5.67E-04	8.2E-03			
115	8.4549E-06	1.2022E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
116	8.4549E-06	1.4155E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.79E-10	1,000,000	7.79E-04	1.1E-02			
117	8.4549E-06	1.6795E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.25E-10	1,000,000	9.25E-04	1.3E-02			
118	8.4549E-06	2.0015E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
119	8.4549E-06	2.3767E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
120	8.4549E-06	2.7789E-05	2.50E-04	6.95E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
121	8.4549E-06	3.1451E-05	2.50E-04	7.87E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
122	8.4549E-06	3.3727E-05	2.50E-04	8.44E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
123	8.4549E-06	3.3896E-05	2.50E-04	8.48E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.7E-02			
124	8.4549E-06	3.186E-05	2.50E-04	7.97E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
125	8.4549E-06	2.8357E-05	2.50E-04	7.10E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
126	8.4549E-06	2.4295E-05	2.50E-04	6.08E-09	14.00	1.57E-02	1.34E-09	1,000,000	1.34E-03	1.9E-02			
127	8.4549E-06	2.0505E-05	2.50E-04	5.13E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
128	8.4549E-06	1.7226E-05	2.50E-04	4.31E-09	14.00	1.57E-02	9.48E-10	1,000,000	9.48E-04	1.4E-02			
129	8.4549E-06	1.4492E-05	2.50E-04	3.63E-09	14.00	1.57E-02	7.98E-10	1,000,000	7.98E-04	1.2E-02			
130	8.4549E-06	1.2322E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
131	8.4549E-06	1.0562E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.82E-10	1,000,000	5.82E-04	8.4E-03			
132	8.4549E-06	9.1626E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.04E-10	1,000,000	5.04E-04	7.3E-03			
133	8.4549E-06	7.0033E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
134	8.4549E-06	8.2075E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.52E-10	1,000,000	4.52E-04	6.5E-03			
135	8.4549E-06	9.5029E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.23E-10	1,000,000	5.23E-04	7.6E-03			
136	8.4549E-06	1.1141E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.13E-10	1,000,000	6.13E-04	8.9E-03			
137	8.4549E-06	1.3242E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.29E-10	1,000,000	7.29E-04	1.1E-02			
138	8.4549E-06	1.5961E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.79E-10	1,000,000	8.79E-04	1.3E-02			
139	8.4549E-06	1.9526E-05	2.50E-04	4.89E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
140	8.4549E-06	2.4222E-05	2.50E-04	6.06E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
141	8.4549E-06	3.0225E-05	2.50E-04	7.56E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
142	8.4549E-06	3.7489E-05	2.50E-04	9.38E-09	14.00	1.57E-02	2.06E-09	1,000,000	2.06E-03	3.0E-02			
143	8.4549E-06	4.4876E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.6E-02			
144	8.4549E-06	4.9977E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.75E-09	1,000,000	2.75E-03	4.0E-02			
145	8.4549E-06	5.0383E-05	2.50E-04	1.26E-08	14.00	1.57E-02	2.77E-09	1,000,000	2.77E-03	4.0E-02			
146	8.4549E-06	4.5827E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.52E-09	1,000,000	2.52E-03	3.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
147	8.4549E-06	3.867E-05	2.50E-04	9.68E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
148	8.4549E-06	3.1286E-05	2.50E-04	7.83E-09	14.00	1.57E-02	1.72E-09	1,000,000	1.72E-03	2.5E-02			
149	8.4549E-06	2.5143E-05	2.50E-04	6.29E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
150	8.4549E-06	2.0252E-05	2.50E-04	5.07E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
151	8.4549E-06	1.6545E-05	2.50E-04	4.14E-09	14.00	1.57E-02	9.11E-10	1,000,000	9.11E-04	1.3E-02			
152	8.4549E-06	1.3767E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
153	8.4549E-06	1.1613E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.39E-10	1,000,000	6.39E-04	9.2E-03			
154	8.4549E-06	9.935E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
155	8.4549E-06	6.3293E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
156	8.4549E-06	7.4803E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
157	8.4549E-06	9.4208E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
158	8.4549E-06	1.1325E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.24E-10	1,000,000	6.24E-04	9.0E-03			
159	8.4549E-06	1.4361E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.91E-10	1,000,000	7.91E-04	1.1E-02			
160	8.4549E-06	1.771E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.75E-10	1,000,000	9.75E-04	1.4E-02			
161	8.4549E-06	2.2381E-05	2.50E-04	5.60E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
162	8.4549E-06	2.9083E-05	2.50E-04	7.28E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
163	8.4549E-06	3.8785E-05	2.50E-04	9.71E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02			
164	8.4549E-06	5.2481E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.89E-09	1,000,000	2.89E-03	4.2E-02			
165	8.4549E-06	6.9352E-05	2.50E-04	1.74E-08	14.00	1.57E-02	3.82E-09	1,000,000	3.82E-03	5.5E-02			
166	8.4549E-06	8.3241E-05	2.50E-04	2.08E-08	14.00	1.57E-02	4.58E-09	1,000,000	4.58E-03	6.6E-02			
167	8.4549E-06	8.452E-05	2.50E-04	2.12E-08	14.00	1.57E-02	4.65E-09	1,000,000	4.65E-03	6.7E-02			
168	8.4549E-06	7.2229E-05	2.50E-04	1.81E-08	14.00	1.57E-02	3.98E-09	1,000,000	3.98E-03	5.8E-02			
169	8.4549E-06	5.5421E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
170	8.4549E-06	4.1025E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.26E-09	1,000,000	2.26E-03	3.3E-02			
171	8.4549E-06	3.0735E-05	2.50E-04	7.69E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
172	8.4549E-06	2.3792E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
173	8.4549E-06	1.8848E-05	2.50E-04	4.72E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
174	8.4549E-06	1.5318E-05	2.50E-04	3.83E-09	14.00	1.57E-02	8.43E-10	1,000,000	8.43E-04	1.2E-02			
175	8.4549E-06	1.2729E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.01E-10	1,000,000	7.01E-04	1.0E-02			
176	8.4549E-06	1.0752E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.6E-03			
177	8.4549E-06	6.1507E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
178	8.4549E-06	7.4068E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.08E-10	1,000,000	4.08E-04	5.9E-03			
179	8.4549E-06	9.1411E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
180	8.4549E-06	1.1647E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
181	8.4549E-06	1.4724E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.11E-10	1,000,000	8.11E-04	1.2E-02			
182	8.4549E-06	1.8967E-05	2.50E-04	4.75E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
183	8.4549E-06	2.4976E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
184	8.4549E-06	8.3159E-05	2.50E-04	2.08E-08	14.00	1.57E-02	4.58E-09	1,000,000	4.58E-03	6.6E-02			
185	8.4549E-06	5.3889E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.97E-09	1,000,000	2.97E-03	4.3E-02			
186	8.4549E-06	3.7753E-05	2.50E-04	9.45E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
187	8.4549E-06	2.7751E-05	2.50E-04	6.95E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
188	8.4549E-06	2.1297E-05	2.50E-04	5.33E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
189	8.4549E-06	1.6948E-05	2.50E-04	4.24E-09	14.00	1.57E-02	9.33E-10	1,000,000	9.33E-04	1.3E-02			
190	8.4549E-06	1.385E-05	2.50E-04	3.47E-09	14.00	1.57E-02	7.63E-10	1,000,000	7.63E-04	1.1E-02			
191	8.4549E-06	1.1556E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.36E-10	1,000,000	6.36E-04	9.2E-03			
192	8.4549E-06	5.6795E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
193	8.4549E-06	6.84E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.4E-03			
194	8.4549E-06	8.5487E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.71E-10	1,000,000	4.71E-04	6.8E-03			
195	8.4549E-06	1.0683E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.88E-10	1,000,000	5.88E-04	8.5E-03			
196	8.4549E-06	1.3736E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.56E-10	1,000,000	7.56E-04	1.1E-02			
197	8.4549E-06	1.7664E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.73E-10	1,000,000	9.73E-04	1.4E-02			
198	8.4549E-06	2.4954E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
199	8.4549E-06	0.00010303	2.50E-04	2.58E-08	14.00	1.57E-02	5.67E-09	1,000,000	5.67E-03	8.2E-02			
200	8.4549E-06	0.00012834	2.50E-04	3.21E-08	14.00	1.57E-02	7.07E-09	1,000,000	7.07E-03	1.0E-01			
201	8.4549E-06	7.0606E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.89E-09	1,000,000	3.89E-03	5.6E-02			
202	8.4549E-06	4.5184E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.49E-09	1,000,000	2.49E-03	3.6E-02			
203	8.4549E-06	3.1832E-05	2.50E-04	7.97E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
204	8.4549E-06	2.3765E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
205	8.4549E-06	1.8533E-05	2.50E-04	4.64E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
206	8.4549E-06	1.4924E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.22E-10	1,000,000	8.22E-04	1.2E-02			
207	8.4549E-06	1.2331E-05	2.50E-04	3.09E-09	14.00	1.57E-02	6.79E-10	1,000,000	6.79E-04	9.8E-03			
208	8.4549E-06	5.1811E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
209	8.4549E-06	6.209E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
210	8.4549E-06	7.3307E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.04E-10	1,000,000	4.04E-04	5.8E-03			
211	8.4549E-06	9.3906E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.17E-10	1,000,000	5.17E-04	7.5E-03			
212	8.4549E-06	1.1983E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.60E-10	1,000,000	6.60E-04	9.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years											
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max Receptor #
213	8.4549E-06	1.6113E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.87E-10	1,000,000	8.87E-04	1.3E-02		
214	8.4549E-06	2.2754E-05	2.50E-04	5.69E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02		
215	8.4549E-06	3.3362E-05	2.50E-04	8.35E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02		
216	8.4549E-06	5.9544E-05	2.50E-04	1.49E-08	14.00	1.57E-02	3.28E-09	1,000,000	3.28E-03	4.7E-02		
217	8.4549E-06	0.00011267	2.50E-04	2.82E-08	14.00	1.57E-02	6.20E-09	1,000,000	6.20E-03	9.0E-02		
218	8.4549E-06	0.00057658	2.50E-04	1.44E-07	14.00	1.57E-02	3.17E-08	1,000,000	3.17E-02	4.6E-01		
219	8.4549E-06	0.00016534	2.50E-04	4.14E-08	14.00	1.57E-02	9.10E-09	1,000,000	9.10E-03	1.3E-01		
220	8.4549E-06	8.2828E-05	2.50E-04	2.07E-08	14.00	1.57E-02	4.56E-09	1,000,000	4.56E-03	6.6E-02		
221	8.4549E-06	5.0913E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.80E-09	1,000,000	2.80E-03	4.1E-02		
222	8.4549E-06	3.4908E-05	2.50E-04	8.74E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02		
223	8.4549E-06	2.564E-05	2.50E-04	6.42E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02		
224	8.4549E-06	1.9754E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02		
225	8.4549E-06	1.5762E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.68E-10	1,000,000	8.68E-04	1.3E-02		
226	8.4549E-06	1.2932E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.12E-10	1,000,000	7.12E-04	1.0E-02		
227	8.4549E-06	4.6735E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03		
228	8.4549E-06	5.4996E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03		
229	8.4549E-06	6.5705E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.62E-10	1,000,000	3.62E-04	5.2E-03		
230	8.4549E-06	8.1248E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03		
231	8.4549E-06	1.0358E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.70E-10	1,000,000	5.70E-04	8.3E-03		
232	8.4549E-06	1.3315E-05	2.50E-04	3.33E-09	14.00	1.57E-02	7.33E-10	1,000,000	7.33E-04	1.1E-02		
233	8.4549E-06	1.9486E-05	2.50E-04	4.88E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02		
234	8.4549E-06	2.8606E-05	2.50E-04	7.16E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02		
235	8.4549E-06	4.5351E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.50E-09	1,000,000	2.50E-03	3.6E-02		
236	8.4549E-06	8.2779E-05	2.50E-04	2.07E-08	14.00	1.57E-02	4.56E-09	1,000,000	4.56E-03	6.6E-02		
237	8.4549E-06	0.00016728	2.50E-04	4.19E-08	14.00	1.57E-02	9.21E-09	1,000,000	9.21E-03	1.3E-01		
238	8.4549E-06	0.00029971	2.50E-04	7.50E-08	14.00	1.57E-02	1.65E-08	1,000,000	1.65E-02	2.4E-01		
239	8.4549E-06	0.00033249	2.50E-04	8.32E-08	14.00	1.57E-02	1.83E-08	1,000,000	1.83E-02	2.6E-01		
240	8.4549E-06	0.00022735	2.50E-04	5.69E-08	14.00	1.57E-02	1.25E-08	1,000,000	1.25E-02	1.8E-01		
241	8.4549E-06	0.0001275	2.50E-04	3.19E-08	14.00	1.57E-02	7.02E-09	1,000,000	7.02E-03	1.0E-01		
242	8.4549E-06	7.6005E-05	2.50E-04	1.90E-08	14.00	1.57E-02	4.18E-09	1,000,000	4.18E-03	6.1E-02		
243	8.4549E-06	4.9592E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	3.9E-02		
244	8.4549E-06	3.4904E-05	2.50E-04	8.74E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02		
245	8.4549E-06	2.5962E-05	2.50E-04	6.50E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02		

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
246	8.4549E-06	2.0123E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
247	8.4549E-06	1.6103E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.87E-10	1,000,000	8.87E-04	1.3E-02			
248	8.4549E-06	1.3221E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.28E-10	1,000,000	7.28E-04	1.1E-02			
249	8.4549E-06	4.2282E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
250	8.4549E-06	4.9054E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
251	8.4549E-06	5.7732E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
252	8.4549E-06	7.1052E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
253	8.4549E-06	8.8447E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
254	8.4549E-06	1.1835E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.52E-10	1,000,000	6.52E-04	9.4E-03			
255	8.4549E-06	1.5782E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.69E-10	1,000,000	8.69E-04	1.3E-02			
256	8.4549E-06	2.3492E-05	2.50E-04	5.88E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
257	8.4549E-06	3.3949E-05	2.50E-04	8.50E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.7E-02			
258	8.4549E-06	5.1185E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.82E-09	1,000,000	2.82E-03	4.1E-02			
259	8.4549E-06	7.997E-05	2.50E-04	2.00E-08	14.00	1.57E-02	4.40E-09	1,000,000	4.40E-03	6.4E-02			
260	8.4549E-06	0.00011632	2.50E-04	2.91E-08	14.00	1.57E-02	6.40E-09	1,000,000	6.40E-03	9.3E-02			
261	8.4549E-06	0.00012688	2.50E-04	3.18E-08	14.00	1.57E-02	6.99E-09	1,000,000	6.99E-03	1.0E-01			
262	8.4549E-06	0.00010695	2.50E-04	2.68E-08	14.00	1.57E-02	5.89E-09	1,000,000	5.89E-03	8.5E-02			
263	8.4549E-06	7.957E-05	2.50E-04	1.99E-08	14.00	1.57E-02	4.38E-09	1,000,000	4.38E-03	6.3E-02			
264	8.4549E-06	5.7458E-05	2.50E-04	1.44E-08	14.00	1.57E-02	3.16E-09	1,000,000	3.16E-03	4.6E-02			
265	8.4549E-06	4.1995E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.31E-09	1,000,000	2.31E-03	3.3E-02			
266	8.4549E-06	3.1525E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
267	8.4549E-06	2.438E-05	2.50E-04	6.10E-09	14.00	1.57E-02	1.34E-09	1,000,000	1.34E-03	1.9E-02			
268	8.4549E-06	1.9363E-05	2.50E-04	4.85E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
269	8.4549E-06	1.5739E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.67E-10	1,000,000	8.67E-04	1.3E-02			
270	8.4549E-06	1.3054E-05	2.50E-04	3.27E-09	14.00	1.57E-02	7.19E-10	1,000,000	7.19E-04	1.0E-02			
271	8.4549E-06	3.7398E-06	2.50E-04	9.36E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
272	8.4549E-06	4.2968E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
273	8.4549E-06	5.0738E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
274	8.4549E-06	6.0922E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.9E-03			
275	8.4549E-06	7.4974E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.13E-10	1,000,000	4.13E-04	6.0E-03			
276	8.4549E-06	9.6473E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.31E-10	1,000,000	5.31E-04	7.7E-03			
277	8.4549E-06	1.2652E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
278	8.4549E-06	1.6771E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.23E-10	1,000,000	9.23E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
279	8.4549E-06	2.3449E-05	2.50E-04	5.87E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
280	8.4549E-06	3.313E-05	2.50E-04	8.29E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
281	8.4549E-06	4.5921E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.53E-09	1,000,000	2.53E-03	3.7E-02			
282	8.4549E-06	5.8524E-05	2.50E-04	1.46E-08	14.00	1.57E-02	3.22E-09	1,000,000	3.22E-03	4.7E-02			
283	8.4549E-06	6.4582E-05	2.50E-04	1.62E-08	14.00	1.57E-02	3.56E-09	1,000,000	3.56E-03	5.1E-02			
284	8.4549E-06	5.5472E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
285	8.4549E-06	4.9498E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	3.9E-02			
286	8.4549E-06	4.1288E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.27E-09	1,000,000	2.27E-03	3.3E-02			
287	8.4549E-06	3.3126E-05	2.50E-04	8.29E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
288	8.4549E-06	2.6589E-05	2.50E-04	6.65E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
289	8.4549E-06	2.1554E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
290	8.4549E-06	1.7708E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.75E-10	1,000,000	9.75E-04	1.4E-02			
291	8.4549E-06	1.4746E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.12E-10	1,000,000	8.12E-04	1.2E-02			
292	8.4549E-06	1.2445E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.85E-10	1,000,000	6.85E-04	9.9E-03			
293	8.4549E-06	3.339E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
294	8.4549E-06	3.8368E-06	2.50E-04	9.60E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
295	8.4549E-06	4.462E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
296	8.4549E-06	5.2291E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
297	8.4549E-06	6.3986E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
298	8.4549E-06	7.8985E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.35E-10	1,000,000	4.35E-04	6.3E-03			
299	8.4549E-06	9.9693E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
300	8.4549E-06	1.3123E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.23E-10	1,000,000	7.23E-04	1.0E-02			
301	8.4549E-06	1.6473E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.07E-10	1,000,000	9.07E-04	1.3E-02			
302	8.4549E-06	2.2136E-05	2.50E-04	5.54E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
303	8.4549E-06	2.8663E-05	2.50E-04	7.17E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
304	8.4549E-06	3.4879E-05	2.50E-04	8.73E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
305	8.4549E-06	3.6804E-05	2.50E-04	9.21E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.9E-02			
306	8.4549E-06	3.4264E-05	2.50E-04	8.58E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.7E-02			
307	8.4549E-06	3.151E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
308	8.4549E-06	2.8275E-05	2.50E-04	7.08E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
309	8.4549E-06	2.5862E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
310	8.4549E-06	2.2114E-05	2.50E-04	5.53E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
311	8.4549E-06	1.8433E-05	2.50E-04	4.61E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
312	8.4549E-06	1.5658E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.62E-10	1,000,000	8.62E-04	1.2E-02			
313	8.4549E-06	1.3379E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.37E-10	1,000,000	7.37E-04	1.1E-02			
314	8.4549E-06	1.1522E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
315	8.4549E-06	2.934E-06	2.50E-04	7.34E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
316	8.4549E-06	3.3619E-06	2.50E-04	8.41E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
317	8.4549E-06	3.8698E-06	2.50E-04	9.69E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
318	8.4549E-06	4.4821E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
319	8.4549E-06	5.2113E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
320	8.4549E-06	6.5322E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
321	8.4549E-06	7.8635E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.3E-03			
322	8.4549E-06	9.7517E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.37E-10	1,000,000	5.37E-04	7.8E-03			
323	8.4549E-06	1.2428E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.84E-10	1,000,000	6.84E-04	9.9E-03			
324	8.4549E-06	1.5474E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.52E-10	1,000,000	8.52E-04	1.2E-02			
325	8.4549E-06	1.8978E-05	2.50E-04	4.75E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
326	8.4549E-06	2.2653E-05	2.50E-04	5.67E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
327	8.4549E-06	2.7862E-05	2.50E-04	6.97E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
328	8.4549E-06	2.2635E-05	2.50E-04	5.66E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
329	8.4549E-06	2.1346E-05	2.50E-04	5.34E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
330	8.4549E-06	2.028E-05	2.50E-04	5.08E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
331	8.4549E-06	1.9048E-05	2.50E-04	4.77E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
332	8.4549E-06	1.7739E-05	2.50E-04	4.44E-09	14.00	1.57E-02	9.77E-10	1,000,000	9.77E-04	1.4E-02			
333	8.4549E-06	1.5994E-05	2.50E-04	4.00E-09	14.00	1.57E-02	8.81E-10	1,000,000	8.81E-04	1.3E-02			
334	8.4549E-06	1.3732E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.56E-10	1,000,000	7.56E-04	1.1E-02			
335	8.4549E-06	1.191E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.56E-10	1,000,000	6.56E-04	9.5E-03			
336	8.4549E-06	1.0459E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
337	8.4549E-06	2.6459E-06	2.50E-04	6.62E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
338	8.4549E-06	2.9818E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
339	8.4549E-06	3.3468E-06	2.50E-04	8.38E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
340	8.4549E-06	3.8833E-06	2.50E-04	9.72E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
341	8.4549E-06	4.444E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
342	8.4549E-06	5.4021E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
343	8.4549E-06	6.2948E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
344	8.4549E-06	7.6168E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.19E-10	1,000,000	4.19E-04	6.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
345	8.4549E-06	9.2504E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			
346	8.4549E-06	1.1403E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.28E-10	1,000,000	6.28E-04	9.1E-03			
347	8.4549E-06	1.3225E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.28E-10	1,000,000	7.28E-04	1.1E-02			
348	8.4549E-06	1.5103E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.32E-10	1,000,000	8.32E-04	1.2E-02			
349	8.4549E-06	1.4511E-05	2.50E-04	3.63E-09	14.00	1.57E-02	7.99E-10	1,000,000	7.99E-04	1.2E-02			
350	8.4549E-06	1.4769E-05	2.50E-04	3.70E-09	14.00	1.57E-02	8.13E-10	1,000,000	8.13E-04	1.2E-02			
351	8.4549E-06	1.473E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.11E-10	1,000,000	8.11E-04	1.2E-02			
352	8.4549E-06	1.3837E-05	2.50E-04	3.46E-09	14.00	1.57E-02	7.62E-10	1,000,000	7.62E-04	1.1E-02			
353	8.4549E-06	1.4114E-05	2.50E-04	3.53E-09	14.00	1.57E-02	7.77E-10	1,000,000	7.77E-04	1.1E-02			
354	8.4549E-06	1.3378E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.37E-10	1,000,000	7.37E-04	1.1E-02			
355	8.4549E-06	1.2766E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.03E-10	1,000,000	7.03E-04	1.0E-02			
356	8.4549E-06	1.2018E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
357	8.4549E-06	1.0932E-05	2.50E-04	2.74E-09	14.00	1.57E-02	6.02E-10	1,000,000	6.02E-04	8.7E-03			
358	8.4549E-06	9.9444E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.48E-10	1,000,000	5.48E-04	7.9E-03			
359	8.4549E-06	2.3341E-06	2.50E-04	5.84E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
360	8.4549E-06	2.6229E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
361	8.4549E-06	2.9376E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
362	8.4549E-06	3.3119E-06	2.50E-04	8.29E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
363	8.4549E-06	3.7261E-06	2.50E-04	9.33E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
364	8.4549E-06	4.3597E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
365	8.4549E-06	5.1154E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
366	8.4549E-06	6.0698E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.34E-10	1,000,000	3.34E-04	4.8E-03			
367	8.4549E-06	7.3403E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.04E-10	1,000,000	4.04E-04	5.8E-03			
368	8.4549E-06	8.5185E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
369	8.4549E-06	9.4568E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.5E-03			
370	8.4549E-06	1.0002E-05	2.50E-04	2.50E-09	14.00	1.57E-02	5.51E-10	1,000,000	5.51E-04	8.0E-03			
371	8.4549E-06	1.0624E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.85E-10	1,000,000	5.85E-04	8.5E-03			
372	8.4549E-06	1.0811E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.95E-10	1,000,000	5.95E-04	8.6E-03			
373	8.4549E-06	1.0461E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
374	8.4549E-06	1.0012E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.51E-10	1,000,000	5.51E-04	8.0E-03			
375	8.4549E-06	1.0242E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.64E-10	1,000,000	5.64E-04	8.2E-03			
376	8.4549E-06	9.9816E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.50E-10	1,000,000	5.50E-04	8.0E-03			
377	8.4549E-06	9.8811E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.44E-10	1,000,000	5.44E-04	7.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
378	8.4549E-06	9.8769E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.44E-10	1,000,000	5.44E-04	7.9E-03			
379	8.4549E-06	9.3774E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
380	8.4549E-06	8.7123E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
381	8.4549E-06	6.9192E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.81E-10	1,000,000	3.81E-04	5.5E-03			
382	8.4549E-06	7.7255E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.25E-10	1,000,000	4.25E-04	6.2E-03			
383	8.4549E-06	8.6482E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.9E-03			
384	8.4549E-06	9.6937E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.34E-10	1,000,000	5.34E-04	7.7E-03			
385	8.4549E-06	1.086E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.98E-10	1,000,000	5.98E-04	8.6E-03			
386	8.4549E-06	1.2115E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.67E-10	1,000,000	6.67E-04	9.6E-03			
387	8.4549E-06	1.3402E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.38E-10	1,000,000	7.38E-04	1.1E-02			
388	8.4549E-06	1.4644E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.06E-10	1,000,000	8.06E-04	1.2E-02			
389	8.4549E-06	1.5706E-05	2.50E-04	3.93E-09	14.00	1.57E-02	8.65E-10	1,000,000	8.65E-04	1.3E-02			
390	8.4549E-06	1.6444E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
391	8.4549E-06	1.6727E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.21E-10	1,000,000	9.21E-04	1.3E-02			
392	8.4549E-06	1.6505E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.09E-10	1,000,000	9.09E-04	1.3E-02			
393	8.4549E-06	1.5809E-05	2.50E-04	3.96E-09	14.00	1.57E-02	8.70E-10	1,000,000	8.70E-04	1.3E-02			
394	8.4549E-06	1.478E-05	2.50E-04	3.70E-09	14.00	1.57E-02	8.14E-10	1,000,000	8.14E-04	1.2E-02			
395	8.4549E-06	1.3514E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.44E-10	1,000,000	7.44E-04	1.1E-02			
396	8.4549E-06	1.2199E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.72E-10	1,000,000	6.72E-04	9.7E-03			
397	8.4549E-06	1.0928E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.02E-10	1,000,000	6.02E-04	8.7E-03			
398	8.4549E-06	9.7456E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.37E-10	1,000,000	5.37E-04	7.8E-03			
399	8.4549E-06	7.4778E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
400	8.4549E-06	8.4494E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
401	8.4549E-06	9.5946E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.28E-10	1,000,000	5.28E-04	7.6E-03			
402	8.4549E-06	1.0934E-05	2.50E-04	2.74E-09	14.00	1.57E-02	6.02E-10	1,000,000	6.02E-04	8.7E-03			
403	8.4549E-06	1.2482E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
404	8.4549E-06	1.4221E-05	2.50E-04	3.56E-09	14.00	1.57E-02	7.83E-10	1,000,000	7.83E-04	1.1E-02			
405	8.4549E-06	1.6107E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.87E-10	1,000,000	8.87E-04	1.3E-02			
406	8.4549E-06	1.8018E-05	2.50E-04	4.51E-09	14.00	1.57E-02	9.92E-10	1,000,000	9.92E-04	1.4E-02			
407	8.4549E-06	1.9733E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
408	8.4549E-06	2.0994E-05	2.50E-04	5.25E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
409	8.4549E-06	2.1491E-05	2.50E-04	5.38E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
410	8.4549E-06	2.1087E-05	2.50E-04	5.28E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
411	8.4549E-06	1.9944E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
412	8.4549E-06	1.8288E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
413	8.4549E-06	1.6346E-05	2.50E-04	4.09E-09	14.00	1.57E-02	9.00E-10	1,000,000	9.00E-04	1.3E-02			
414	8.4549E-06	1.4417E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
415	8.4549E-06	1.2624E-05	2.50E-04	3.16E-09	14.00	1.57E-02	6.95E-10	1,000,000	6.95E-04	1.0E-02			
416	8.4549E-06	1.1007E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.8E-03			
417	8.4549E-06	8.0381E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.4E-03			
418	8.4549E-06	9.1955E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.06E-10	1,000,000	5.06E-04	7.3E-03			
419	8.4549E-06	1.0601E-05	2.50E-04	2.65E-09	14.00	1.57E-02	5.84E-10	1,000,000	5.84E-04	8.4E-03			
420	8.4549E-06	1.2306E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
421	8.4549E-06	1.4368E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.91E-10	1,000,000	7.91E-04	1.1E-02			
422	8.4549E-06	1.6832E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.27E-10	1,000,000	9.27E-04	1.3E-02			
423	8.4549E-06	1.9673E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
424	8.4549E-06	2.2738E-05	2.50E-04	5.69E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
425	8.4549E-06	2.5647E-05	2.50E-04	6.42E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
426	8.4549E-06	2.7902E-05	2.50E-04	6.98E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
427	8.4549E-06	2.8795E-05	2.50E-04	7.21E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
428	8.4549E-06	2.8121E-05	2.50E-04	7.04E-09	14.00	1.57E-02	1.55E-09	1,000,000	1.55E-03	2.2E-02			
429	8.4549E-06	2.6047E-05	2.50E-04	6.52E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
430	8.4549E-06	2.314E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
431	8.4549E-06	2.0044E-05	2.50E-04	5.02E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
432	8.4549E-06	1.7151E-05	2.50E-04	4.29E-09	14.00	1.57E-02	9.44E-10	1,000,000	9.44E-04	1.4E-02			
433	8.4549E-06	1.468E-05	2.50E-04	3.67E-09	14.00	1.57E-02	8.08E-10	1,000,000	8.08E-04	1.2E-02			
434	8.4549E-06	1.2532E-05	2.50E-04	3.14E-09	14.00	1.57E-02	6.90E-10	1,000,000	6.90E-04	1.0E-02			
435	8.4549E-06	8.5705E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
436	8.4549E-06	9.9259E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
437	8.4549E-06	1.1625E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.40E-10	1,000,000	6.40E-04	9.3E-03			
438	8.4549E-06	1.377E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
439	8.4549E-06	1.6497E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.08E-10	1,000,000	9.08E-04	1.3E-02			
440	8.4549E-06	1.9962E-05	2.50E-04	5.00E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
441	8.4549E-06	2.4282E-05	2.50E-04	6.08E-09	14.00	1.57E-02	1.34E-09	1,000,000	1.34E-03	1.9E-02			
442	8.4549E-06	2.9399E-05	2.50E-04	7.36E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.3E-02			
443	8.4549E-06	3.4801E-05	2.50E-04	8.71E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
444	8.4549E-06	3.9259E-05	2.50E-04	9.83E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
445	8.4549E-06	4.1184E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.27E-09	1,000,000	2.27E-03	3.3E-02			
446	8.4549E-06	3.9756E-05	2.50E-04	9.95E-09	14.00	1.57E-02	2.19E-09	1,000,000	2.19E-03	3.2E-02			
447	8.4549E-06	3.5584E-05	2.50E-04	8.91E-09	14.00	1.57E-02	1.96E-09	1,000,000	1.96E-03	2.8E-02			
448	8.4549E-06	3.0149E-05	2.50E-04	7.55E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
449	8.4549E-06	2.4985E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
450	8.4549E-06	2.0595E-05	2.50E-04	5.15E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
451	8.4549E-06	1.6951E-05	2.50E-04	4.24E-09	14.00	1.57E-02	9.33E-10	1,000,000	9.33E-04	1.4E-02			
452	8.4549E-06	1.4175E-05	2.50E-04	3.55E-09	14.00	1.57E-02	7.80E-10	1,000,000	7.80E-04	1.1E-02			
453	8.4549E-06	8.6301E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.75E-10	1,000,000	4.75E-04	6.9E-03			
454	8.4549E-06	1.0459E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
455	8.4549E-06	1.2599E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.94E-10	1,000,000	6.94E-04	1.0E-02			
456	8.4549E-06	1.5229E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.2E-02			
457	8.4549E-06	1.8754E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
458	8.4549E-06	2.3556E-05	2.50E-04	5.90E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
459	8.4549E-06	3.0131E-05	2.50E-04	7.54E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
460	8.4549E-06	3.8931E-05	2.50E-04	9.74E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02			
461	8.4549E-06	4.9657E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	4.0E-02			
462	8.4549E-06	5.991E-05	2.50E-04	1.50E-08	14.00	1.57E-02	3.30E-09	1,000,000	3.30E-03	4.8E-02			
463	8.4549E-06	6.4864E-05	2.50E-04	1.62E-08	14.00	1.57E-02	3.57E-09	1,000,000	3.57E-03	5.2E-02			
464	8.4549E-06	6.1227E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.37E-09	1,000,000	3.37E-03	4.9E-02			
465	8.4549E-06	5.1474E-05	2.50E-04	1.29E-08	14.00	1.57E-02	2.83E-09	1,000,000	2.83E-03	4.1E-02			
466	8.4549E-06	4.0609E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.24E-09	1,000,000	2.24E-03	3.2E-02			
467	8.4549E-06	3.1524E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
468	8.4549E-06	2.4666E-05	2.50E-04	6.17E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
469	8.4549E-06	1.9654E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
470	8.4549E-06	1.5984E-05	2.50E-04	4.00E-09	14.00	1.57E-02	8.80E-10	1,000,000	8.80E-04	1.3E-02			
471	8.4549E-06	8.118E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
472	8.4549E-06	1.017E-05	2.50E-04	2.55E-09	14.00	1.57E-02	5.60E-10	1,000,000	5.60E-04	8.1E-03			
473	8.4549E-06	1.2842E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.0E-02			
474	8.4549E-06	1.6386E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.02E-10	1,000,000	9.02E-04	1.3E-02			
475	8.4549E-06	2.0868E-05	2.50E-04	5.22E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
476	8.4549E-06	5.6194E-05	2.50E-04	1.41E-08	14.00	1.57E-02	3.09E-09	1,000,000	3.09E-03	4.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
477	8.4549E-06	3.9716E-05	2.50E-04	9.94E-09	14.00	1.57E-02	2.19E-09	1,000,000	2.19E-03	3.2E-02			
478	8.4549E-06	2.9549E-05	2.50E-04	7.40E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.4E-02			
479	8.4549E-06	2.2677E-05	2.50E-04	5.68E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
480	8.4549E-06	1.7923E-05	2.50E-04	4.49E-09	14.00	1.57E-02	9.87E-10	1,000,000	9.87E-04	1.4E-02			
481	8.4549E-06	7.8108E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
482	8.4549E-06	9.7541E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.37E-10	1,000,000	5.37E-04	7.8E-03			
483	8.4549E-06	1.1987E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.60E-10	1,000,000	6.60E-04	9.5E-03			
484	8.4549E-06	1.5297E-05	2.50E-04	3.83E-09	14.00	1.57E-02	8.42E-10	1,000,000	8.42E-04	1.2E-02			
485	8.4549E-06	2.1513E-05	2.50E-04	5.38E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
486	8.4549E-06	7.8422E-05	2.50E-04	1.96E-08	14.00	1.57E-02	4.32E-09	1,000,000	4.32E-03	6.2E-02			
487	8.4549E-06	5.0222E-05	2.50E-04	1.26E-08	14.00	1.57E-02	2.77E-09	1,000,000	2.77E-03	4.0E-02			
488	8.4549E-06	3.4868E-05	2.50E-04	8.73E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
489	8.4549E-06	2.5828E-05	2.50E-04	6.46E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
490	8.4549E-06	1.9942E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
491	8.4549E-06	7.116E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.92E-10	1,000,000	3.92E-04	5.7E-03			
492	8.4549E-06	8.9242E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
493	8.4549E-06	1.1048E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.08E-10	1,000,000	6.08E-04	8.8E-03			
494	8.4549E-06	1.4427E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
495	8.4549E-06	1.9731E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
496	8.4549E-06	7.9776E-05	2.50E-04	2.00E-08	14.00	1.57E-02	4.39E-09	1,000,000	4.39E-03	6.4E-02			
497	8.4549E-06	0.00017442	2.50E-04	4.37E-08	14.00	1.57E-02	9.60E-09	1,000,000	9.60E-03	1.4E-01			
498	8.4549E-06	0.00024516	2.50E-04	6.14E-08	14.00	1.57E-02	1.35E-08	1,000,000	1.35E-02	2.0E-01			
499	8.4549E-06	0.00010613	2.50E-04	2.66E-08	14.00	1.57E-02	5.84E-09	1,000,000	5.84E-03	8.5E-02			
500	8.4549E-06	6.0721E-05	2.50E-04	1.52E-08	14.00	1.57E-02	3.34E-09	1,000,000	3.34E-03	4.8E-02			
501	8.4549E-06	4.0076E-05	2.50E-04	1.00E-08	14.00	1.57E-02	2.21E-09	1,000,000	2.21E-03	3.2E-02			
502	8.4549E-06	2.8704E-05	2.50E-04	7.18E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
503	8.4549E-06	2.1734E-05	2.50E-04	5.44E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
504	8.4549E-06	6.3843E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
505	8.4549E-06	7.6465E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.1E-03			
506	8.4549E-06	9.9837E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.50E-10	1,000,000	5.50E-04	8.0E-03			
507	8.4549E-06	1.2609E-05	2.50E-04	3.16E-09	14.00	1.57E-02	6.94E-10	1,000,000	6.94E-04	1.0E-02			
508	8.4549E-06	1.7986E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.4E-02			
509	8.4549E-06	2.55E-05	2.50E-04	6.38E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.0E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
510	8.4549E-06	3.8775E-05	2.50E-04	9.70E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
511	8.4549E-06	6.8633E-05	2.50E-04	1.72E-08	14.00	1.57E-02	3.78E-09	1,000,000	3.78E-03	5.5E-02			
512	8.4549E-06	0.00015218	2.50E-04	3.81E-08	14.00	1.57E-02	8.38E-09	1,000,000	8.38E-03	1.2E-01			
513	8.4549E-06	0.00041846	2.50E-04	1.05E-07	14.00	1.57E-02	2.30E-08	1,000,000	2.30E-02	3.3E-01			
514	8.4549E-06	0.00072791	2.50E-04	1.82E-07	14.00	1.57E-02	4.01E-08	1,000,000	4.01E-02	5.8E-01			
515	8.4549E-06	0.00056635	2.50E-04	1.42E-07	14.00	1.57E-02	3.12E-08	1,000,000	3.12E-02	4.5E-01			
516	8.4549E-06	0.00022993	2.50E-04	5.75E-08	14.00	1.57E-02	1.27E-08	1,000,000	1.27E-02	1.8E-01			
517	8.4549E-06	0.00010923	2.50E-04	2.73E-08	14.00	1.57E-02	6.01E-09	1,000,000	6.01E-03	8.7E-02			
518	8.4549E-06	6.3816E-05	2.50E-04	1.60E-08	14.00	1.57E-02	3.51E-09	1,000,000	3.51E-03	5.1E-02			
519	8.4549E-06	4.217E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.32E-09	1,000,000	2.32E-03	3.4E-02			
520	8.4549E-06	3.0143E-05	2.50E-04	7.54E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
521	8.4549E-06	2.2748E-05	2.50E-04	5.69E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
522	8.4549E-06	5.6278E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
523	8.4549E-06	6.9163E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.81E-10	1,000,000	3.81E-04	5.5E-03			
524	8.4549E-06	8.6561E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
525	8.4549E-06	1.102E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.07E-10	1,000,000	6.07E-04	8.8E-03			
526	8.4549E-06	1.4054E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
527	8.4549E-06	2.1279E-05	2.50E-04	5.33E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
528	8.4549E-06	3.1585E-05	2.50E-04	7.90E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
529	8.4549E-06	4.9906E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.75E-09	1,000,000	2.75E-03	4.0E-02			
530	8.4549E-06	8.6445E-05	2.50E-04	2.16E-08	14.00	1.57E-02	4.76E-09	1,000,000	4.76E-03	6.9E-02			
531	8.4549E-06	0.00014735	2.50E-04	3.69E-08	14.00	1.57E-02	8.11E-09	1,000,000	8.11E-03	1.2E-01			
532	8.4549E-06	0.00019419	2.50E-04	4.86E-08	14.00	1.57E-02	1.07E-08	1,000,000	1.07E-02	1.5E-01			
533	8.4549E-06	0.00017669	2.50E-04	4.42E-08	14.00	1.57E-02	9.73E-09	1,000,000	9.73E-03	1.4E-01			
534	8.4549E-06	0.00012448	2.50E-04	3.12E-08	14.00	1.57E-02	6.85E-09	1,000,000	6.85E-03	9.9E-02			
535	8.4549E-06	8.1972E-05	2.50E-04	2.05E-08	14.00	1.57E-02	4.51E-09	1,000,000	4.51E-03	6.5E-02			
536	8.4549E-06	5.5314E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
537	8.4549E-06	3.9158E-05	2.50E-04	9.80E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
538	8.4549E-06	2.9045E-05	2.50E-04	7.27E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
539	8.4549E-06	2.2374E-05	2.50E-04	5.60E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
540	8.4549E-06	4.9721E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.74E-10	1,000,000	2.74E-04	4.0E-03			
541	8.4549E-06	6.0299E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
542	8.4549E-06	7.417E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.08E-10	1,000,000	4.08E-04	5.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
543	8.4549E-06	9.3316E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
544	8.4549E-06	1.2448E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.85E-10	1,000,000	6.85E-04	9.9E-03			
545	8.4549E-06	1.6475E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.07E-10	1,000,000	9.07E-04	1.3E-02			
546	8.4549E-06	2.3541E-05	2.50E-04	5.89E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
547	8.4549E-06	3.4038E-05	2.50E-04	8.52E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.7E-02			
548	8.4549E-06	5.0652E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
549	8.4549E-06	6.9357E-05	2.50E-04	1.74E-08	14.00	1.57E-02	3.82E-09	1,000,000	3.82E-03	5.5E-02			
550	8.4549E-06	8.7976E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.84E-09	1,000,000	4.84E-03	7.0E-02			
551	8.4549E-06	8.6745E-05	2.50E-04	2.17E-08	14.00	1.57E-02	4.78E-09	1,000,000	4.78E-03	6.9E-02			
552	8.4549E-06	7.164E-05	2.50E-04	1.79E-08	14.00	1.57E-02	3.94E-09	1,000,000	3.94E-03	5.7E-02			
553	8.4549E-06	5.5715E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.07E-09	1,000,000	3.07E-03	4.4E-02			
554	8.4549E-06	4.2694E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.35E-09	1,000,000	2.35E-03	3.4E-02			
555	8.4549E-06	3.2975E-05	2.50E-04	8.25E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
556	8.4549E-06	2.5854E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
557	8.4549E-06	2.0671E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
558	8.4549E-06	4.4096E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
559	8.4549E-06	5.2957E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
560	8.4549E-06	6.2701E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
561	8.4549E-06	7.7978E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.29E-10	1,000,000	4.29E-04	6.2E-03			
562	8.4549E-06	9.6474E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.31E-10	1,000,000	5.31E-04	7.7E-03			
563	8.4549E-06	1.2456E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
564	8.4549E-06	1.7146E-05	2.50E-04	4.29E-09	14.00	1.57E-02	9.44E-10	1,000,000	9.44E-04	1.4E-02			
565	8.4549E-06	2.2776E-05	2.50E-04	5.70E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
566	8.4549E-06	3.1822E-05	2.50E-04	7.96E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
567	8.4549E-06	4.0227E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.21E-09	1,000,000	2.21E-03	3.2E-02			
568	8.4549E-06	4.7701E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.63E-09	1,000,000	2.63E-03	3.8E-02			
569	8.4549E-06	4.4779E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.6E-02			
570	8.4549E-06	4.0511E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			
571	8.4549E-06	3.686E-05	2.50E-04	9.23E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.9E-02			
572	8.4549E-06	3.22E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
573	8.4549E-06	2.6565E-05	2.50E-04	6.65E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
574	8.4549E-06	2.1934E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
575	8.4549E-06	1.8252E-05	2.50E-04	4.57E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	9.93E-07		1.456E-04	514 Res
2	5	1.08E-06			
3	5	1.17E-06			
4	5	1.28E-06			
5	5	1.39E-06			
6	5	1.50E-06			
7	5	1.62E-06			
8	5	1.73E-06			
9	5	1.84E-06			
10	5	1.93E-06			
11	5	2.00E-06			
12	5	2.03E-06			
13	5	2.03E-06			
14	5	2.00E-06			
15	5	1.93E-06			
16	5	1.84E-06			
17	5	1.74E-06			
18	5	1.62E-06			
19	5	1.50E-06			
20	5	1.39E-06			
21	5	1.28E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
22	5	1.18E-06			
23	5	1.07E-06			
24	5	1.17E-06			
25	5	1.28E-06			
26	5	1.41E-06			
27	5	1.55E-06			
28	5	1.70E-06			
29	5	1.85E-06			
30	5	2.01E-06			
31	5	2.16E-06			
32	5	2.28E-06			
33	5	2.38E-06			
34	5	2.43E-06			
35	5	2.44E-06			
36	5	2.39E-06			
37	5	2.29E-06			
38	5	2.16E-06			
39	5	2.02E-06			
40	5	1.86E-06			
41	5	1.70E-06			
42	5	1.55E-06			
43	5	1.41E-06			
44	5	1.29E-06			
45	5	1.14E-06			
46	5	1.26E-06			
47	5	1.40E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
48	5	1.56E-06			
49	5	1.73E-06			
50	5	1.92E-06			
51	5	2.13E-06			
52	5	2.35E-06			
53	5	2.56E-06			
54	5	2.75E-06			
55	5	2.90E-06			
56	5	2.98E-06			
57	5	2.98E-06			
58	5	2.92E-06			
59	5	2.77E-06			
60	5	2.58E-06			
61	5	2.37E-06			
62	5	2.15E-06			
63	5	1.94E-06			
64	5	1.74E-06			
65	5	1.56E-06			
66	5	1.41E-06			
67	5	1.22E-06			
68	5	1.36E-06			
69	5	1.52E-06			
70	5	1.72E-06			
71	5	1.94E-06			
72	5	2.19E-06			
73	5	2.47E-06			
74	5	2.78E-06			
75	5	3.09E-06			
76	5	3.38E-06			
77	5	3.62E-06			
78	5	3.76E-06			
79	5	3.76E-06			
80	5	3.64E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
81	5	3.41E-06			
82	5	3.13E-06			
83	5	2.81E-06			
84	5	2.50E-06			
85	5	2.20E-06			
86	5	1.95E-06			
87	5	1.73E-06			
88	5	1.54E-06			
89	5	1.30E-06			
90	5	1.46E-06			
91	5	1.65E-06			
92	5	1.89E-06			
93	5	2.16E-06			
94	5	2.49E-06			
95	5	2.88E-06			
96	5	3.32E-06			
97	5	3.80E-06			
98	5	4.27E-06			
99	5	4.66E-06			
100	5	4.90E-06			
101	5	4.92E-06			
102	5	4.71E-06			
103	5	4.33E-06			
104	5	3.86E-06			
105	5	3.38E-06			
106	5	2.93E-06			
107	5	2.53E-06			
108	5	2.19E-06			
109	5	1.91E-06			
110	5	1.68E-06			
111	5	1.37E-06			
112	5	1.55E-06			
113	5	1.78E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
114	5	2.06E-06			
115	5	2.40E-06			
116	5	2.83E-06			
117	5	3.36E-06			
118	5	4.00E-06			
119	5	4.75E-06			
120	5	5.56E-06			
121	5	6.29E-06			
122	5	6.75E-06			
123	5	6.78E-06			
124	5	6.37E-06			
125	5	5.67E-06			
126	5	4.86E-06			
127	5	4.10E-06			
128	5	3.45E-06			
129	5	2.90E-06			
130	5	2.46E-06			
131	5	2.11E-06			
132	5	1.83E-06			
133	5	1.40E-06			
134	5	1.64E-06			
135	5	1.90E-06			
136	5	2.23E-06			
137	5	2.65E-06			
138	5	3.19E-06			
139	5	3.91E-06			
140	5	4.84E-06			
141	5	6.05E-06			
142	5	7.50E-06			
143	5	8.98E-06			
144	5	1.00E-05			
145	5	1.01E-05			
146	5	9.17E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
147	5	7.73E-06			
148	5	6.26E-06			
149	5	5.03E-06			
150	5	4.05E-06			
151	5	3.31E-06			
152	5	2.75E-06			
153	5	2.32E-06			
154	5	1.99E-06			
155	5	1.27E-06			
156	5	1.50E-06			
157	5	1.88E-06			
158	5	2.26E-06			
159	5	2.87E-06			
160	5	3.54E-06			
161	5	4.48E-06			
162	5	5.82E-06			
163	5	7.76E-06			
164	5	1.05E-05			
165	5	1.39E-05			
166	5	1.66E-05			
167	5	1.69E-05			
168	5	1.44E-05			
169	5	1.11E-05			
170	5	8.21E-06			
171	5	6.15E-06			
172	5	4.76E-06			
173	5	3.77E-06			
174	5	3.06E-06			
175	5	2.55E-06			
176	5	2.15E-06			
177	5	1.23E-06			
178	5	1.48E-06			
179	5	1.83E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
180	5	2.33E-06			
181	5	2.94E-06			
182	5	3.79E-06			
183	5	5.00E-06			
184	5	1.66E-05			
185	5	1.08E-05			
186	5	7.55E-06			
187	5	5.55E-06			
188	5	4.26E-06			
189	5	3.39E-06			
190	5	2.77E-06			
191	5	2.31E-06			
192	5	1.14E-06			
193	5	1.37E-06			
194	5	1.71E-06			
195	5	2.14E-06			
196	5	2.75E-06			
197	5	3.53E-06			
198	5	4.99E-06			
199	5	2.06E-05			
200	5	2.57E-05			
201	5	1.41E-05			
202	5	9.04E-06			
203	5	6.37E-06			
204	5	4.75E-06			
205	5	3.71E-06			
206	5	2.98E-06			
207	5	2.47E-06			
208	5	1.04E-06			
209	5	1.24E-06			
210	5	1.47E-06			
211	5	1.88E-06			
212	5	2.40E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
213	5	3.22E-06			
214	5	4.55E-06			
215	5	6.67E-06			
216	5	1.19E-05			
217	5	2.25E-05			
218	5	1.15E-04			
219	5	3.31E-05			
220	5	1.66E-05			
221	5	1.02E-05			
222	5	6.98E-06			
223	5	5.13E-06			
224	5	3.95E-06			
225	5	3.15E-06			
226	5	2.59E-06			
227	5	9.35E-07			
228	5	1.10E-06			
229	5	1.31E-06			
230	5	1.62E-06			
231	5	2.07E-06			
232	5	2.66E-06			
233	5	3.90E-06			
234	5	5.72E-06			
235	5	9.07E-06			
236	5	1.66E-05			
237	5	3.35E-05			
238	5	5.99E-05			
239	5	6.65E-05			
240	5	4.55E-05			
241	5	2.55E-05			
242	5	1.52E-05			
243	5	9.92E-06			
244	5	6.98E-06			
245	5	5.19E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
246	5	4.02E-06			
247	5	3.22E-06			
248	5	2.64E-06			
249	5	8.46E-07			
250	5	9.81E-07			
251	5	1.15E-06			
252	5	1.42E-06			
253	5	1.77E-06			
254	5	2.37E-06			
255	5	3.16E-06			
256	5	4.70E-06			
257	5	6.79E-06			
258	5	1.02E-05			
259	5	1.60E-05			
260	5	2.33E-05			
261	5	2.54E-05			
262	5	2.14E-05			
263	5	1.59E-05			
264	5	1.15E-05			
265	5	8.40E-06			
266	5	6.31E-06			
267	5	4.88E-06			
268	5	3.87E-06			
269	5	3.15E-06			
270	5	2.61E-06			
271	5	7.48E-07			
272	5	8.59E-07			
273	5	1.01E-06			
274	5	1.22E-06			
275	5	1.50E-06			
276	5	1.93E-06			
277	5	2.53E-06			
278	5	3.35E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
279	5	4.69E-06			
280	5	6.63E-06			
281	5	9.18E-06			
282	5	1.17E-05			
283	5	1.29E-05			
284	5	1.11E-05			
285	5	9.90E-06			
286	5	8.26E-06			
287	5	6.63E-06			
288	5	5.32E-06			
289	5	4.31E-06			
290	5	3.54E-06			
291	5	2.95E-06			
292	5	2.49E-06			
293	5	6.68E-07			
294	5	7.67E-07			
295	5	8.92E-07			
296	5	1.05E-06			
297	5	1.28E-06			
298	5	1.58E-06			
299	5	1.99E-06			
300	5	2.62E-06			
301	5	3.29E-06			
302	5	4.43E-06			
303	5	5.73E-06			
304	5	6.98E-06			
305	5	7.36E-06			
306	5	6.85E-06			
307	5	6.30E-06			
308	5	5.66E-06			
309	5	5.17E-06			
310	5	4.42E-06			
311	5	3.69E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
312	5	3.13E-06			
313	5	2.68E-06			
314	5	2.30E-06			
315	5	5.87E-07			
316	5	6.72E-07			
317	5	7.74E-07			
318	5	8.96E-07			
319	5	1.04E-06			
320	5	1.31E-06			
321	5	1.57E-06			
322	5	1.95E-06			
323	5	2.49E-06			
324	5	3.09E-06			
325	5	3.80E-06			
326	5	4.53E-06			
327	5	5.57E-06			
328	5	4.53E-06			
329	5	4.27E-06			
330	5	4.06E-06			
331	5	3.81E-06			
332	5	3.55E-06			
333	5	3.20E-06			
334	5	2.75E-06			
335	5	2.38E-06			
336	5	2.09E-06			
337	5	5.29E-07			
338	5	5.96E-07			
339	5	6.69E-07			
340	5	7.77E-07			
341	5	8.89E-07			
342	5	1.08E-06			
343	5	1.26E-06			
344	5	1.52E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
345	5	1.85E-06			
346	5	2.28E-06			
347	5	2.65E-06			
348	5	3.02E-06			
349	5	2.90E-06			
350	5	2.95E-06			
351	5	2.95E-06			
352	5	2.77E-06			
353	5	2.82E-06			
354	5	2.68E-06			
355	5	2.55E-06			
356	5	2.40E-06			
357	5	2.19E-06			
358	5	1.99E-06			
359	5	4.67E-07			
360	5	5.25E-07			
361	5	5.88E-07			
362	5	6.62E-07			
363	5	7.45E-07			
364	5	8.72E-07			
365	5	1.02E-06			
366	5	1.21E-06			
367	5	1.47E-06			
368	5	1.70E-06			
369	5	1.89E-06			
370	5	2.00E-06			
371	5	2.12E-06			
372	5	2.16E-06			
373	5	2.09E-06			
374	5	2.00E-06			
375	5	2.05E-06			
376	5	2.00E-06			
377	5	1.98E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
378	5	1.98E-06			
379	5	1.88E-06			
380	5	1.74E-06			
381	5	1.38E-06			
382	5	1.55E-06			
383	5	1.73E-06			
384	5	1.94E-06			
385	5	2.17E-06			
386	5	2.42E-06			
387	5	2.68E-06			
388	5	2.93E-06			
389	5	3.14E-06			
390	5	3.29E-06			
391	5	3.35E-06			
392	5	3.30E-06			
393	5	3.16E-06			
394	5	2.96E-06			
395	5	2.70E-06			
396	5	2.44E-06			
397	5	2.19E-06			
398	5	1.95E-06			
399	5	1.50E-06			
400	5	1.69E-06			
401	5	1.92E-06			
402	5	2.19E-06			
403	5	2.50E-06			
404	5	2.84E-06			
405	5	3.22E-06			
406	5	3.60E-06			
407	5	3.95E-06			
408	5	4.20E-06			
409	5	4.30E-06			
410	5	4.22E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
411	5	3.99E-06			
412	5	3.66E-06			
413	5	3.27E-06			
414	5	2.88E-06			
415	5	2.52E-06			
416	5	2.20E-06			
417	5	1.61E-06			
418	5	1.84E-06			
419	5	2.12E-06			
420	5	2.46E-06			
421	5	2.87E-06			
422	5	3.37E-06			
423	5	3.93E-06			
424	5	4.55E-06			
425	5	5.13E-06			
426	5	5.58E-06			
427	5	5.76E-06			
428	5	5.62E-06			
429	5	5.21E-06			
430	5	4.63E-06			
431	5	4.01E-06			
432	5	3.43E-06			
433	5	2.94E-06			
434	5	2.51E-06			
435	5	1.71E-06			
436	5	1.99E-06			
437	5	2.33E-06			
438	5	2.75E-06			
439	5	3.30E-06			
440	5	3.99E-06			
441	5	4.86E-06			
442	5	5.88E-06			
443	5	6.96E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
444	5	7.85E-06			
445	5	8.24E-06			
446	5	7.95E-06			
447	5	7.12E-06			
448	5	6.03E-06			
449	5	5.00E-06			
450	5	4.12E-06			
451	5	3.39E-06			
452	5	2.83E-06			
453	5	1.73E-06			
454	5	2.09E-06			
455	5	2.52E-06			
456	5	3.05E-06			
457	5	3.75E-06			
458	5	4.71E-06			
459	5	6.03E-06			
460	5	7.79E-06			
461	5	9.93E-06			
462	5	1.20E-05			
463	5	1.30E-05			
464	5	1.22E-05			
465	5	1.03E-05			
466	5	8.12E-06			
467	5	6.30E-06			
468	5	4.93E-06			
469	5	3.93E-06			
470	5	3.20E-06			
471	5	1.62E-06			
472	5	2.03E-06			
473	5	2.57E-06			
474	5	3.28E-06			
475	5	4.17E-06			
476	5	1.12E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
477	5	7.94E-06			
478	5	5.91E-06			
479	5	4.54E-06			
480	5	3.58E-06			
481	5	1.56E-06			
482	5	1.95E-06			
483	5	2.40E-06			
484	5	3.06E-06			
485	5	4.30E-06			
486	5	1.57E-05			
487	5	1.00E-05			
488	5	6.97E-06			
489	5	5.17E-06			
490	5	3.99E-06			
491	5	1.42E-06			
492	5	1.78E-06			
493	5	2.21E-06			
494	5	2.89E-06			
495	5	3.95E-06			
496	5	1.60E-05			
497	5	3.49E-05			
498	5	4.90E-05			
499	5	2.12E-05			
500	5	1.21E-05			
501	5	8.02E-06			
502	5	5.74E-06			
503	5	4.35E-06			
504	5	1.28E-06			
505	5	1.53E-06			
506	5	2.00E-06			
507	5	2.52E-06			
508	5	3.60E-06			
509	5	5.10E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
510	5	7.76E-06			
511	5	1.37E-05			
512	5	3.04E-05			
513	5	8.37E-05			
514	5	1.46E-04			
515	5	1.13E-04			
516	5	4.60E-05			
517	5	2.18E-05			
518	5	1.28E-05			
519	5	8.43E-06			
520	5	6.03E-06			
521	5	4.55E-06			
522	5	1.13E-06			
523	5	1.38E-06			
524	5	1.73E-06			
525	5	2.20E-06			
526	5	2.81E-06			
527	5	4.26E-06			
528	5	6.32E-06			
529	5	9.98E-06			
530	5	1.73E-05			
531	5	2.95E-05			
532	5	3.88E-05			
533	5	3.53E-05			
534	5	2.49E-05			
535	5	1.64E-05			
536	5	1.11E-05			
537	5	7.83E-06			
538	5	5.81E-06			
539	5	4.47E-06			
540	5	9.94E-07			
541	5	1.21E-06			
542	5	1.48E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE2

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
543	5	1.87E-06			
544	5	2.49E-06			
545	5	3.30E-06			
546	5	4.71E-06			
547	5	6.81E-06			
548	5	1.01E-05			
549	5	1.39E-05			
550	5	1.76E-05			
551	5	1.73E-05			
552	5	1.43E-05			
553	5	1.11E-05			
554	5	8.54E-06			
555	5	6.59E-06			
556	5	5.17E-06			
557	5	4.13E-06			
558	5	8.82E-07			
559	5	1.06E-06			
560	5	1.25E-06			
561	5	1.56E-06			
562	5	1.93E-06			
563	5	2.49E-06			
564	5	3.43E-06			
565	5	4.56E-06			
566	5	6.36E-06			
567	5	8.05E-06			
568	5	9.54E-06			
569	5	8.96E-06			
570	5	8.10E-06			
571	5	7.37E-06			
572	5	6.44E-06			
573	5	5.31E-06			
574	5	4.39E-06			
575	5	3.65E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.55483	**8.0753E-07**	4.4804E-07	3.46E-04	1.55E-10	0.25	1.57E-01	6.09E-12	1,000,000	6.09E-06
2	0.6035	8.0753E-07	4.8734E-07	3.46E-04	1.69E-10	0.25	1.57E-01	6.63E-12	1,000,000	6.63E-06
3	0.6573	8.0753E-07	5.3079E-07	3.46E-04	1.84E-10	0.25	1.57E-01	7.22E-12	1,000,000	7.22E-06
4	0.7162	8.0753E-07	5.7835E-07	3.46E-04	2.00E-10	0.25	1.57E-01	7.87E-12	1,000,000	7.87E-06
5	0.78046	8.0753E-07	6.3024E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.57E-12	1,000,000	8.57E-06
6	0.84953	8.0753E-07	6.8602E-07	3.46E-04	2.37E-10	0.25	1.57E-01	9.33E-12	1,000,000	9.33E-06
7	0.92159	8.0753E-07	7.4421E-07	3.46E-04	2.58E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
8	0.99514	8.0753E-07	8.036E-07	3.46E-04	2.78E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
9	1.06793	8.0753E-07	8.6238E-07	3.46E-04	2.99E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
10	1.13516	8.0753E-07	9.1667E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
11	1.19233	8.0753E-07	9.6284E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
12	1.23496	8.0753E-07	9.9726E-07	3.46E-04	3.45E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
13	1.25868	8.0753E-07	1.0164E-06	3.46E-04	3.52E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
14	1.26053	8.0753E-07	1.0179E-06	3.46E-04	3.52E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
15	1.24	8.0753E-07	1.0013E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
16	1.19776	8.0753E-07	9.6722E-07	3.46E-04	3.35E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
17	1.14113	8.0753E-07	9.2149E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
18	1.07268	8.0753E-07	8.6622E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
19	0.99693	8.0753E-07	8.0505E-07	3.46E-04	2.79E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
20	0.92178	8.0753E-07	7.4436E-07	3.46E-04	2.58E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
21	0.84775	8.0753E-07	6.8458E-07	3.46E-04	2.37E-10	0.25	1.57E-01	9.31E-12	1,000,000	9.31E-06
22	0.77642	8.0753E-07	6.2698E-07	3.46E-04	2.17E-10	0.25	1.57E-01	8.53E-12	1,000,000	8.53E-06
23	0.59171	8.0753E-07	4.7782E-07	3.46E-04	1.65E-10	0.25	1.57E-01	6.50E-12	1,000,000	6.50E-06
24	0.64836	8.0753E-07	5.2357E-07	3.46E-04	1.81E-10	0.25	1.57E-01	7.12E-12	1,000,000	7.12E-06
25	0.71199	8.0753E-07	5.7495E-07	3.46E-04	1.99E-10	0.25	1.57E-01	7.82E-12	1,000,000	7.82E-06
26	0.78319	8.0753E-07	6.3245E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.60E-12	1,000,000	8.60E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	0.86215	8.0753E-07	6.9621E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.47E-12	1,000,000	9.47E-06
28	0.94938	8.0753E-07	7.6665E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
29	1.04242	8.0753E-07	8.4178E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
30	1.14086	8.0753E-07	9.2127E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
31	1.23956	8.0753E-07	1.001E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
32	1.33365	8.0753E-07	1.077E-06	3.46E-04	3.73E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
33	1.41536	8.0753E-07	1.1429E-06	3.46E-04	3.96E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
34	1.47944	8.0753E-07	1.1947E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
35	1.51689	8.0753E-07	1.2249E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
36	1.52249	8.0753E-07	1.2294E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
37	1.48907	8.0753E-07	1.2025E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
38	1.42834	8.0753E-07	1.1534E-06	3.46E-04	3.99E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
39	1.34776	8.0753E-07	1.0883E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
40	1.25092	8.0753E-07	1.0101E-06	3.46E-04	3.50E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
41	1.14671	8.0753E-07	9.26E-07	3.46E-04	3.21E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
42	1.04334	8.0753E-07	8.4252E-07	3.46E-04	2.92E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
43	0.94512	8.0753E-07	7.6321E-07	3.46E-04	2.64E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
44	0.85967	8.0753E-07	6.9421E-07	3.46E-04	2.40E-10	0.25	1.57E-01	9.44E-12	1,000,000	9.44E-06
45	0.62949	8.0753E-07	5.0833E-07	3.46E-04	1.76E-10	0.25	1.57E-01	6.91E-12	1,000,000	6.91E-06
46	0.69508	8.0753E-07	5.6129E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.63E-12	1,000,000	7.63E-06
47	0.77015	8.0753E-07	6.2192E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.46E-12	1,000,000	8.46E-06
48	0.85591	8.0753E-07	6.9117E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.40E-12	1,000,000	9.40E-06
49	0.95328	8.0753E-07	7.698E-07	3.46E-04	2.66E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
50	1.06296	8.0753E-07	8.5837E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
51	1.18467	8.0753E-07	9.5665E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
52	1.31636	8.0753E-07	1.063E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.45428	8.0753E-07	1.1744E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
54	1.58918	8.0753E-07	1.2833E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
55	1.71182	8.0753E-07	1.3823E-06	3.46E-04	4.79E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
56	1.8097	8.0753E-07	1.4614E-06	3.46E-04	5.06E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
57	1.86858	8.0753E-07	1.5089E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
58	1.88234	8.0753E-07	1.52E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
59	1.8323	8.0753E-07	1.4796E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
60	1.73913	8.0753E-07	1.4044E-06	3.46E-04	4.86E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
61	1.61761	8.0753E-07	1.3063E-06	3.46E-04	4.52E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
62	1.47483	8.0753E-07	1.191E-06	3.46E-04	4.12E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
63	1.32889	8.0753E-07	1.0731E-06	3.46E-04	3.71E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
64	1.19025	8.0753E-07	9.6116E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
65	1.06448	8.0753E-07	8.5959E-07	3.46E-04	2.98E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
66	0.95254	8.0753E-07	7.692E-07	3.46E-04	2.66E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
67	0.66724	8.0753E-07	5.3881E-07	3.46E-04	1.87E-10	0.25	1.57E-01	7.33E-12	1,000,000	7.33E-06
68	0.74261	8.0753E-07	5.9968E-07	3.46E-04	2.08E-10	0.25	1.57E-01	8.16E-12	1,000,000	8.16E-06
69	0.83051	8.0753E-07	6.7066E-07	3.46E-04	2.32E-10	0.25	1.57E-01	9.12E-12	1,000,000	9.12E-06
70	0.9331	8.0753E-07	7.535E-07	3.46E-04	2.61E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
71	1.05278	8.0753E-07	8.5015E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
72	1.1916	8.0753E-07	9.6225E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
73	1.35099	8.0753E-07	1.091E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
74	1.52939	8.0753E-07	1.235E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
75	1.72361	8.0753E-07	1.3919E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
76	1.92461	8.0753E-07	1.5542E-06	3.46E-04	5.38E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
77	2.11663	8.0753E-07	1.7092E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
78	2.27862	8.0753E-07	1.84E-06	3.46E-04	6.37E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
79	2.37723	8.0753E-07	1.9197E-06	3.46E-04	6.65E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
80	2.39587	8.0753E-07	1.9347E-06	3.46E-04	6.70E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
81	2.32383	8.0753E-07	1.8766E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
82	2.17973	8.0753E-07	1.7602E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
83	1.97955	8.0753E-07	1.5985E-06	3.46E-04	5.53E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
84	1.76489	8.0753E-07	1.4252E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
85	1.54652	8.0753E-07	1.2489E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.36257	8.0753E-07	1.1003E-06	3.46E-04	3.81E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
87	1.19614	8.0753E-07	9.6591E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
88	1.05486	8.0753E-07	8.5183E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
89	0.70381	8.0753E-07	5.6834E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.73E-12	1,000,000	7.73E-06
90	0.78957	8.0753E-07	6.376E-07	3.46E-04	2.21E-10	0.25	1.57E-01	8.67E-12	1,000,000	8.67E-06
91	0.89139	8.0753E-07	7.1982E-07	3.46E-04	2.49E-10	0.25	1.57E-01	9.79E-12	1,000,000	9.79E-06
92	1.01304	8.0753E-07	8.1806E-07	3.46E-04	2.83E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
93	1.15892	8.0753E-07	9.3586E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
94	1.33367	8.0753E-07	1.077E-06	3.46E-04	3.73E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
95	1.54202	8.0753E-07	1.2452E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
96	1.78668	8.0753E-07	1.4428E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
97	2.06719	8.0753E-07	1.6693E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
98	2.37275	8.0753E-07	1.9161E-06	3.46E-04	6.63E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
99	2.68015	8.0753E-07	2.1643E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
100	2.95399	8.0753E-07	2.3854E-06	3.46E-04	8.26E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
101	3.13884	8.0753E-07	2.5347E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
102	3.18382	8.0753E-07	2.571E-06	3.46E-04	8.90E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
103	3.06767	8.0753E-07	2.4772E-06	3.46E-04	8.58E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
104	2.8073	8.0753E-07	2.267E-06	3.46E-04	7.85E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
105	2.47955	8.0753E-07	2.0023E-06	3.46E-04	6.93E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
106	2.1391	8.0753E-07	1.7274E-06	3.46E-04	5.98E-10	0.25	1.57E-01	2.35E-11	1,000,000	2.35E-05
107	1.82732	8.0753E-07	1.4756E-06	3.46E-04	5.11E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
108	1.56308	8.0753E-07	1.2622E-06	3.46E-04	4.37E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
109	1.34359	8.0753E-07	1.085E-06	3.46E-04	3.76E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
110	1.16634	8.0753E-07	9.4185E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
111	0.71826	8.0753E-07	5.8001E-07	3.46E-04	2.01E-10	0.25	1.57E-01	7.89E-12	1,000,000	7.89E-06
112	0.82508	8.0753E-07	6.6627E-07	3.46E-04	2.31E-10	0.25	1.57E-01	9.06E-12	1,000,000	9.06E-06
113	0.9331	8.0753E-07	7.535E-07	3.46E-04	2.61E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
114	1.07388	8.0753E-07	8.6718E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
115	1.26819	8.0753E-07	1.0241E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
116	1.48612	8.0753E-07	1.2001E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
117	1.75734	8.0753E-07	1.4191E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
118	2.09395	8.0753E-07	1.6909E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	2.50316	8.0753E-07	2.0214E-06	3.46E-04	7.00E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
120	2.98185	8.0753E-07	2.4079E-06	3.46E-04	8.34E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
121	3.5039	8.0753E-07	2.8295E-06	3.46E-04	9.79E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
122	4.00069	8.0753E-07	3.2307E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.39E-11	1,000,000	4.39E-05
123	4.37801	8.0753E-07	3.5354E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
124	4.50396	8.0753E-07	3.6371E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.95E-11	1,000,000	4.95E-05
125	4.28919	8.0753E-07	3.4636E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
126	3.78222	8.0753E-07	3.0542E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
127	3.18424	8.0753E-07	2.5714E-06	3.46E-04	8.90E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
128	2.62656	8.0753E-07	2.121E-06	3.46E-04	7.34E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
129	2.15922	8.0753E-07	1.7436E-06	3.46E-04	6.04E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
130	1.79529	8.0753E-07	1.4497E-06	3.46E-04	5.02E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
131	1.50811	8.0753E-07	1.2178E-06	3.46E-04	4.22E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
132	1.28577	8.0753E-07	1.0383E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
133	0.7145	8.0753E-07	5.7698E-07	3.46E-04	2.00E-10	0.25	1.57E-01	7.85E-12	1,000,000	7.85E-06
134	0.8229	8.0753E-07	6.6451E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.04E-12	1,000,000	9.04E-06
135	0.94966	8.0753E-07	7.6687E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
136	1.13555	8.0753E-07	9.1699E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
137	1.3754	8.0753E-07	1.1107E-06	3.46E-04	3.84E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
138	1.64199	8.0753E-07	1.3259E-06	3.46E-04	4.59E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
139	1.98996	8.0753E-07	1.6069E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
140	2.44827	8.0753E-07	1.977E-06	3.46E-04	6.84E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
141	3.04812	8.0753E-07	2.4614E-06	3.46E-04	8.52E-10	0.25	1.57E-01	3.35E-11	1,000,000	3.35E-05
142	3.81685	8.0753E-07	3.0822E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.19E-11	1,000,000	4.19E-05
143	4.73651	8.0753E-07	3.8249E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.20E-11	1,000,000	5.20E-05
144	5.7181	8.0753E-07	4.6175E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.28E-11	1,000,000	6.28E-05
145	6.5892	8.0753E-07	5.3209E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
146	7.01152	8.0753E-07	5.662E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.70E-11	1,000,000	7.70E-05
147	6.57724	8.0753E-07	5.3113E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.22E-11	1,000,000	7.22E-05
148	5.41358	8.0753E-07	4.3716E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.95E-11	1,000,000	5.95E-05
149	4.21056	8.0753E-07	3.4001E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
150	3.24589	8.0753E-07	2.6211E-06	3.46E-04	9.07E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
151	2.54849	8.0753E-07	2.058E-06	3.46E-04	7.12E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.0525	8.0753E-07	1.6574E-06	3.46E-04	5.74E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
153	1.68567	8.0753E-07	1.3612E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
154	1.41112	8.0753E-07	1.1395E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
155	0.64292	8.0753E-07	5.1917E-07	3.46E-04	1.80E-10	0.25	1.57E-01	7.06E-12	1,000,000	7.06E-06
156	0.75594	8.0753E-07	6.1044E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.30E-12	1,000,000	8.30E-06
157	0.93807	8.0753E-07	7.5751E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
158	1.11262	8.0753E-07	8.9847E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
159	1.39027	8.0753E-07	1.1227E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
160	1.72533	8.0753E-07	1.3932E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
161	2.16948	8.0753E-07	1.7519E-06	3.46E-04	6.06E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
162	2.83204	8.0753E-07	2.2869E-06	3.46E-04	7.92E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
163	3.70726	8.0753E-07	2.9937E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
164	4.96039	8.0753E-07	4.0056E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.45E-11	1,000,000	5.45E-05
165	6.66618	8.0753E-07	5.3831E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.32E-11	1,000,000	7.32E-05
166	8.7476	8.0753E-07	7.0639E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.61E-11	1,000,000	9.61E-05
167	11.03171	8.0753E-07	8.9084E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
168	13.06198	8.0753E-07	1.0548E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
169	12.12254	8.0753E-07	9.7893E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
170	8.40933	8.0753E-07	6.7907E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.23E-11	1,000,000	9.23E-05
171	5.6494	8.0753E-07	4.562E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.20E-11	1,000,000	6.20E-05
172	4.02566	8.0753E-07	3.2508E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
173	3.0026	8.0753E-07	2.4247E-06	3.46E-04	8.39E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
174	2.33481	8.0753E-07	1.8854E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
175	1.87644	8.0753E-07	1.5153E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
176	1.54416	8.0753E-07	1.2469E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
177	0.61769	8.0753E-07	4.988E-07	3.46E-04	1.73E-10	0.25	1.57E-01	6.78E-12	1,000,000	6.78E-06
178	0.74028	8.0753E-07	5.9779E-07	3.46E-04	2.07E-10	0.25	1.57E-01	8.13E-12	1,000,000	8.13E-06
179	0.90964	8.0753E-07	7.3456E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.99E-12	1,000,000	9.99E-06
180	1.1361	8.0753E-07	9.1743E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
181	1.41688	8.0753E-07	1.1442E-06	3.46E-04	3.96E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
182	1.78397	8.0753E-07	1.4406E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
183	2.31434	8.0753E-07	1.8689E-06	3.46E-04	6.47E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
184	38.37595	8.0753E-07	3.099E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.21E-10	1,000,000	4.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	13.98522	8.0753E-07	1.1293E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
186	7.65296	8.0753E-07	6.18E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.40E-11	1,000,000	8.40E-05
187	4.93012	8.0753E-07	3.9812E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
188	3.48922	8.0753E-07	2.8176E-06	3.46E-04	9.75E-10	0.25	1.57E-01	3.83E-11	1,000,000	3.83E-05
189	2.62924	8.0753E-07	2.1232E-06	3.46E-04	7.35E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
190	2.06585	8.0753E-07	1.6682E-06	3.46E-04	5.77E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
191	1.6734	8.0753E-07	1.3513E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
192	0.57065	8.0753E-07	4.6081E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.27E-12	1,000,000	6.27E-06
193	0.67884	8.0753E-07	5.4818E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.45E-12	1,000,000	7.45E-06
194	0.83839	8.0753E-07	6.7702E-07	3.46E-04	2.34E-10	0.25	1.57E-01	9.21E-12	1,000,000	9.21E-06
195	1.03776	8.0753E-07	8.3802E-07	3.46E-04	2.90E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
196	1.31991	8.0753E-07	1.0659E-06	3.46E-04	3.69E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
197	1.66432	8.0753E-07	1.344E-06	3.46E-04	4.65E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
198	2.27043	8.0753E-07	1.8334E-06	3.46E-04	6.35E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
199	8.09328	8.0753E-07	6.5355E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
200	71.27081	8.0753E-07	5.7553E-05	3.46E-04	1.99E-08	0.25	1.57E-01	7.83E-10	1,000,000	7.83E-04
201	19.19539	8.0753E-07	1.5501E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
202	9.32161	8.0753E-07	7.5274E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
203	5.70576	8.0753E-07	4.6075E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
204	3.91374	8.0753E-07	3.1604E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.30E-11	1,000,000	4.30E-05
205	2.88425	8.0753E-07	2.3291E-06	3.46E-04	8.06E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
206	2.23081	8.0753E-07	1.8014E-06	3.46E-04	6.24E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
207	1.78815	8.0753E-07	1.444E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
208	0.52277	8.0753E-07	4.2215E-07	3.46E-04	1.46E-10	0.25	1.57E-01	5.74E-12	1,000,000	5.74E-06
209	0.61922	8.0753E-07	5.0004E-07	3.46E-04	1.73E-10	0.25	1.57E-01	6.80E-12	1,000,000	6.80E-06
210	0.72287	8.0753E-07	5.8374E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.94E-12	1,000,000	7.94E-06
211	0.90998	8.0753E-07	7.3483E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.99E-12	1,000,000	9.99E-06
212	1.13901	8.0753E-07	9.1978E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
213	1.49884	8.0753E-07	1.2104E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
214	2.07322	8.0753E-07	1.6742E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
215	2.94196	8.0753E-07	2.3757E-06	3.46E-04	8.22E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
216	4.93313	8.0753E-07	3.9836E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
217	8.74034	8.0753E-07	7.058E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.60E-11	1,000,000	9.60E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	89.88242	8.0753E-07	7.2582E-05	3.46E-04	2.51E-08	0.25	1.57E-01	9.87E-10	1,000,000	9.87E-04
219	37.12375	8.0753E-07	2.9978E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.08E-10	1,000,000	4.08E-04
220	16.70805	8.0753E-07	1.3492E-05	3.46E-04	4.67E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
221	9.2749	8.0753E-07	7.4897E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
222	5.8796	8.0753E-07	4.7479E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.46E-11	1,000,000	6.46E-05
223	4.07768	8.0753E-07	3.2928E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.48E-11	1,000,000	4.48E-05
224	3.00962	8.0753E-07	2.4303E-06	3.46E-04	8.41E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
225	2.32372	8.0753E-07	1.8765E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
226	1.85769	8.0753E-07	1.5001E-06	3.46E-04	5.19E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
227	0.47427	8.0753E-07	3.8298E-07	3.46E-04	1.33E-10	0.25	1.57E-01	5.21E-12	1,000,000	5.21E-06
228	0.55229	8.0753E-07	4.4599E-07	3.46E-04	1.54E-10	0.25	1.57E-01	6.07E-12	1,000,000	6.07E-06
229	0.65191	8.0753E-07	5.2643E-07	3.46E-04	1.82E-10	0.25	1.57E-01	7.16E-12	1,000,000	7.16E-06
230	0.79401	8.0753E-07	6.4118E-07	3.46E-04	2.22E-10	0.25	1.57E-01	8.72E-12	1,000,000	8.72E-06
231	0.99399	8.0753E-07	8.0267E-07	3.46E-04	2.78E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
232	1.25212	8.0753E-07	1.0111E-06	3.46E-04	3.50E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
233	1.77689	8.0753E-07	1.4349E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
234	2.53191	8.0753E-07	2.0446E-06	3.46E-04	7.08E-10	0.25	1.57E-01	2.78E-11	1,000,000	2.78E-05
235	3.89168	8.0753E-07	3.1426E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.27E-11	1,000,000	4.27E-05
236	6.81415	8.0753E-07	5.5026E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
237	13.5068	8.0753E-07	1.0907E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
238	25.36558	8.0753E-07	2.0483E-05	3.46E-04	7.09E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
239	32.08605	8.0753E-07	2.591E-05	3.46E-04	8.97E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
240	28.01237	8.0753E-07	2.2621E-05	3.46E-04	7.83E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
241	18.62515	8.0753E-07	1.504E-05	3.46E-04	5.21E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
242	11.63188	8.0753E-07	9.393E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
243	7.68785	8.0753E-07	6.2081E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05
244	5.32502	8.0753E-07	4.3001E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.85E-11	1,000,000	5.85E-05
245	3.87511	8.0753E-07	3.1292E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.26E-11	1,000,000	4.26E-05
246	2.93876	8.0753E-07	2.3731E-06	3.46E-04	8.21E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
247	2.3055	8.0753E-07	1.8617E-06	3.46E-04	6.44E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
248	1.85997	8.0753E-07	1.502E-06	3.46E-04	5.20E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
249	0.43142	8.0753E-07	3.4838E-07	3.46E-04	1.21E-10	0.25	1.57E-01	4.74E-12	1,000,000	4.74E-06
250	0.49587	8.0753E-07	4.0043E-07	3.46E-04	1.39E-10	0.25	1.57E-01	5.45E-12	1,000,000	5.45E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.57737	8.0753E-07	4.6624E-07	3.46E-04	1.61E-10	0.25	1.57E-01	6.34E-12	1,000,000	6.34E-06
252	0.70073	8.0753E-07	5.6586E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.70E-12	1,000,000	7.70E-06
253	0.85881	8.0753E-07	6.9351E-07	3.46E-04	2.40E-10	0.25	1.57E-01	9.43E-12	1,000,000	9.43E-06
254	1.12538	8.0753E-07	9.0877E-07	3.46E-04	3.15E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
255	1.46881	8.0753E-07	1.1861E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
256	2.12503	8.0753E-07	1.716E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
257	2.99936	8.0753E-07	2.4221E-06	3.46E-04	8.38E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
258	4.44948	8.0753E-07	3.5931E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
259	6.99956	8.0753E-07	5.6523E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.69E-11	1,000,000	7.69E-05
260	10.50728	8.0753E-07	8.4849E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
261	12.58163	8.0753E-07	1.016E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
262	12.03075	8.0753E-07	9.7151E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
263	9.79247	8.0753E-07	7.9077E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
264	7.54906	8.0753E-07	6.0961E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.29E-11	1,000,000	8.29E-05
265	5.8201	8.0753E-07	4.6999E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
266	4.41333	8.0753E-07	3.5639E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.85E-11	1,000,000	4.85E-05
267	3.41125	8.0753E-07	2.7547E-06	3.46E-04	9.54E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
268	2.69489	8.0753E-07	2.1762E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
269	2.17355	8.0753E-07	1.7552E-06	3.46E-04	6.08E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
270	1.78685	8.0753E-07	1.4429E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
271	0.38434	8.0753E-07	3.1036E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.22E-12	1,000,000	4.22E-06
272	0.43788	8.0753E-07	3.536E-07	3.46E-04	1.22E-10	0.25	1.57E-01	4.81E-12	1,000,000	4.81E-06
273	0.51177	8.0753E-07	4.1327E-07	3.46E-04	1.43E-10	0.25	1.57E-01	5.62E-12	1,000,000	5.62E-06
274	0.60738	8.0753E-07	4.9047E-07	3.46E-04	1.70E-10	0.25	1.57E-01	6.67E-12	1,000,000	6.67E-06
275	0.73758	8.0753E-07	5.9561E-07	3.46E-04	2.06E-10	0.25	1.57E-01	8.10E-12	1,000,000	8.10E-06
276	0.93408	8.0753E-07	7.5429E-07	3.46E-04	2.61E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
277	1.20439	8.0753E-07	9.7258E-07	3.46E-04	3.37E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
278	1.57005	8.0753E-07	1.2679E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
279	2.15962	8.0753E-07	1.7439E-06	3.46E-04	6.04E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
280	3.01892	8.0753E-07	2.4379E-06	3.46E-04	8.44E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
281	4.2277	8.0753E-07	3.414E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.64E-11	1,000,000	4.64E-05
282	5.60197	8.0753E-07	4.5237E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.15E-11	1,000,000	6.15E-05
283	6.48729	8.0753E-07	5.2386E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.12E-11	1,000,000	7.12E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	5.97115	8.0753E-07	4.8219E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.56E-11	1,000,000	6.56E-05
285	5.63382	8.0753E-07	4.5495E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.19E-11	1,000,000	6.19E-05
286	4.90857	8.0753E-07	3.9638E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.39E-11	1,000,000	5.39E-05
287	4.14141	8.0753E-07	3.3443E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
288	3.46213	8.0753E-07	2.7958E-06	3.46E-04	9.68E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
289	2.88139	8.0753E-07	2.3268E-06	3.46E-04	8.05E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
290	2.36413	8.0753E-07	1.9091E-06	3.46E-04	6.61E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
291	1.96756	8.0753E-07	1.5889E-06	3.46E-04	5.50E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
292	1.65642	8.0753E-07	1.3376E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
293	0.34555	8.0753E-07	2.7904E-07	3.46E-04	9.66E-11	0.25	1.57E-01	3.79E-12	1,000,000	3.79E-06
294	0.39401	8.0753E-07	3.1817E-07	3.46E-04	1.10E-10	0.25	1.57E-01	4.33E-12	1,000,000	4.33E-06
295	0.4543	8.0753E-07	3.6686E-07	3.46E-04	1.27E-10	0.25	1.57E-01	4.99E-12	1,000,000	4.99E-06
296	0.5276	8.0753E-07	4.2605E-07	3.46E-04	1.47E-10	0.25	1.57E-01	5.79E-12	1,000,000	5.79E-06
297	0.63833	8.0753E-07	5.1547E-07	3.46E-04	1.78E-10	0.25	1.57E-01	7.01E-12	1,000,000	7.01E-06
298	0.7789	8.0753E-07	6.2898E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.55E-12	1,000,000	8.55E-06
299	0.97138	8.0753E-07	7.8441E-07	3.46E-04	2.72E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
300	1.26243	8.0753E-07	1.0194E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
301	1.57331	8.0753E-07	1.2705E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
302	2.10295	8.0753E-07	1.6982E-06	3.46E-04	5.88E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
303	2.73704	8.0753E-07	2.2102E-06	3.46E-04	7.65E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
304	3.43659	8.0753E-07	2.7751E-06	3.46E-04	9.61E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
305	3.78261	8.0753E-07	3.0546E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
306	3.66697	8.0753E-07	2.9612E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
307	3.50178	8.0753E-07	2.8278E-06	3.46E-04	9.79E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
308	3.21413	8.0753E-07	2.5955E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
309	3.0758	8.0753E-07	2.4838E-06	3.46E-04	8.60E-10	0.25	1.57E-01	3.38E-11	1,000,000	3.38E-05
310	2.6791	8.0753E-07	2.1634E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
311	2.34161	8.0753E-07	1.8909E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
312	2.02706	8.0753E-07	1.6369E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
313	1.75058	8.0753E-07	1.4136E-06	3.46E-04	4.89E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
314	1.52026	8.0753E-07	1.2276E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
315	0.30597	8.0753E-07	2.4708E-07	3.46E-04	8.55E-11	0.25	1.57E-01	3.36E-12	1,000,000	3.36E-06
316	0.34827	8.0753E-07	2.8124E-07	3.46E-04	9.74E-11	0.25	1.57E-01	3.82E-12	1,000,000	3.82E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.39814	8.0753E-07	3.2151E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.37E-12	1,000,000	4.37E-06
318	0.45785	8.0753E-07	3.6973E-07	3.46E-04	1.28E-10	0.25	1.57E-01	5.03E-12	1,000,000	5.03E-06
319	0.52855	8.0753E-07	4.2682E-07	3.46E-04	1.48E-10	0.25	1.57E-01	5.80E-12	1,000,000	5.80E-06
320	0.65556	8.0753E-07	5.2938E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.20E-12	1,000,000	7.20E-06
321	0.78302	8.0753E-07	6.3231E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.60E-12	1,000,000	8.60E-06
322	0.96346	8.0753E-07	7.7802E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
323	1.22009	8.0753E-07	9.8525E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
324	1.51773	8.0753E-07	1.2256E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
325	1.87311	8.0753E-07	1.5126E-06	3.46E-04	5.24E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
326	2.26958	8.0753E-07	1.8327E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
327	2.8747	8.0753E-07	2.3214E-06	3.46E-04	8.04E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
328	2.4049	8.0753E-07	1.942E-06	3.46E-04	6.72E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
329	2.3308	8.0753E-07	1.8822E-06	3.46E-04	6.52E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
330	2.26347	8.0753E-07	1.8278E-06	3.46E-04	6.33E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
331	2.17287	8.0753E-07	1.7546E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
332	2.05309	8.0753E-07	1.6579E-06	3.46E-04	5.74E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
333	1.87464	8.0753E-07	1.5138E-06	3.46E-04	5.24E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
334	1.70111	8.0753E-07	1.3737E-06	3.46E-04	4.76E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
335	1.51484	8.0753E-07	1.2233E-06	3.46E-04	4.23E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
336	1.34778	8.0753E-07	1.0884E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
337	0.27786	8.0753E-07	2.2438E-07	3.46E-04	7.77E-11	0.25	1.57E-01	3.05E-12	1,000,000	3.05E-06
338	0.31154	8.0753E-07	2.5158E-07	3.46E-04	8.71E-11	0.25	1.57E-01	3.42E-12	1,000,000	3.42E-06
339	0.34796	8.0753E-07	2.8099E-07	3.46E-04	9.73E-11	0.25	1.57E-01	3.82E-12	1,000,000	3.82E-06
340	0.40126	8.0753E-07	3.2403E-07	3.46E-04	1.12E-10	0.25	1.57E-01	4.41E-12	1,000,000	4.41E-06
341	0.4567	8.0753E-07	3.688E-07	3.46E-04	1.28E-10	0.25	1.57E-01	5.02E-12	1,000,000	5.02E-06
342	0.55089	8.0753E-07	4.4486E-07	3.46E-04	1.54E-10	0.25	1.57E-01	6.05E-12	1,000,000	6.05E-06
343	0.63871	8.0753E-07	5.1577E-07	3.46E-04	1.79E-10	0.25	1.57E-01	7.01E-12	1,000,000	7.01E-06
344	0.7685	8.0753E-07	6.2058E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.44E-12	1,000,000	8.44E-06
345	0.93015	8.0753E-07	7.5112E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
346	1.14615	8.0753E-07	9.2554E-07	3.46E-04	3.20E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
347	1.33842	8.0753E-07	1.0808E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
348	1.54718	8.0753E-07	1.2494E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
349	1.52161	8.0753E-07	1.2287E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.5816	8.0753E-07	1.2772E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
351	1.60739	8.0753E-07	1.298E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
352	1.53202	8.0753E-07	1.2371E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
353	1.57923	8.0753E-07	1.2753E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
354	1.51041	8.0753E-07	1.2197E-06	3.46E-04	4.22E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
355	1.46517	8.0753E-07	1.1832E-06	3.46E-04	4.10E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
356	1.39656	8.0753E-07	1.1278E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
357	1.29666	8.0753E-07	1.0471E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
358	1.20133	8.0753E-07	9.701E-07	3.46E-04	3.36E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
359	0.24715	8.0753E-07	1.9958E-07	3.46E-04	6.91E-11	0.25	1.57E-01	2.71E-12	1,000,000	2.71E-06
360	0.27648	8.0753E-07	2.2326E-07	3.46E-04	7.73E-11	0.25	1.57E-01	3.04E-12	1,000,000	3.04E-06
361	0.30829	8.0753E-07	2.4895E-07	3.46E-04	8.62E-11	0.25	1.57E-01	3.39E-12	1,000,000	3.39E-06
362	0.34604	8.0753E-07	2.7944E-07	3.46E-04	9.67E-11	0.25	1.57E-01	3.80E-12	1,000,000	3.80E-06
363	0.38777	8.0753E-07	3.1313E-07	3.46E-04	1.08E-10	0.25	1.57E-01	4.26E-12	1,000,000	4.26E-06
364	0.45145	8.0753E-07	3.6456E-07	3.46E-04	1.26E-10	0.25	1.57E-01	4.96E-12	1,000,000	4.96E-06
365	0.52729	8.0753E-07	4.258E-07	3.46E-04	1.47E-10	0.25	1.57E-01	5.79E-12	1,000,000	5.79E-06
366	0.62318	8.0753E-07	5.0323E-07	3.46E-04	1.74E-10	0.25	1.57E-01	6.84E-12	1,000,000	6.84E-06
367	0.75129	8.0753E-07	6.0669E-07	3.46E-04	2.10E-10	0.25	1.57E-01	8.25E-12	1,000,000	8.25E-06
368	0.87356	8.0753E-07	7.0542E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.59E-12	1,000,000	9.59E-06
369	0.9769	8.0753E-07	7.8887E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
370	1.04613	8.0753E-07	8.4478E-07	3.46E-04	2.92E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
371	1.12726	8.0753E-07	9.1029E-07	3.46E-04	3.15E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
372	1.16586	8.0753E-07	9.4146E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
373	1.14621	8.0753E-07	9.2559E-07	3.46E-04	3.20E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
374	1.10991	8.0753E-07	8.9628E-07	3.46E-04	3.10E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
375	1.14255	8.0753E-07	9.2264E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
376	1.11887	8.0753E-07	9.0352E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
377	1.11295	8.0753E-07	8.9873E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
378	1.13394	8.0753E-07	9.1568E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
379	1.09105	8.0753E-07	8.8105E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
380	1.01709	8.0753E-07	8.2133E-07	3.46E-04	2.84E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
381	0.75808	8.0753E-07	6.1217E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.33E-12	1,000,000	8.33E-06
382	0.84547	8.0753E-07	6.8274E-07	3.46E-04	2.36E-10	0.25	1.57E-01	9.28E-12	1,000,000	9.28E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	0.94624	8.0753E-07	7.6411E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
384	1.06186	8.0753E-07	8.5748E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
385	1.19343	8.0753E-07	9.6372E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
386	1.33989	8.0753E-07	1.082E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
387	1.498	8.0753E-07	1.2097E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
388	1.66308	8.0753E-07	1.343E-06	3.46E-04	4.65E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
389	1.82372	8.0753E-07	1.4727E-06	3.46E-04	5.10E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
390	1.96483	8.0753E-07	1.5866E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
391	2.067	8.0753E-07	1.6692E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
392	2.11307	8.0753E-07	1.7064E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
393	2.0911	8.0753E-07	1.6886E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
394	2.00575	8.0753E-07	1.6197E-06	3.46E-04	5.61E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
395	1.86406	8.0753E-07	1.5053E-06	3.46E-04	5.21E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
396	1.69521	8.0753E-07	1.3689E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
397	1.51934	8.0753E-07	1.2269E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
398	1.34958	8.0753E-07	1.0898E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
399	0.81168	8.0753E-07	6.5545E-07	3.46E-04	2.27E-10	0.25	1.57E-01	8.91E-12	1,000,000	8.91E-06
400	0.91461	8.0753E-07	7.3857E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
401	1.03632	8.0753E-07	8.3685E-07	3.46E-04	2.90E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
402	1.18006	8.0753E-07	9.5293E-07	3.46E-04	3.30E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
403	1.34868	8.0753E-07	1.0891E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
404	1.54339	8.0753E-07	1.2463E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
405	1.7643	8.0753E-07	1.4247E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
406	2.0058	8.0753E-07	1.6197E-06	3.46E-04	5.61E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
407	2.25327	8.0753E-07	1.8196E-06	3.46E-04	6.30E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
408	2.48459	8.0753E-07	2.0064E-06	3.46E-04	6.95E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
409	2.66102	8.0753E-07	2.1488E-06	3.46E-04	7.44E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
410	2.74318	8.0753E-07	2.2152E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
411	2.71372	8.0753E-07	2.1914E-06	3.46E-04	7.59E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05
412	2.57143	8.0753E-07	2.0765E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
413	2.33876	8.0753E-07	1.8886E-06	3.46E-04	6.54E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
414	2.07136	8.0753E-07	1.6727E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
415	1.8052	8.0753E-07	1.4577E-06	3.46E-04	5.05E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.55896	8.0753E-07	1.2589E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
417	0.86045	8.0753E-07	6.9483E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.45E-12	1,000,000	9.45E-06
418	0.98403	8.0753E-07	7.9463E-07	3.46E-04	2.75E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
419	1.12932	8.0753E-07	9.1195E-07	3.46E-04	3.16E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
420	1.30634	8.0753E-07	1.0549E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
421	1.52203	8.0753E-07	1.2291E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
422	1.784	8.0753E-07	1.4406E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
423	2.09692	8.0753E-07	1.6933E-06	3.46E-04	5.86E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
424	2.45849	8.0753E-07	1.9853E-06	3.46E-04	6.87E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
425	2.85093	8.0753E-07	2.3022E-06	3.46E-04	7.97E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
426	3.24366	8.0753E-07	2.6193E-06	3.46E-04	9.07E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
427	3.56488	8.0753E-07	2.8787E-06	3.46E-04	9.97E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
428	3.74389	8.0753E-07	3.0233E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
429	3.70412	8.0753E-07	2.9912E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
430	3.43402	8.0753E-07	2.7731E-06	3.46E-04	9.60E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
431	3.02055	8.0753E-07	2.4392E-06	3.46E-04	8.44E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
432	2.5735	8.0753E-07	2.0782E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
433	2.17172	8.0753E-07	1.7537E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
434	1.82113	8.0753E-07	1.4706E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
435	0.87891	8.0753E-07	7.0974E-07	3.46E-04	2.46E-10	0.25	1.57E-01	9.65E-12	1,000,000	9.65E-06
436	1.02298	8.0753E-07	8.2608E-07	3.46E-04	2.86E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
437	1.21028	8.0753E-07	9.7733E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
438	1.43626	8.0753E-07	1.1598E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
439	1.70891	8.0753E-07	1.38E-06	3.46E-04	4.78E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
440	2.05706	8.0753E-07	1.6611E-06	3.46E-04	5.75E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
441	2.49971	8.0753E-07	2.0186E-06	3.46E-04	6.99E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
442	3.05067	8.0753E-07	2.4635E-06	3.46E-04	8.53E-10	0.25	1.57E-01	3.35E-11	1,000,000	3.35E-05
443	3.70344	8.0753E-07	2.9906E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
444	4.40839	8.0753E-07	3.5599E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
445	5.05953	8.0753E-07	4.0857E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.56E-11	1,000,000	5.56E-05
446	5.48637	8.0753E-07	4.4304E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.03E-11	1,000,000	6.03E-05
447	5.45893	8.0753E-07	4.4082E-06	3.46E-04	1.53E-09	0.25	1.57E-01	5.99E-11	1,000,000	5.99E-05
448	4.8858	8.0753E-07	3.9454E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.37E-11	1,000,000	5.37E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	4.06006	8.0753E-07	3.2786E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
450	3.26733	8.0753E-07	2.6385E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
451	2.60617	8.0753E-07	2.1045E-06	3.46E-04	7.29E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
452	2.11662	8.0753E-07	1.7092E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
453	0.86429	8.0753E-07	6.9794E-07	3.46E-04	2.42E-10	0.25	1.57E-01	9.49E-12	1,000,000	9.49E-06
454	1.03492	8.0753E-07	8.3572E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
455	1.26059	8.0753E-07	1.018E-06	3.46E-04	3.52E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
456	1.5354	8.0753E-07	1.2399E-06	3.46E-04	4.29E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
457	1.8979	8.0753E-07	1.5326E-06	3.46E-04	5.31E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
458	2.35225	8.0753E-07	1.8995E-06	3.46E-04	6.58E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
459	2.9734	8.0753E-07	2.4011E-06	3.46E-04	8.31E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
460	3.81989	8.0753E-07	3.0847E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.19E-11	1,000,000	4.19E-05
461	4.93388	8.0753E-07	3.9842E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
462	6.28515	8.0753E-07	5.0754E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.90E-11	1,000,000	6.90E-05
463	7.73025	8.0753E-07	6.2424E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.49E-11	1,000,000	8.49E-05
464	8.96691	8.0753E-07	7.241E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.85E-11	1,000,000	9.85E-05
465	9.19234	8.0753E-07	7.423E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
466	7.70334	8.0753E-07	6.2206E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.46E-11	1,000,000	8.46E-05
467	5.70869	8.0753E-07	4.6099E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
468	4.1828	8.0753E-07	3.3777E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.59E-11	1,000,000	4.59E-05
469	3.15173	8.0753E-07	2.5451E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
470	2.45362	8.0753E-07	1.9814E-06	3.46E-04	6.86E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
471	0.81314	8.0753E-07	6.5663E-07	3.46E-04	2.27E-10	0.25	1.57E-01	8.93E-12	1,000,000	8.93E-06
472	1.01149	8.0753E-07	8.168E-07	3.46E-04	2.83E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
473	1.24906	8.0753E-07	1.0086E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
474	1.55938	8.0753E-07	1.2592E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
475	1.95882	8.0753E-07	1.5818E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
476	14.47045	8.0753E-07	1.1685E-05	3.46E-04	4.05E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
477	8.27974	8.0753E-07	6.6861E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.09E-11	1,000,000	9.09E-05
478	5.38669	8.0753E-07	4.3499E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.92E-11	1,000,000	5.92E-05
479	3.78941	8.0753E-07	3.06E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
480	2.82272	8.0753E-07	2.2794E-06	3.46E-04	7.89E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
481	0.77199	8.0753E-07	6.234E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.48E-12	1,000,000	8.48E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	0.95857	8.0753E-07	7.7407E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
483	1.1635	8.0753E-07	9.3956E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
484	1.46227	8.0753E-07	1.1808E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
485	1.99293	8.0753E-07	1.6093E-06	3.46E-04	5.57E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
486	30.38609	8.0753E-07	2.4538E-05	3.46E-04	8.49E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
487	11.77904	8.0753E-07	9.5119E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
488	6.67576	8.0753E-07	5.3908E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.33E-11	1,000,000	7.33E-05
489	4.42755	8.0753E-07	3.5754E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.86E-11	1,000,000	4.86E-05
490	3.18847	8.0753E-07	2.5748E-06	3.46E-04	8.91E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
491	0.70401	8.0753E-07	5.6851E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.73E-12	1,000,000	7.73E-06
492	0.8686	8.0753E-07	7.0142E-07	3.46E-04	2.43E-10	0.25	1.57E-01	9.54E-12	1,000,000	9.54E-06
493	1.05884	8.0753E-07	8.5504E-07	3.46E-04	2.96E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
494	1.35839	8.0753E-07	1.0969E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
495	1.82617	8.0753E-07	1.4747E-06	3.46E-04	5.10E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
496	6.47692	8.0753E-07	5.2303E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
497	12.58137	8.0753E-07	1.016E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
498	112.4709	8.0753E-07	9.0823E-05	3.46E-04	3.14E-08	0.25	1.57E-01	1.24E-09	1,000,000	1.24E-03
499	29.2622	8.0753E-07	2.363E-05	3.46E-04	8.18E-09	0.25	1.57E-01	3.21E-10	1,000,000	3.21E-04
500	12.958	8.0753E-07	1.0464E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
501	7.38453	8.0753E-07	5.9632E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.11E-11	1,000,000	8.11E-05
502	4.82794	8.0753E-07	3.8987E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
503	3.43801	8.0753E-07	2.7763E-06	3.46E-04	9.61E-10	0.25	1.57E-01	3.78E-11	1,000,000	3.78E-05
504	0.63506	8.0753E-07	5.1283E-07	3.46E-04	1.78E-10	0.25	1.57E-01	6.97E-12	1,000,000	6.97E-06
505	0.751	8.0753E-07	6.0645E-07	3.46E-04	2.10E-10	0.25	1.57E-01	8.25E-12	1,000,000	8.25E-06
506	0.96187	8.0753E-07	7.7673E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
507	1.19239	8.0753E-07	9.6288E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
508	1.65416	8.0753E-07	1.3358E-06	3.46E-04	4.62E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
509	2.2816	8.0753E-07	1.8424E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
510	3.35817	8.0753E-07	2.7118E-06	3.46E-04	9.39E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
511	5.68856	8.0753E-07	4.5937E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
512	11.6596	8.0753E-07	9.4154E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
513	34.11058	8.0753E-07	2.7545E-05	3.46E-04	9.54E-09	0.25	1.57E-01	3.75E-10	1,000,000	3.75E-04
514	63.77413	8.0753E-07	5.1499E-05	3.46E-04	1.78E-08	0.25	1.57E-01	7.00E-10	1,000,000	7.00E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	65.12105	8.0753E-07	5.2587E-05	3.46E-04	1.82E-08	0.25	1.57E-01	7.15E-10	1,000,000	7.15E-04
516	37.28628	8.0753E-07	3.011E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.09E-10	1,000,000	4.09E-04
517	19.03115	8.0753E-07	1.5368E-05	3.46E-04	5.32E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
518	10.90782	8.0753E-07	8.8083E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
519	6.91323	8.0753E-07	5.5826E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.59E-11	1,000,000	7.59E-05
520	4.73996	8.0753E-07	3.8276E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.21E-11	1,000,000	5.21E-05
521	3.45205	8.0753E-07	2.7876E-06	3.46E-04	9.65E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
522	0.56401	8.0753E-07	4.5545E-07	3.46E-04	1.58E-10	0.25	1.57E-01	6.19E-12	1,000,000	6.19E-06
523	0.68357	8.0753E-07	5.52E-07	3.46E-04	1.91E-10	0.25	1.57E-01	7.51E-12	1,000,000	7.51E-06
524	0.84189	8.0753E-07	6.7985E-07	3.46E-04	2.35E-10	0.25	1.57E-01	9.25E-12	1,000,000	9.25E-06
525	1.05241	8.0753E-07	8.4985E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
526	1.31595	8.0753E-07	1.0627E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
527	1.93107	8.0753E-07	1.5594E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
528	2.78189	8.0753E-07	2.2464E-06	3.46E-04	7.78E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
529	4.28489	8.0753E-07	3.4602E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
530	7.32189	8.0753E-07	5.9126E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.04E-11	1,000,000	8.04E-05
531	12.51933	8.0753E-07	1.011E-05	3.46E-04	3.50E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
532	17.72546	8.0753E-07	1.4314E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
533	18.98069	8.0753E-07	1.5327E-05	3.46E-04	5.31E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
534	15.51536	8.0753E-07	1.2529E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
535	11.28608	8.0753E-07	9.1138E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
536	7.98636	8.0753E-07	6.4492E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
537	5.71038	8.0753E-07	4.6113E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
538	4.21352	8.0753E-07	3.4025E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.63E-11	1,000,000	4.63E-05
539	3.21016	8.0753E-07	2.5923E-06	3.46E-04	8.97E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
540	0.50206	8.0753E-07	4.0543E-07	3.46E-04	1.40E-10	0.25	1.57E-01	5.51E-12	1,000,000	5.51E-06
541	0.6014	8.0753E-07	4.8565E-07	3.46E-04	1.68E-10	0.25	1.57E-01	6.60E-12	1,000,000	6.60E-06
542	0.72963	8.0753E-07	5.8919E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.01E-12	1,000,000	8.01E-06
543	0.90368	8.0753E-07	7.2974E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.92E-12	1,000,000	9.92E-06
544	1.18194	8.0753E-07	9.5445E-07	3.46E-04	3.30E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
545	1.53451	8.0753E-07	1.2392E-06	3.46E-04	4.29E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
546	2.14517	8.0753E-07	1.7323E-06	3.46E-04	6.00E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
547	3.0435	8.0753E-07	2.4577E-06	3.46E-04	8.51E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	4.52516	8.0753E-07	3.6542E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.97E-11	1,000,000	4.97E-05
549	6.33995	8.0753E-07	5.1197E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.96E-11	1,000,000	6.96E-05
550	8.4473	8.0753E-07	6.8214E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.28E-11	1,000,000	9.28E-05
551	9.4215	8.0753E-07	7.6081E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
552	8.1308	8.0753E-07	6.5658E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.93E-11	1,000,000	8.93E-05
553	6.73163	8.0753E-07	5.436E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.39E-11	1,000,000	7.39E-05
554	5.42537	8.0753E-07	4.3811E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.96E-11	1,000,000	5.96E-05
555	4.44947	8.0753E-07	3.5931E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
556	3.51678	8.0753E-07	2.8399E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
557	2.81611	8.0753E-07	2.2741E-06	3.46E-04	7.87E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
558	0.4489	8.0753E-07	3.625E-07	3.46E-04	1.25E-10	0.25	1.57E-01	4.93E-12	1,000,000	4.93E-06
559	0.53326	8.0753E-07	4.3062E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.86E-12	1,000,000	5.86E-06
560	0.62484	8.0753E-07	5.0457E-07	3.46E-04	1.75E-10	0.25	1.57E-01	6.86E-12	1,000,000	6.86E-06
561	0.76702	8.0753E-07	6.1939E-07	3.46E-04	2.14E-10	0.25	1.57E-01	8.42E-12	1,000,000	8.42E-06
562	0.93709	8.0753E-07	7.5672E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
563	1.19317	8.0753E-07	9.6351E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
564	1.61701	8.0753E-07	1.3058E-06	3.46E-04	4.52E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
565	2.12878	8.0753E-07	1.719E-06	3.46E-04	5.95E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
566	2.96352	8.0753E-07	2.3931E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
567	3.82895	8.0753E-07	3.092E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
568	4.76115	8.0753E-07	3.8447E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05
569	4.6855	8.0753E-07	3.7837E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
570	4.44468	8.0753E-07	3.5892E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.88E-11	1,000,000	4.88E-05
571	4.20438	8.0753E-07	3.3951E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
572	3.83897	8.0753E-07	3.1001E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
573	3.29822	8.0753E-07	2.6634E-06	3.46E-04	9.22E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
574	2.8175	8.0753E-07	2.2752E-06	3.46E-04	7.88E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
575	2.39441	8.0753E-07	1.9335E-06	3.46E-04	6.69E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.0753E-07	4.4804E-07	1.05E-03	4.68E-10	2.00	1.57E-01	1.47E-10	1,000,000	1.5E-04
2	8.0753E-07	4.8734E-07	1.05E-03	5.09E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
3	8.0753E-07	5.3079E-07	1.05E-03	5.55E-10	2.00	1.57E-01	1.74E-10	1,000,000	1.74E-04
4	8.0753E-07	5.7835E-07	1.05E-03	6.04E-10	2.00	1.57E-01	1.90E-10	1,000,000	1.90E-04
5	8.0753E-07	6.3024E-07	1.05E-03	6.59E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
6	8.0753E-07	6.8602E-07	1.05E-03	7.17E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
7	8.0753E-07	7.4421E-07	1.05E-03	7.78E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04
8	8.0753E-07	8.036E-07	1.05E-03	8.40E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
9	8.0753E-07	8.6238E-07	1.05E-03	9.01E-10	2.00	1.57E-01	2.83E-10	1,000,000	2.83E-04
10	8.0753E-07	9.1667E-07	1.05E-03	9.58E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
11	8.0753E-07	9.6284E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
12	8.0753E-07	9.9726E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.28E-10	1,000,000	3.28E-04
13	8.0753E-07	1.0164E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.34E-10	1,000,000	3.34E-04
14	8.0753E-07	1.0179E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.34E-10	1,000,000	3.34E-04
15	8.0753E-07	1.0013E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
16	8.0753E-07	9.6722E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.18E-10	1,000,000	3.18E-04
17	8.0753E-07	9.2149E-07	1.05E-03	9.63E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
18	8.0753E-07	8.6622E-07	1.05E-03	9.05E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
19	8.0753E-07	8.0505E-07	1.05E-03	8.41E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
20	8.0753E-07	7.4436E-07	1.05E-03	7.78E-10	2.00	1.57E-01	2.45E-10	1,000,000	2.45E-04
21	8.0753E-07	6.8458E-07	1.05E-03	7.16E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
22	8.0753E-07	6.2698E-07	1.05E-03	6.55E-10	2.00	1.57E-01	2.06E-10	1,000,000	2.06E-04
23	8.0753E-07	4.7782E-07	1.05E-03	4.99E-10	2.00	1.57E-01	1.57E-10	1,000,000	1.57E-04
24	8.0753E-07	5.2357E-07	1.05E-03	5.47E-10	2.00	1.57E-01	1.72E-10	1,000,000	1.72E-04
25	8.0753E-07	5.7495E-07	1.05E-03	6.01E-10	2.00	1.57E-01	1.89E-10	1,000,000	1.89E-04
26	8.0753E-07	6.3245E-07	1.05E-03	6.61E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.0753E-07	6.9621E-07	1.05E-03	7.28E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
28	8.0753E-07	7.6665E-07	1.05E-03	8.01E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
29	8.0753E-07	8.4178E-07	1.05E-03	8.80E-10	2.00	1.57E-01	2.77E-10	1,000,000	2.77E-04
30	8.0753E-07	9.2127E-07	1.05E-03	9.63E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
31	8.0753E-07	1.001E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
32	8.0753E-07	1.077E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04
33	8.0753E-07	1.1429E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
34	8.0753E-07	1.1947E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.92E-10	1,000,000	3.92E-04
35	8.0753E-07	1.2249E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.02E-10	1,000,000	4.02E-04
36	8.0753E-07	1.2294E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
37	8.0753E-07	1.2025E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
38	8.0753E-07	1.1534E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.79E-10	1,000,000	3.79E-04
39	8.0753E-07	1.0883E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
40	8.0753E-07	1.0101E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
41	8.0753E-07	9.26E-07	1.05E-03	9.68E-10	2.00	1.57E-01	3.04E-10	1,000,000	3.04E-04
42	8.0753E-07	8.4252E-07	1.05E-03	8.81E-10	2.00	1.57E-01	2.77E-10	1,000,000	2.77E-04
43	8.0753E-07	7.6321E-07	1.05E-03	7.98E-10	2.00	1.57E-01	2.51E-10	1,000,000	2.51E-04
44	8.0753E-07	6.9421E-07	1.05E-03	7.26E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
45	8.0753E-07	5.0833E-07	1.05E-03	5.31E-10	2.00	1.57E-01	1.67E-10	1,000,000	1.67E-04
46	8.0753E-07	5.6129E-07	1.05E-03	5.87E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
47	8.0753E-07	6.2192E-07	1.05E-03	6.50E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04
48	8.0753E-07	6.9117E-07	1.05E-03	7.22E-10	2.00	1.57E-01	2.27E-10	1,000,000	2.27E-04
49	8.0753E-07	7.698E-07	1.05E-03	8.05E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
50	8.0753E-07	8.5837E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
51	8.0753E-07	9.5665E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
52	8.0753E-07	1.063E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.0753E-07	1.1744E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
54	8.0753E-07	1.2833E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04
55	8.0753E-07	1.3823E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.54E-10	1,000,000	4.54E-04
56	8.0753E-07	1.4614E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.80E-10	1,000,000	4.80E-04
57	8.0753E-07	1.5089E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
58	8.0753E-07	1.52E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
59	8.0753E-07	1.4796E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
60	8.0753E-07	1.4044E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.61E-10	1,000,000	4.61E-04
61	8.0753E-07	1.3063E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.29E-10	1,000,000	4.29E-04
62	8.0753E-07	1.191E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.91E-10	1,000,000	3.91E-04
63	8.0753E-07	1.0731E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.53E-10	1,000,000	3.53E-04
64	8.0753E-07	9.6116E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
65	8.0753E-07	8.5959E-07	1.05E-03	8.98E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
66	8.0753E-07	7.692E-07	1.05E-03	8.04E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
67	8.0753E-07	5.3881E-07	1.05E-03	5.63E-10	2.00	1.57E-01	1.77E-10	1,000,000	1.77E-04
68	8.0753E-07	5.9968E-07	1.05E-03	6.27E-10	2.00	1.57E-01	1.97E-10	1,000,000	1.97E-04
69	8.0753E-07	6.7066E-07	1.05E-03	7.01E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
70	8.0753E-07	7.535E-07	1.05E-03	7.88E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
71	8.0753E-07	8.5015E-07	1.05E-03	8.89E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
72	8.0753E-07	9.6225E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
73	8.0753E-07	1.091E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
74	8.0753E-07	1.235E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
75	8.0753E-07	1.3919E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
76	8.0753E-07	1.5542E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
77	8.0753E-07	1.7092E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
78	8.0753E-07	1.84E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.04E-10	1,000,000	6.04E-04
79	8.0753E-07	1.9197E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.31E-10	1,000,000	6.31E-04
80	8.0753E-07	1.9347E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.36E-10	1,000,000	6.36E-04
81	8.0753E-07	1.8766E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.16E-10	1,000,000	6.16E-04
82	8.0753E-07	1.7602E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
83	8.0753E-07	1.5985E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.25E-10	1,000,000	5.25E-04
84	8.0753E-07	1.4252E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
85	8.0753E-07	1.2489E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.0753E-07	1.1003E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04
87	8.0753E-07	9.6591E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
88	8.0753E-07	8.5183E-07	1.05E-03	8.90E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
89	8.0753E-07	5.6834E-07	1.05E-03	5.94E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
90	8.0753E-07	6.376E-07	1.05E-03	6.66E-10	2.00	1.57E-01	2.09E-10	1,000,000	2.09E-04
91	8.0753E-07	7.1982E-07	1.05E-03	7.52E-10	2.00	1.57E-01	2.36E-10	1,000,000	2.36E-04
92	8.0753E-07	8.1806E-07	1.05E-03	8.55E-10	2.00	1.57E-01	2.69E-10	1,000,000	2.69E-04
93	8.0753E-07	9.3586E-07	1.05E-03	9.78E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04
94	8.0753E-07	1.077E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04
95	8.0753E-07	1.2452E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
96	8.0753E-07	1.4428E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
97	8.0753E-07	1.6693E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
98	8.0753E-07	1.9161E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.29E-10	1,000,000	6.29E-04
99	8.0753E-07	2.1643E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.11E-10	1,000,000	7.11E-04
100	8.0753E-07	2.3854E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.84E-10	1,000,000	7.84E-04
101	8.0753E-07	2.5347E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.33E-10	1,000,000	8.33E-04
102	8.0753E-07	2.571E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
103	8.0753E-07	2.4772E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.14E-10	1,000,000	8.14E-04
104	8.0753E-07	2.267E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.45E-10	1,000,000	7.45E-04
105	8.0753E-07	2.0023E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.58E-10	1,000,000	6.58E-04
106	8.0753E-07	1.7274E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.67E-10	1,000,000	5.67E-04
107	8.0753E-07	1.4756E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.85E-10	1,000,000	4.85E-04
108	8.0753E-07	1.2622E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
109	8.0753E-07	1.085E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
110	8.0753E-07	9.4185E-07	1.05E-03	9.84E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
111	8.0753E-07	5.8001E-07	1.05E-03	6.06E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04
112	8.0753E-07	6.6627E-07	1.05E-03	6.96E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
113	8.0753E-07	7.535E-07	1.05E-03	7.88E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
114	8.0753E-07	8.6718E-07	1.05E-03	9.06E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
115	8.0753E-07	1.0241E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
116	8.0753E-07	1.2001E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
117	8.0753E-07	1.4191E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
118	8.0753E-07	1.6909E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.0753E-07	2.0214E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.64E-10	1,000,000	6.64E-04
120	8.0753E-07	2.4079E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.91E-10	1,000,000	7.91E-04
121	8.0753E-07	2.8295E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.29E-10	1,000,000	9.29E-04
122	8.0753E-07	3.2307E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
123	8.0753E-07	3.5354E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
124	8.0753E-07	3.6371E-06	1.05E-03	3.80E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
125	8.0753E-07	3.4636E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
126	8.0753E-07	3.0542E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
127	8.0753E-07	2.5714E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
128	8.0753E-07	2.121E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
129	8.0753E-07	1.7436E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
130	8.0753E-07	1.4497E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.76E-10	1,000,000	4.76E-04
131	8.0753E-07	1.2178E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.00E-10	1,000,000	4.00E-04
132	8.0753E-07	1.0383E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
133	8.0753E-07	5.7698E-07	1.05E-03	6.03E-10	2.00	1.57E-01	1.90E-10	1,000,000	1.90E-04
134	8.0753E-07	6.6451E-07	1.05E-03	6.95E-10	2.00	1.57E-01	2.18E-10	1,000,000	2.18E-04
135	8.0753E-07	7.6687E-07	1.05E-03	8.02E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
136	8.0753E-07	9.1699E-07	1.05E-03	9.58E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
137	8.0753E-07	1.1107E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.65E-10	1,000,000	3.65E-04
138	8.0753E-07	1.3259E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.36E-10	1,000,000	4.36E-04
139	8.0753E-07	1.6069E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
140	8.0753E-07	1.977E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.49E-10	1,000,000	6.49E-04
141	8.0753E-07	2.4614E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.09E-10	1,000,000	8.09E-04
142	8.0753E-07	3.0822E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
143	8.0753E-07	3.8249E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
144	8.0753E-07	4.6175E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
145	8.0753E-07	5.3209E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
146	8.0753E-07	5.662E-06	1.05E-03	5.92E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
147	8.0753E-07	5.3113E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
148	8.0753E-07	4.3716E-06	1.05E-03	4.57E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
149	8.0753E-07	3.4001E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
150	8.0753E-07	2.6211E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.61E-10	1,000,000	8.61E-04
151	8.0753E-07	2.058E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.0753E-07	1.6574E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.44E-10	1,000,000	5.44E-04
153	8.0753E-07	1.3612E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
154	8.0753E-07	1.1395E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
155	8.0753E-07	5.1917E-07	1.05E-03	5.43E-10	2.00	1.57E-01	1.71E-10	1,000,000	1.71E-04
156	8.0753E-07	6.1044E-07	1.05E-03	6.38E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
157	8.0753E-07	7.5751E-07	1.05E-03	7.92E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
158	8.0753E-07	8.9847E-07	1.05E-03	9.39E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
159	8.0753E-07	1.1227E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
160	8.0753E-07	1.3932E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.58E-10	1,000,000	4.58E-04
161	8.0753E-07	1.7519E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.75E-10	1,000,000	5.75E-04
162	8.0753E-07	2.2869E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.51E-10	1,000,000	7.51E-04
163	8.0753E-07	2.9937E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.83E-10	1,000,000	9.83E-04
164	8.0753E-07	4.0056E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
165	8.0753E-07	5.3831E-06	1.05E-03	5.63E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
166	8.0753E-07	7.0639E-06	1.05E-03	7.38E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
167	8.0753E-07	8.9084E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
168	8.0753E-07	1.0548E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
169	8.0753E-07	9.7893E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
170	8.0753E-07	6.7907E-06	1.05E-03	7.10E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
171	8.0753E-07	4.562E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
172	8.0753E-07	3.2508E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
173	8.0753E-07	2.4247E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.96E-10	1,000,000	7.96E-04
174	8.0753E-07	1.8854E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
175	8.0753E-07	1.5153E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
176	8.0753E-07	1.2469E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
177	8.0753E-07	4.988E-07	1.05E-03	5.21E-10	2.00	1.57E-01	1.64E-10	1,000,000	1.64E-04
178	8.0753E-07	5.9779E-07	1.05E-03	6.25E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
179	8.0753E-07	7.3456E-07	1.05E-03	7.68E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
180	8.0753E-07	9.1743E-07	1.05E-03	9.59E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
181	8.0753E-07	1.1442E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
182	8.0753E-07	1.4406E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.73E-10	1,000,000	4.73E-04
183	8.0753E-07	1.8689E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.14E-10	1,000,000	6.14E-04
184	8.0753E-07	3.099E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.0753E-07	1.1293E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
186	8.0753E-07	6.18E-06	1.05E-03	6.46E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
187	8.0753E-07	3.9812E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
188	8.0753E-07	2.8176E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.26E-10	1,000,000	9.26E-04
189	8.0753E-07	2.1232E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
190	8.0753E-07	1.6682E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
191	8.0753E-07	1.3513E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
192	8.0753E-07	4.6081E-07	1.05E-03	4.82E-10	2.00	1.57E-01	1.51E-10	1,000,000	1.51E-04
193	8.0753E-07	5.4818E-07	1.05E-03	5.73E-10	2.00	1.57E-01	1.80E-10	1,000,000	1.80E-04
194	8.0753E-07	6.7702E-07	1.05E-03	7.08E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
195	8.0753E-07	8.3802E-07	1.05E-03	8.76E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
196	8.0753E-07	1.0659E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.50E-10	1,000,000	3.50E-04
197	8.0753E-07	1.344E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.41E-10	1,000,000	4.41E-04
198	8.0753E-07	1.8334E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
199	8.0753E-07	6.5355E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
200	8.0753E-07	5.7553E-05	1.05E-03	6.02E-08	2.00	1.57E-01	1.89E-08	1,000,000	1.89E-02
201	8.0753E-07	1.5501E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.09E-09	1,000,000	5.09E-03
202	8.0753E-07	7.5274E-06	1.05E-03	7.87E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
203	8.0753E-07	4.6075E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
204	8.0753E-07	3.1604E-06	1.05E-03	3.30E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
205	8.0753E-07	2.3291E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.65E-10	1,000,000	7.65E-04
206	8.0753E-07	1.8014E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.92E-10	1,000,000	5.92E-04
207	8.0753E-07	1.444E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
208	8.0753E-07	4.2215E-07	1.05E-03	4.41E-10	2.00	1.57E-01	1.39E-10	1,000,000	1.39E-04
209	8.0753E-07	5.0004E-07	1.05E-03	5.23E-10	2.00	1.57E-01	1.64E-10	1,000,000	1.64E-04
210	8.0753E-07	5.8374E-07	1.05E-03	6.10E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
211	8.0753E-07	7.3483E-07	1.05E-03	7.68E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
212	8.0753E-07	9.1978E-07	1.05E-03	9.61E-10	2.00	1.57E-01	3.02E-10	1,000,000	3.02E-04
213	8.0753E-07	1.2104E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.98E-10	1,000,000	3.98E-04
214	8.0753E-07	1.6742E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
215	8.0753E-07	2.3757E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.80E-10	1,000,000	7.80E-04
216	8.0753E-07	3.9836E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
217	8.0753E-07	7.058E-06	1.05E-03	7.38E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.0753E-07	7.2582E-05	1.05E-03	7.59E-08	2.00	1.57E-01	2.38E-08	1,000,000	2.38E-02
219	8.0753E-07	2.9978E-05	1.05E-03	3.13E-08	2.00	1.57E-01	9.85E-09	1,000,000	9.85E-03
220	8.0753E-07	1.3492E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
221	8.0753E-07	7.4897E-06	1.05E-03	7.83E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
222	8.0753E-07	4.7479E-06	1.05E-03	4.96E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
223	8.0753E-07	3.2928E-06	1.05E-03	3.44E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
224	8.0753E-07	2.4303E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.98E-10	1,000,000	7.98E-04
225	8.0753E-07	1.8765E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.16E-10	1,000,000	6.16E-04
226	8.0753E-07	1.5001E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.93E-10	1,000,000	4.93E-04
227	8.0753E-07	3.8298E-07	1.05E-03	4.00E-10	2.00	1.57E-01	1.26E-10	1,000,000	1.26E-04
228	8.0753E-07	4.4599E-07	1.05E-03	4.66E-10	2.00	1.57E-01	1.47E-10	1,000,000	1.47E-04
229	8.0753E-07	5.2643E-07	1.05E-03	5.50E-10	2.00	1.57E-01	1.73E-10	1,000,000	1.73E-04
230	8.0753E-07	6.4118E-07	1.05E-03	6.70E-10	2.00	1.57E-01	2.11E-10	1,000,000	2.11E-04
231	8.0753E-07	8.0267E-07	1.05E-03	8.39E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
232	8.0753E-07	1.0111E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
233	8.0753E-07	1.4349E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
234	8.0753E-07	2.0446E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.72E-10	1,000,000	6.72E-04
235	8.0753E-07	3.1426E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
236	8.0753E-07	5.5026E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
237	8.0753E-07	1.0907E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.58E-09	1,000,000	3.58E-03
238	8.0753E-07	2.0483E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.73E-09	1,000,000	6.73E-03
239	8.0753E-07	2.591E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.51E-09	1,000,000	8.51E-03
240	8.0753E-07	2.2621E-05	1.05E-03	2.36E-08	2.00	1.57E-01	7.43E-09	1,000,000	7.43E-03
241	8.0753E-07	1.504E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
242	8.0753E-07	9.393E-06	1.05E-03	9.82E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
243	8.0753E-07	6.2081E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
244	8.0753E-07	4.3001E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
245	8.0753E-07	3.1292E-06	1.05E-03	3.27E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
246	8.0753E-07	2.3731E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.80E-10	1,000,000	7.80E-04
247	8.0753E-07	1.8617E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.12E-10	1,000,000	6.12E-04
248	8.0753E-07	1.502E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.93E-10	1,000,000	4.93E-04
249	8.0753E-07	3.4838E-07	1.05E-03	3.64E-10	2.00	1.57E-01	1.14E-10	1,000,000	1.14E-04
250	8.0753E-07	4.0043E-07	1.05E-03	4.19E-10	2.00	1.57E-01	1.32E-10	1,000,000	1.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.0753E-07	4.6624E-07	1.05E-03	4.87E-10	2.00	1.57E-01	1.53E-10	1,000,000	1.53E-04
252	8.0753E-07	5.6586E-07	1.05E-03	5.91E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
253	8.0753E-07	6.9351E-07	1.05E-03	7.25E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
254	8.0753E-07	9.0877E-07	1.05E-03	9.50E-10	2.00	1.57E-01	2.99E-10	1,000,000	2.99E-04
255	8.0753E-07	1.1861E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
256	8.0753E-07	1.716E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04
257	8.0753E-07	2.4221E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.96E-10	1,000,000	7.96E-04
258	8.0753E-07	3.5931E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
259	8.0753E-07	5.6523E-06	1.05E-03	5.91E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
260	8.0753E-07	8.4849E-06	1.05E-03	8.87E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
261	8.0753E-07	1.016E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
262	8.0753E-07	9.7151E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03
263	8.0753E-07	7.9077E-06	1.05E-03	8.27E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
264	8.0753E-07	6.0961E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
265	8.0753E-07	4.6999E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
266	8.0753E-07	3.5639E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
267	8.0753E-07	2.7547E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.05E-10	1,000,000	9.05E-04
268	8.0753E-07	2.1762E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.15E-10	1,000,000	7.15E-04
269	8.0753E-07	1.7552E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.77E-10	1,000,000	5.77E-04
270	8.0753E-07	1.4429E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
271	8.0753E-07	3.1036E-07	1.05E-03	3.24E-10	2.00	1.57E-01	1.02E-10	1,000,000	1.02E-04
272	8.0753E-07	3.536E-07	1.05E-03	3.70E-10	2.00	1.57E-01	1.16E-10	1,000,000	1.16E-04
273	8.0753E-07	4.1327E-07	1.05E-03	4.32E-10	2.00	1.57E-01	1.36E-10	1,000,000	1.36E-04
274	8.0753E-07	4.9047E-07	1.05E-03	5.13E-10	2.00	1.57E-01	1.61E-10	1,000,000	1.61E-04
275	8.0753E-07	5.9561E-07	1.05E-03	6.23E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
276	8.0753E-07	7.5429E-07	1.05E-03	7.88E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
277	8.0753E-07	9.7258E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.19E-10	1,000,000	3.19E-04
278	8.0753E-07	1.2679E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.16E-10	1,000,000	4.16E-04
279	8.0753E-07	1.7439E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
280	8.0753E-07	2.4379E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.01E-10	1,000,000	8.01E-04
281	8.0753E-07	3.414E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
282	8.0753E-07	4.5237E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
283	8.0753E-07	5.2386E-06	1.05E-03	5.48E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.0753E-07	4.8219E-06	1.05E-03	5.04E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
285	8.0753E-07	4.5495E-06	1.05E-03	4.76E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
286	8.0753E-07	3.9638E-06	1.05E-03	4.14E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
287	8.0753E-07	3.3443E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
288	8.0753E-07	2.7958E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
289	8.0753E-07	2.3268E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.64E-10	1,000,000	7.64E-04
290	8.0753E-07	1.9091E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.27E-10	1,000,000	6.27E-04
291	8.0753E-07	1.5889E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.22E-10	1,000,000	5.22E-04
292	8.0753E-07	1.3376E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
293	8.0753E-07	2.7904E-07	1.05E-03	2.92E-10	2.00	1.57E-01	9.17E-11	1,000,000	9.17E-05
294	8.0753E-07	3.1817E-07	1.05E-03	3.33E-10	2.00	1.57E-01	1.05E-10	1,000,000	1.05E-04
295	8.0753E-07	3.6686E-07	1.05E-03	3.83E-10	2.00	1.57E-01	1.21E-10	1,000,000	1.21E-04
296	8.0753E-07	4.2605E-07	1.05E-03	4.45E-10	2.00	1.57E-01	1.40E-10	1,000,000	1.40E-04
297	8.0753E-07	5.1547E-07	1.05E-03	5.39E-10	2.00	1.57E-01	1.69E-10	1,000,000	1.69E-04
298	8.0753E-07	6.2898E-07	1.05E-03	6.57E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
299	8.0753E-07	7.8441E-07	1.05E-03	8.20E-10	2.00	1.57E-01	2.58E-10	1,000,000	2.58E-04
300	8.0753E-07	1.0194E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
301	8.0753E-07	1.2705E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
302	8.0753E-07	1.6982E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.58E-10	1,000,000	5.58E-04
303	8.0753E-07	2.2102E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.26E-10	1,000,000	7.26E-04
304	8.0753E-07	2.7751E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
305	8.0753E-07	3.0546E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
306	8.0753E-07	2.9612E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
307	8.0753E-07	2.8278E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.29E-10	1,000,000	9.29E-04
308	8.0753E-07	2.5955E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.53E-10	1,000,000	8.53E-04
309	8.0753E-07	2.4838E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.16E-10	1,000,000	8.16E-04
310	8.0753E-07	2.1634E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.11E-10	1,000,000	7.11E-04
311	8.0753E-07	1.8909E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
312	8.0753E-07	1.6369E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
313	8.0753E-07	1.4136E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.64E-10	1,000,000	4.64E-04
314	8.0753E-07	1.2276E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
315	8.0753E-07	2.4708E-07	1.05E-03	2.58E-10	2.00	1.57E-01	8.12E-11	1,000,000	8.12E-05
316	8.0753E-07	2.8124E-07	1.05E-03	2.94E-10	2.00	1.57E-01	9.24E-11	1,000,000	9.24E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.0753E-07	3.2151E-07	1.05E-03	3.36E-10	2.00	1.57E-01	1.06E-10	1,000,000	1.06E-04
318	8.0753E-07	3.6973E-07	1.05E-03	3.86E-10	2.00	1.57E-01	1.21E-10	1,000,000	1.21E-04
319	8.0753E-07	4.2682E-07	1.05E-03	4.46E-10	2.00	1.57E-01	1.40E-10	1,000,000	1.40E-04
320	8.0753E-07	5.2938E-07	1.05E-03	5.53E-10	2.00	1.57E-01	1.74E-10	1,000,000	1.74E-04
321	8.0753E-07	6.3231E-07	1.05E-03	6.61E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
322	8.0753E-07	7.7802E-07	1.05E-03	8.13E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
323	8.0753E-07	9.8525E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
324	8.0753E-07	1.2256E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
325	8.0753E-07	1.5126E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
326	8.0753E-07	1.8327E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
327	8.0753E-07	2.3214E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.63E-10	1,000,000	7.63E-04
328	8.0753E-07	1.942E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.38E-10	1,000,000	6.38E-04
329	8.0753E-07	1.8822E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.18E-10	1,000,000	6.18E-04
330	8.0753E-07	1.8278E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
331	8.0753E-07	1.7546E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
332	8.0753E-07	1.6579E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
333	8.0753E-07	1.5138E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
334	8.0753E-07	1.3737E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
335	8.0753E-07	1.2233E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.02E-10	1,000,000	4.02E-04
336	8.0753E-07	1.0884E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
337	8.0753E-07	2.2438E-07	1.05E-03	2.35E-10	2.00	1.57E-01	7.37E-11	1,000,000	7.37E-05
338	8.0753E-07	2.5158E-07	1.05E-03	2.63E-10	2.00	1.57E-01	8.26E-11	1,000,000	8.26E-05
339	8.0753E-07	2.8099E-07	1.05E-03	2.94E-10	2.00	1.57E-01	9.23E-11	1,000,000	9.23E-05
340	8.0753E-07	3.2403E-07	1.05E-03	3.39E-10	2.00	1.57E-01	1.06E-10	1,000,000	1.06E-04
341	8.0753E-07	3.688E-07	1.05E-03	3.85E-10	2.00	1.57E-01	1.21E-10	1,000,000	1.21E-04
342	8.0753E-07	4.4486E-07	1.05E-03	4.65E-10	2.00	1.57E-01	1.46E-10	1,000,000	1.46E-04
343	8.0753E-07	5.1577E-07	1.05E-03	5.39E-10	2.00	1.57E-01	1.69E-10	1,000,000	1.69E-04
344	8.0753E-07	6.2058E-07	1.05E-03	6.49E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04
345	8.0753E-07	7.5112E-07	1.05E-03	7.85E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
346	8.0753E-07	9.2554E-07	1.05E-03	9.67E-10	2.00	1.57E-01	3.04E-10	1,000,000	3.04E-04
347	8.0753E-07	1.0808E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
348	8.0753E-07	1.2494E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
349	8.0753E-07	1.2287E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.0753E-07	1.2772E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.20E-10	1,000,000	4.20E-04
351	8.0753E-07	1.298E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
352	8.0753E-07	1.2371E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
353	8.0753E-07	1.2753E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
354	8.0753E-07	1.2197E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.01E-10	1,000,000	4.01E-04
355	8.0753E-07	1.1832E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.89E-10	1,000,000	3.89E-04
356	8.0753E-07	1.1278E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
357	8.0753E-07	1.0471E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
358	8.0753E-07	9.701E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.19E-10	1,000,000	3.19E-04
359	8.0753E-07	1.9958E-07	1.05E-03	2.09E-10	2.00	1.57E-01	6.56E-11	1,000,000	6.56E-05
360	8.0753E-07	2.2326E-07	1.05E-03	2.33E-10	2.00	1.57E-01	7.33E-11	1,000,000	7.33E-05
361	8.0753E-07	2.4895E-07	1.05E-03	2.60E-10	2.00	1.57E-01	8.18E-11	1,000,000	8.18E-05
362	8.0753E-07	2.7944E-07	1.05E-03	2.92E-10	2.00	1.57E-01	9.18E-11	1,000,000	9.18E-05
363	8.0753E-07	3.1313E-07	1.05E-03	3.27E-10	2.00	1.57E-01	1.03E-10	1,000,000	1.03E-04
364	8.0753E-07	3.6456E-07	1.05E-03	3.81E-10	2.00	1.57E-01	1.20E-10	1,000,000	1.20E-04
365	8.0753E-07	4.258E-07	1.05E-03	4.45E-10	2.00	1.57E-01	1.40E-10	1,000,000	1.40E-04
366	8.0753E-07	5.0323E-07	1.05E-03	5.26E-10	2.00	1.57E-01	1.65E-10	1,000,000	1.65E-04
367	8.0753E-07	6.0669E-07	1.05E-03	6.34E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
368	8.0753E-07	7.0542E-07	1.05E-03	7.37E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
369	8.0753E-07	7.8887E-07	1.05E-03	8.25E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04
370	8.0753E-07	8.4478E-07	1.05E-03	8.83E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
371	8.0753E-07	9.1029E-07	1.05E-03	9.51E-10	2.00	1.57E-01	2.99E-10	1,000,000	2.99E-04
372	8.0753E-07	9.4146E-07	1.05E-03	9.84E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
373	8.0753E-07	9.2559E-07	1.05E-03	9.67E-10	2.00	1.57E-01	3.04E-10	1,000,000	3.04E-04
374	8.0753E-07	8.9628E-07	1.05E-03	9.37E-10	2.00	1.57E-01	2.94E-10	1,000,000	2.94E-04
375	8.0753E-07	9.2264E-07	1.05E-03	9.64E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
376	8.0753E-07	9.0352E-07	1.05E-03	9.44E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
377	8.0753E-07	8.9873E-07	1.05E-03	9.39E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
378	8.0753E-07	9.1568E-07	1.05E-03	9.57E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
379	8.0753E-07	8.8105E-07	1.05E-03	9.21E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
380	8.0753E-07	8.2133E-07	1.05E-03	8.58E-10	2.00	1.57E-01	2.70E-10	1,000,000	2.70E-04
381	8.0753E-07	6.1217E-07	1.05E-03	6.40E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
382	8.0753E-07	6.8274E-07	1.05E-03	7.14E-10	2.00	1.57E-01	2.24E-10	1,000,000	2.24E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.0753E-07	7.6411E-07	1.05E-03	7.99E-10	2.00	1.57E-01	2.51E-10	1,000,000	2.51E-04
384	8.0753E-07	8.5748E-07	1.05E-03	8.96E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
385	8.0753E-07	9.6372E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
386	8.0753E-07	1.082E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
387	8.0753E-07	1.2097E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
388	8.0753E-07	1.343E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.41E-10	1,000,000	4.41E-04
389	8.0753E-07	1.4727E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.84E-10	1,000,000	4.84E-04
390	8.0753E-07	1.5866E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
391	8.0753E-07	1.6692E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
392	8.0753E-07	1.7064E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
393	8.0753E-07	1.6886E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
394	8.0753E-07	1.6197E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.32E-10	1,000,000	5.32E-04
395	8.0753E-07	1.5053E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04
396	8.0753E-07	1.3689E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
397	8.0753E-07	1.2269E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
398	8.0753E-07	1.0898E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
399	8.0753E-07	6.5545E-07	1.05E-03	6.85E-10	2.00	1.57E-01	2.15E-10	1,000,000	2.15E-04
400	8.0753E-07	7.3857E-07	1.05E-03	7.72E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
401	8.0753E-07	8.3685E-07	1.05E-03	8.75E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
402	8.0753E-07	9.5293E-07	1.05E-03	9.96E-10	2.00	1.57E-01	3.13E-10	1,000,000	3.13E-04
403	8.0753E-07	1.0891E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
404	8.0753E-07	1.2463E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
405	8.0753E-07	1.4247E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
406	8.0753E-07	1.6197E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.32E-10	1,000,000	5.32E-04
407	8.0753E-07	1.8196E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.98E-10	1,000,000	5.98E-04
408	8.0753E-07	2.0064E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.59E-10	1,000,000	6.59E-04
409	8.0753E-07	2.1488E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.06E-10	1,000,000	7.06E-04
410	8.0753E-07	2.2152E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
411	8.0753E-07	2.1914E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.20E-10	1,000,000	7.20E-04
412	8.0753E-07	2.0765E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
413	8.0753E-07	1.8886E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.20E-10	1,000,000	6.20E-04
414	8.0753E-07	1.6727E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
415	8.0753E-07	1.4577E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.79E-10	1,000,000	4.79E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.0753E-07	1.2589E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
417	8.0753E-07	6.9483E-07	1.05E-03	7.26E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
418	8.0753E-07	7.9463E-07	1.05E-03	8.31E-10	2.00	1.57E-01	2.61E-10	1,000,000	2.61E-04
419	8.0753E-07	9.1195E-07	1.05E-03	9.53E-10	2.00	1.57E-01	3.00E-10	1,000,000	3.00E-04
420	8.0753E-07	1.0549E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
421	8.0753E-07	1.2291E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
422	8.0753E-07	1.4406E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.73E-10	1,000,000	4.73E-04
423	8.0753E-07	1.6933E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.56E-10	1,000,000	5.56E-04
424	8.0753E-07	1.9853E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.52E-10	1,000,000	6.52E-04
425	8.0753E-07	2.3022E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
426	8.0753E-07	2.6193E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.60E-10	1,000,000	8.60E-04
427	8.0753E-07	2.8787E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.46E-10	1,000,000	9.46E-04
428	8.0753E-07	3.0233E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.93E-10	1,000,000	9.93E-04
429	8.0753E-07	2.9912E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.83E-10	1,000,000	9.83E-04
430	8.0753E-07	2.7731E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.11E-10	1,000,000	9.11E-04
431	8.0753E-07	2.4392E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.01E-10	1,000,000	8.01E-04
432	8.0753E-07	2.0782E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.83E-10	1,000,000	6.83E-04
433	8.0753E-07	1.7537E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
434	8.0753E-07	1.4706E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
435	8.0753E-07	7.0974E-07	1.05E-03	7.42E-10	2.00	1.57E-01	2.33E-10	1,000,000	2.33E-04
436	8.0753E-07	8.2608E-07	1.05E-03	8.63E-10	2.00	1.57E-01	2.71E-10	1,000,000	2.71E-04
437	8.0753E-07	9.7733E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
438	8.0753E-07	1.1598E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
439	8.0753E-07	1.38E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.53E-10	1,000,000	4.53E-04
440	8.0753E-07	1.6611E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.46E-10	1,000,000	5.46E-04
441	8.0753E-07	2.0186E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.63E-10	1,000,000	6.63E-04
442	8.0753E-07	2.4635E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.09E-10	1,000,000	8.09E-04
443	8.0753E-07	2.9906E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.82E-10	1,000,000	9.82E-04
444	8.0753E-07	3.5599E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
445	8.0753E-07	4.0857E-06	1.05E-03	4.27E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
446	8.0753E-07	4.4304E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
447	8.0753E-07	4.4082E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
448	8.0753E-07	3.9454E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.0753E-07	3.2786E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
450	8.0753E-07	2.6385E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.67E-10	1,000,000	8.67E-04
451	8.0753E-07	2.1045E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.91E-10	1,000,000	6.91E-04
452	8.0753E-07	1.7092E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
453	8.0753E-07	6.9794E-07	1.05E-03	7.29E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
454	8.0753E-07	8.3572E-07	1.05E-03	8.74E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
455	8.0753E-07	1.018E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.34E-10	1,000,000	3.34E-04
456	8.0753E-07	1.2399E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.07E-10	1,000,000	4.07E-04
457	8.0753E-07	1.5326E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.03E-10	1,000,000	5.03E-04
458	8.0753E-07	1.8995E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.24E-10	1,000,000	6.24E-04
459	8.0753E-07	2.4011E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.89E-10	1,000,000	7.89E-04
460	8.0753E-07	3.0847E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
461	8.0753E-07	3.9842E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
462	8.0753E-07	5.0754E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
463	8.0753E-07	6.2424E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
464	8.0753E-07	7.241E-06	1.05E-03	7.57E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
465	8.0753E-07	7.423E-06	1.05E-03	7.76E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
466	8.0753E-07	6.2206E-06	1.05E-03	6.50E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
467	8.0753E-07	4.6099E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
468	8.0753E-07	3.3777E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
469	8.0753E-07	2.5451E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
470	8.0753E-07	1.9814E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.51E-10	1,000,000	6.51E-04
471	8.0753E-07	6.5663E-07	1.05E-03	6.86E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
472	8.0753E-07	8.168E-07	1.05E-03	8.54E-10	2.00	1.57E-01	2.68E-10	1,000,000	2.68E-04
473	8.0753E-07	1.0086E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
474	8.0753E-07	1.2592E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
475	8.0753E-07	1.5818E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
476	8.0753E-07	1.1685E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.84E-09	1,000,000	3.84E-03
477	8.0753E-07	6.6861E-06	1.05E-03	6.99E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
478	8.0753E-07	4.3499E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
479	8.0753E-07	3.06E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
480	8.0753E-07	2.2794E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.49E-10	1,000,000	7.49E-04
481	8.0753E-07	6.234E-07	1.05E-03	6.52E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.0753E-07	7.7407E-07	1.05E-03	8.09E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
483	8.0753E-07	9.3956E-07	1.05E-03	9.82E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
484	8.0753E-07	1.1808E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
485	8.0753E-07	1.6093E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.29E-10	1,000,000	5.29E-04
486	8.0753E-07	2.4538E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.06E-09	1,000,000	8.06E-03
487	8.0753E-07	9.5119E-06	1.05E-03	9.94E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
488	8.0753E-07	5.3908E-06	1.05E-03	5.63E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
489	8.0753E-07	3.5754E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
490	8.0753E-07	2.5748E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.46E-10	1,000,000	8.46E-04
491	8.0753E-07	5.6851E-07	1.05E-03	5.94E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
492	8.0753E-07	7.0142E-07	1.05E-03	7.33E-10	2.00	1.57E-01	2.30E-10	1,000,000	2.30E-04
493	8.0753E-07	8.5504E-07	1.05E-03	8.94E-10	2.00	1.57E-01	2.81E-10	1,000,000	2.81E-04
494	8.0753E-07	1.0969E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.60E-10	1,000,000	3.60E-04
495	8.0753E-07	1.4747E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.84E-10	1,000,000	4.84E-04
496	8.0753E-07	5.2303E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
497	8.0753E-07	1.016E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
498	8.0753E-07	9.0823E-05	1.05E-03	9.49E-08	2.00	1.57E-01	2.98E-08	1,000,000	2.98E-02
499	8.0753E-07	2.363E-05	1.05E-03	2.47E-08	2.00	1.57E-01	7.76E-09	1,000,000	7.76E-03
500	8.0753E-07	1.0464E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
501	8.0753E-07	5.9632E-06	1.05E-03	6.23E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
502	8.0753E-07	3.8987E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
503	8.0753E-07	2.7763E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
504	8.0753E-07	5.1283E-07	1.05E-03	5.36E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
505	8.0753E-07	6.0645E-07	1.05E-03	6.34E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
506	8.0753E-07	7.7673E-07	1.05E-03	8.12E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
507	8.0753E-07	9.6288E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
508	8.0753E-07	1.3358E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
509	8.0753E-07	1.8424E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
510	8.0753E-07	2.7118E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.91E-10	1,000,000	8.91E-04
511	8.0753E-07	4.5937E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
512	8.0753E-07	9.4154E-06	1.05E-03	9.84E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
513	8.0753E-07	2.7545E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.05E-09	1,000,000	9.05E-03
514	8.0753E-07	5.1499E-05	1.05E-03	5.38E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.0753E-07	5.2587E-05	1.05E-03	5.50E-08	2.00	1.57E-01	1.73E-08	1,000,000	1.73E-02
516	8.0753E-07	3.011E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.89E-09	1,000,000	9.89E-03
517	8.0753E-07	1.5368E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.05E-09	1,000,000	5.05E-03
518	8.0753E-07	8.8083E-06	1.05E-03	9.21E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
519	8.0753E-07	5.5826E-06	1.05E-03	5.83E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
520	8.0753E-07	3.8276E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
521	8.0753E-07	2.7876E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.16E-10	1,000,000	9.16E-04
522	8.0753E-07	4.5545E-07	1.05E-03	4.76E-10	2.00	1.57E-01	1.50E-10	1,000,000	1.50E-04
523	8.0753E-07	5.52E-07	1.05E-03	5.77E-10	2.00	1.57E-01	1.81E-10	1,000,000	1.81E-04
524	8.0753E-07	6.7985E-07	1.05E-03	7.11E-10	2.00	1.57E-01	2.23E-10	1,000,000	2.23E-04
525	8.0753E-07	8.4985E-07	1.05E-03	8.88E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
526	8.0753E-07	1.0627E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
527	8.0753E-07	1.5594E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
528	8.0753E-07	2.2464E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.38E-10	1,000,000	7.38E-04
529	8.0753E-07	3.4602E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
530	8.0753E-07	5.9126E-06	1.05E-03	6.18E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
531	8.0753E-07	1.011E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.32E-09	1,000,000	3.32E-03
532	8.0753E-07	1.4314E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
533	8.0753E-07	1.5327E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.03E-09	1,000,000	5.03E-03
534	8.0753E-07	1.2529E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.12E-09	1,000,000	4.12E-03
535	8.0753E-07	9.1138E-06	1.05E-03	9.53E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
536	8.0753E-07	6.4492E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
537	8.0753E-07	4.6113E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
538	8.0753E-07	3.4025E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
539	8.0753E-07	2.5923E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
540	8.0753E-07	4.0543E-07	1.05E-03	4.24E-10	2.00	1.57E-01	1.33E-10	1,000,000	1.33E-04
541	8.0753E-07	4.8565E-07	1.05E-03	5.08E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
542	8.0753E-07	5.8919E-07	1.05E-03	6.16E-10	2.00	1.57E-01	1.94E-10	1,000,000	1.94E-04
543	8.0753E-07	7.2974E-07	1.05E-03	7.63E-10	2.00	1.57E-01	2.40E-10	1,000,000	2.40E-04
544	8.0753E-07	9.5445E-07	1.05E-03	9.98E-10	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
545	8.0753E-07	1.2392E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.07E-10	1,000,000	4.07E-04
546	8.0753E-07	1.7323E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.69E-10	1,000,000	5.69E-04
547	8.0753E-07	2.4577E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.07E-10	1,000,000	8.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.0753E-07	3.6542E-06	1.05E-03	3.82E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
549	8.0753E-07	5.1197E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
550	8.0753E-07	6.8214E-06	1.05E-03	7.13E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
551	8.0753E-07	7.6081E-06	1.05E-03	7.95E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
552	8.0753E-07	6.5658E-06	1.05E-03	6.86E-09	2.00	1.57E-01	2.16E-09	1,000,000	2.16E-03
553	8.0753E-07	5.436E-06	1.05E-03	5.68E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
554	8.0753E-07	4.3811E-06	1.05E-03	4.58E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
555	8.0753E-07	3.5931E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
556	8.0753E-07	2.8399E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.33E-10	1,000,000	9.33E-04
557	8.0753E-07	2.2741E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.47E-10	1,000,000	7.47E-04
558	8.0753E-07	3.625E-07	1.05E-03	3.79E-10	2.00	1.57E-01	1.19E-10	1,000,000	1.19E-04
559	8.0753E-07	4.3062E-07	1.05E-03	4.50E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
560	8.0753E-07	5.0457E-07	1.05E-03	5.27E-10	2.00	1.57E-01	1.66E-10	1,000,000	1.66E-04
561	8.0753E-07	6.1939E-07	1.05E-03	6.47E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
562	8.0753E-07	7.5672E-07	1.05E-03	7.91E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
563	8.0753E-07	9.6351E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
564	8.0753E-07	1.3058E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.29E-10	1,000,000	4.29E-04
565	8.0753E-07	1.719E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.65E-10	1,000,000	5.65E-04
566	8.0753E-07	2.3931E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.86E-10	1,000,000	7.86E-04
567	8.0753E-07	3.092E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
568	8.0753E-07	3.8447E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
569	8.0753E-07	3.7837E-06	1.05E-03	3.95E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
570	8.0753E-07	3.5892E-06	1.05E-03	3.75E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
571	8.0753E-07	3.3951E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
572	8.0753E-07	3.1001E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
573	8.0753E-07	2.6634E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.75E-10	1,000,000	8.75E-04
574	8.0753E-07	2.2752E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.47E-10	1,000,000	7.47E-04
575	8.0753E-07	1.9335E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.0753E-07	4.4804E-07	6.05E-04	2.71E-10	14.00	4.71E-02	1.79E-10	1,000,000	1.8E-04
2	8.0753E-07	4.8734E-07	6.05E-04	2.95E-10	14.00	4.71E-02	1.95E-10	1,000,000	1.95E-04
3	8.0753E-07	5.3079E-07	6.05E-04	3.21E-10	14.00	4.71E-02	2.12E-10	1,000,000	2.12E-04
4	8.0753E-07	5.7835E-07	6.05E-04	3.50E-10	14.00	4.71E-02	2.31E-10	1,000,000	2.31E-04
5	8.0753E-07	6.3024E-07	6.05E-04	3.81E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
6	8.0753E-07	6.8602E-07	6.05E-04	4.15E-10	14.00	4.71E-02	2.74E-10	1,000,000	2.74E-04
7	8.0753E-07	7.4421E-07	6.05E-04	4.50E-10	14.00	4.71E-02	2.97E-10	1,000,000	2.97E-04
8	8.0753E-07	8.036E-07	6.05E-04	4.86E-10	14.00	4.71E-02	3.21E-10	1,000,000	3.21E-04
9	8.0753E-07	8.6238E-07	6.05E-04	5.22E-10	14.00	4.71E-02	3.44E-10	1,000,000	3.44E-04
10	8.0753E-07	9.1667E-07	6.05E-04	5.55E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
11	8.0753E-07	9.6284E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
12	8.0753E-07	9.9726E-07	6.05E-04	6.03E-10	14.00	4.71E-02	3.98E-10	1,000,000	3.98E-04
13	8.0753E-07	1.0164E-06	6.05E-04	6.15E-10	14.00	4.71E-02	4.06E-10	1,000,000	4.06E-04
14	8.0753E-07	1.0179E-06	6.05E-04	6.16E-10	14.00	4.71E-02	4.06E-10	1,000,000	4.06E-04
15	8.0753E-07	1.0013E-06	6.05E-04	6.06E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
16	8.0753E-07	9.6722E-07	6.05E-04	5.85E-10	14.00	4.71E-02	3.86E-10	1,000,000	3.86E-04
17	8.0753E-07	9.2149E-07	6.05E-04	5.58E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
18	8.0753E-07	8.6622E-07	6.05E-04	5.24E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
19	8.0753E-07	8.0505E-07	6.05E-04	4.87E-10	14.00	4.71E-02	3.21E-10	1,000,000	3.21E-04
20	8.0753E-07	7.4436E-07	6.05E-04	4.50E-10	14.00	4.71E-02	2.97E-10	1,000,000	2.97E-04
21	8.0753E-07	6.8458E-07	6.05E-04	4.14E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.73E-04
22	8.0753E-07	6.2698E-07	6.05E-04	3.79E-10	14.00	4.71E-02	2.50E-10	1,000,000	2.50E-04
23	8.0753E-07	4.7782E-07	6.05E-04	2.89E-10	14.00	4.71E-02	1.91E-10	1,000,000	1.91E-04
24	8.0753E-07	5.2357E-07	6.05E-04	3.17E-10	14.00	4.71E-02	2.09E-10	1,000,000	2.09E-04
25	8.0753E-07	5.7495E-07	6.05E-04	3.48E-10	14.00	4.71E-02	2.30E-10	1,000,000	2.30E-04
26	8.0753E-07	6.3245E-07	6.05E-04	3.83E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.0753E-07	6.9621E-07	6.05E-04	4.21E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04
28	8.0753E-07	7.6665E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
29	8.0753E-07	8.4178E-07	6.05E-04	5.09E-10	14.00	4.71E-02	3.36E-10	1,000,000	3.36E-04
30	8.0753E-07	9.2127E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
31	8.0753E-07	1.001E-06	6.05E-04	6.06E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
32	8.0753E-07	1.077E-06	6.05E-04	6.52E-10	14.00	4.71E-02	4.30E-10	1,000,000	4.30E-04
33	8.0753E-07	1.1429E-06	6.05E-04	6.92E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
34	8.0753E-07	1.1947E-06	6.05E-04	7.23E-10	14.00	4.71E-02	4.77E-10	1,000,000	4.77E-04
35	8.0753E-07	1.2249E-06	6.05E-04	7.41E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
36	8.0753E-07	1.2294E-06	6.05E-04	7.44E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04
37	8.0753E-07	1.2025E-06	6.05E-04	7.28E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
38	8.0753E-07	1.1534E-06	6.05E-04	6.98E-10	14.00	4.71E-02	4.61E-10	1,000,000	4.61E-04
39	8.0753E-07	1.0883E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
40	8.0753E-07	1.0101E-06	6.05E-04	6.11E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
41	8.0753E-07	9.26E-07	6.05E-04	5.60E-10	14.00	4.71E-02	3.70E-10	1,000,000	3.70E-04
42	8.0753E-07	8.4252E-07	6.05E-04	5.10E-10	14.00	4.71E-02	3.36E-10	1,000,000	3.36E-04
43	8.0753E-07	7.6321E-07	6.05E-04	4.62E-10	14.00	4.71E-02	3.05E-10	1,000,000	3.05E-04
44	8.0753E-07	6.9421E-07	6.05E-04	4.20E-10	14.00	4.71E-02	2.77E-10	1,000,000	2.77E-04
45	8.0753E-07	5.0833E-07	6.05E-04	3.08E-10	14.00	4.71E-02	2.03E-10	1,000,000	2.03E-04
46	8.0753E-07	5.6129E-07	6.05E-04	3.40E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
47	8.0753E-07	6.2192E-07	6.05E-04	3.76E-10	14.00	4.71E-02	2.48E-10	1,000,000	2.48E-04
48	8.0753E-07	6.9117E-07	6.05E-04	4.18E-10	14.00	4.71E-02	2.76E-10	1,000,000	2.76E-04
49	8.0753E-07	7.698E-07	6.05E-04	4.66E-10	14.00	4.71E-02	3.07E-10	1,000,000	3.07E-04
50	8.0753E-07	8.5837E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
51	8.0753E-07	9.5665E-07	6.05E-04	5.79E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
52	8.0753E-07	1.063E-06	6.05E-04	6.43E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.0753E-07	1.1744E-06	6.05E-04	7.11E-10	14.00	4.71E-02	4.69E-10	1,000,000	4.69E-04
54	8.0753E-07	1.2833E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
55	8.0753E-07	1.3823E-06	6.05E-04	8.36E-10	14.00	4.71E-02	5.52E-10	1,000,000	5.52E-04
56	8.0753E-07	1.4614E-06	6.05E-04	8.84E-10	14.00	4.71E-02	5.84E-10	1,000,000	5.84E-04
57	8.0753E-07	1.5089E-06	6.05E-04	9.13E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
58	8.0753E-07	1.52E-06	6.05E-04	9.20E-10	14.00	4.71E-02	6.07E-10	1,000,000	6.07E-04
59	8.0753E-07	1.4796E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
60	8.0753E-07	1.4044E-06	6.05E-04	8.50E-10	14.00	4.71E-02	5.61E-10	1,000,000	5.61E-04
61	8.0753E-07	1.3063E-06	6.05E-04	7.90E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
62	8.0753E-07	1.191E-06	6.05E-04	7.21E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
63	8.0753E-07	1.0731E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.29E-10	1,000,000	4.29E-04
64	8.0753E-07	9.6116E-07	6.05E-04	5.82E-10	14.00	4.71E-02	3.84E-10	1,000,000	3.84E-04
65	8.0753E-07	8.5959E-07	6.05E-04	5.20E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
66	8.0753E-07	7.692E-07	6.05E-04	4.65E-10	14.00	4.71E-02	3.07E-10	1,000,000	3.07E-04
67	8.0753E-07	5.3881E-07	6.05E-04	3.26E-10	14.00	4.71E-02	2.15E-10	1,000,000	2.15E-04
68	8.0753E-07	5.9968E-07	6.05E-04	3.63E-10	14.00	4.71E-02	2.39E-10	1,000,000	2.39E-04
69	8.0753E-07	6.7066E-07	6.05E-04	4.06E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
70	8.0753E-07	7.535E-07	6.05E-04	4.56E-10	14.00	4.71E-02	3.01E-10	1,000,000	3.01E-04
71	8.0753E-07	8.5015E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
72	8.0753E-07	9.6225E-07	6.05E-04	5.82E-10	14.00	4.71E-02	3.84E-10	1,000,000	3.84E-04
73	8.0753E-07	1.091E-06	6.05E-04	6.60E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
74	8.0753E-07	1.235E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
75	8.0753E-07	1.3919E-06	6.05E-04	8.42E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
76	8.0753E-07	1.5542E-06	6.05E-04	9.40E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
77	8.0753E-07	1.7092E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
78	8.0753E-07	1.84E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.35E-10	1,000,000	7.35E-04
79	8.0753E-07	1.9197E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.67E-10	1,000,000	7.67E-04
80	8.0753E-07	1.9347E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.73E-10	1,000,000	7.73E-04
81	8.0753E-07	1.8766E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.49E-10	1,000,000	7.49E-04
82	8.0753E-07	1.7602E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.03E-10	1,000,000	7.03E-04
83	8.0753E-07	1.5985E-06	6.05E-04	9.67E-10	14.00	4.71E-02	6.38E-10	1,000,000	6.38E-04
84	8.0753E-07	1.4252E-06	6.05E-04	8.62E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
85	8.0753E-07	1.2489E-06	6.05E-04	7.56E-10	14.00	4.71E-02	4.99E-10	1,000,000	4.99E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.0753E-07	1.1003E-06	6.05E-04	6.66E-10	14.00	4.71E-02	4.39E-10	1,000,000	4.39E-04
87	8.0753E-07	9.6591E-07	6.05E-04	5.84E-10	14.00	4.71E-02	3.86E-10	1,000,000	3.86E-04
88	8.0753E-07	8.5183E-07	6.05E-04	5.15E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
89	8.0753E-07	5.6834E-07	6.05E-04	3.44E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
90	8.0753E-07	6.376E-07	6.05E-04	3.86E-10	14.00	4.71E-02	2.55E-10	1,000,000	2.55E-04
91	8.0753E-07	7.1982E-07	6.05E-04	4.36E-10	14.00	4.71E-02	2.87E-10	1,000,000	2.87E-04
92	8.0753E-07	8.1806E-07	6.05E-04	4.95E-10	14.00	4.71E-02	3.27E-10	1,000,000	3.27E-04
93	8.0753E-07	9.3586E-07	6.05E-04	5.66E-10	14.00	4.71E-02	3.74E-10	1,000,000	3.74E-04
94	8.0753E-07	1.077E-06	6.05E-04	6.52E-10	14.00	4.71E-02	4.30E-10	1,000,000	4.30E-04
95	8.0753E-07	1.2452E-06	6.05E-04	7.53E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04
96	8.0753E-07	1.4428E-06	6.05E-04	8.73E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
97	8.0753E-07	1.6693E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.67E-10	1,000,000	6.67E-04
98	8.0753E-07	1.9161E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.65E-10	1,000,000	7.65E-04
99	8.0753E-07	2.1643E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
100	8.0753E-07	2.3854E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.53E-10	1,000,000	9.53E-04
101	8.0753E-07	2.5347E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
102	8.0753E-07	2.571E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
103	8.0753E-07	2.4772E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.89E-10	1,000,000	9.89E-04
104	8.0753E-07	2.267E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.05E-10	1,000,000	9.05E-04
105	8.0753E-07	2.0023E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.00E-10	1,000,000	8.00E-04
106	8.0753E-07	1.7274E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.90E-10	1,000,000	6.90E-04
107	8.0753E-07	1.4756E-06	6.05E-04	8.93E-10	14.00	4.71E-02	5.89E-10	1,000,000	5.89E-04
108	8.0753E-07	1.2622E-06	6.05E-04	7.64E-10	14.00	4.71E-02	5.04E-10	1,000,000	5.04E-04
109	8.0753E-07	1.085E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
110	8.0753E-07	9.4185E-07	6.05E-04	5.70E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
111	8.0753E-07	5.8001E-07	6.05E-04	3.51E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04
112	8.0753E-07	6.6627E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
113	8.0753E-07	7.535E-07	6.05E-04	4.56E-10	14.00	4.71E-02	3.01E-10	1,000,000	3.01E-04
114	8.0753E-07	8.6718E-07	6.05E-04	5.25E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
115	8.0753E-07	1.0241E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
116	8.0753E-07	1.2001E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
117	8.0753E-07	1.4191E-06	6.05E-04	8.59E-10	14.00	4.71E-02	5.67E-10	1,000,000	5.67E-04
118	8.0753E-07	1.6909E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.75E-10	1,000,000	6.75E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.0753E-07	2.0214E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.07E-10	1,000,000	8.07E-04
120	8.0753E-07	2.4079E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.62E-10	1,000,000	9.62E-04
121	8.0753E-07	2.8295E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
122	8.0753E-07	3.2307E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
123	8.0753E-07	3.5354E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
124	8.0753E-07	3.6371E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
125	8.0753E-07	3.4636E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
126	8.0753E-07	3.0542E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
127	8.0753E-07	2.5714E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
128	8.0753E-07	2.121E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.47E-10	1,000,000	8.47E-04
129	8.0753E-07	1.7436E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04
130	8.0753E-07	1.4497E-06	6.05E-04	8.77E-10	14.00	4.71E-02	5.79E-10	1,000,000	5.79E-04
131	8.0753E-07	1.2178E-06	6.05E-04	7.37E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
132	8.0753E-07	1.0383E-06	6.05E-04	6.28E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
133	8.0753E-07	5.7698E-07	6.05E-04	3.49E-10	14.00	4.71E-02	2.30E-10	1,000,000	2.30E-04
134	8.0753E-07	6.6451E-07	6.05E-04	4.02E-10	14.00	4.71E-02	2.65E-10	1,000,000	2.65E-04
135	8.0753E-07	7.6687E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
136	8.0753E-07	9.1699E-07	6.05E-04	5.55E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
137	8.0753E-07	1.1107E-06	6.05E-04	6.72E-10	14.00	4.71E-02	4.44E-10	1,000,000	4.44E-04
138	8.0753E-07	1.3259E-06	6.05E-04	8.02E-10	14.00	4.71E-02	5.30E-10	1,000,000	5.30E-04
139	8.0753E-07	1.6069E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.42E-10	1,000,000	6.42E-04
140	8.0753E-07	1.977E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
141	8.0753E-07	2.4614E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.83E-10	1,000,000	9.83E-04
142	8.0753E-07	3.0822E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
143	8.0753E-07	3.8249E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
144	8.0753E-07	4.6175E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
145	8.0753E-07	5.3209E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
146	8.0753E-07	5.662E-06	6.05E-04	3.43E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
147	8.0753E-07	5.3113E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
148	8.0753E-07	4.3716E-06	6.05E-04	2.65E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
149	8.0753E-07	3.4001E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
150	8.0753E-07	2.6211E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
151	8.0753E-07	2.058E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.0753E-07	1.6574E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.62E-10	1,000,000	6.62E-04
153	8.0753E-07	1.3612E-06	6.05E-04	8.24E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
154	8.0753E-07	1.1395E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
155	8.0753E-07	5.1917E-07	6.05E-04	3.14E-10	14.00	4.71E-02	2.07E-10	1,000,000	2.07E-04
156	8.0753E-07	6.1044E-07	6.05E-04	3.69E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04
157	8.0753E-07	7.5751E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.03E-10	1,000,000	3.03E-04
158	8.0753E-07	8.9847E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
159	8.0753E-07	1.1227E-06	6.05E-04	6.79E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
160	8.0753E-07	1.3932E-06	6.05E-04	8.43E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
161	8.0753E-07	1.7519E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
162	8.0753E-07	2.2869E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.13E-10	1,000,000	9.13E-04
163	8.0753E-07	2.9937E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
164	8.0753E-07	4.0056E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
165	8.0753E-07	5.3831E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
166	8.0753E-07	7.0639E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
167	8.0753E-07	8.9084E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
168	8.0753E-07	1.0548E-05	6.05E-04	6.38E-09	14.00	4.71E-02	4.21E-09	1,000,000	4.21E-03
169	8.0753E-07	9.7893E-06	6.05E-04	5.92E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
170	8.0753E-07	6.7907E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
171	8.0753E-07	4.562E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
172	8.0753E-07	3.2508E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
173	8.0753E-07	2.4247E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.68E-10	1,000,000	9.68E-04
174	8.0753E-07	1.8854E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.53E-10	1,000,000	7.53E-04
175	8.0753E-07	1.5153E-06	6.05E-04	9.17E-10	14.00	4.71E-02	6.05E-10	1,000,000	6.05E-04
176	8.0753E-07	1.2469E-06	6.05E-04	7.54E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
177	8.0753E-07	4.988E-07	6.05E-04	3.02E-10	14.00	4.71E-02	1.99E-10	1,000,000	1.99E-04
178	8.0753E-07	5.9779E-07	6.05E-04	3.62E-10	14.00	4.71E-02	2.39E-10	1,000,000	2.39E-04
179	8.0753E-07	7.3456E-07	6.05E-04	4.44E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
180	8.0753E-07	9.1743E-07	6.05E-04	5.55E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
181	8.0753E-07	1.1442E-06	6.05E-04	6.92E-10	14.00	4.71E-02	4.57E-10	1,000,000	4.57E-04
182	8.0753E-07	1.4406E-06	6.05E-04	8.72E-10	14.00	4.71E-02	5.75E-10	1,000,000	5.75E-04
183	8.0753E-07	1.8689E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.46E-10	1,000,000	7.46E-04
184	8.0753E-07	3.099E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.0753E-07	1.1293E-05	6.05E-04	6.83E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
186	8.0753E-07	6.18E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
187	8.0753E-07	3.9812E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
188	8.0753E-07	2.8176E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
189	8.0753E-07	2.1232E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.48E-10	1,000,000	8.48E-04
190	8.0753E-07	1.6682E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.66E-10	1,000,000	6.66E-04
191	8.0753E-07	1.3513E-06	6.05E-04	8.18E-10	14.00	4.71E-02	5.40E-10	1,000,000	5.40E-04
192	8.0753E-07	4.6081E-07	6.05E-04	2.79E-10	14.00	4.71E-02	1.84E-10	1,000,000	1.84E-04
193	8.0753E-07	5.4818E-07	6.05E-04	3.32E-10	14.00	4.71E-02	2.19E-10	1,000,000	2.19E-04
194	8.0753E-07	6.7702E-07	6.05E-04	4.10E-10	14.00	4.71E-02	2.70E-10	1,000,000	2.70E-04
195	8.0753E-07	8.3802E-07	6.05E-04	5.07E-10	14.00	4.71E-02	3.35E-10	1,000,000	3.35E-04
196	8.0753E-07	1.0659E-06	6.05E-04	6.45E-10	14.00	4.71E-02	4.26E-10	1,000,000	4.26E-04
197	8.0753E-07	1.344E-06	6.05E-04	8.13E-10	14.00	4.71E-02	5.37E-10	1,000,000	5.37E-04
198	8.0753E-07	1.8334E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
199	8.0753E-07	6.5355E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
200	8.0753E-07	5.7553E-05	6.05E-04	3.48E-08	14.00	4.71E-02	2.30E-08	1,000,000	2.30E-02
201	8.0753E-07	1.5501E-05	6.05E-04	9.38E-09	14.00	4.71E-02	6.19E-09	1,000,000	6.19E-03
202	8.0753E-07	7.5274E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
203	8.0753E-07	4.6075E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
204	8.0753E-07	3.1604E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
205	8.0753E-07	2.3291E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.30E-10	1,000,000	9.30E-04
206	8.0753E-07	1.8014E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.19E-10	1,000,000	7.19E-04
207	8.0753E-07	1.444E-06	6.05E-04	8.74E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
208	8.0753E-07	4.2215E-07	6.05E-04	2.55E-10	14.00	4.71E-02	1.69E-10	1,000,000	1.69E-04
209	8.0753E-07	5.0004E-07	6.05E-04	3.03E-10	14.00	4.71E-02	2.00E-10	1,000,000	2.00E-04
210	8.0753E-07	5.8374E-07	6.05E-04	3.53E-10	14.00	4.71E-02	2.33E-10	1,000,000	2.33E-04
211	8.0753E-07	7.3483E-07	6.05E-04	4.45E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
212	8.0753E-07	9.1978E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.67E-10	1,000,000	3.67E-04
213	8.0753E-07	1.2104E-06	6.05E-04	7.32E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04
214	8.0753E-07	1.6742E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
215	8.0753E-07	2.3757E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.49E-10	1,000,000	9.49E-04
216	8.0753E-07	3.9836E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
217	8.0753E-07	7.058E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.0753E-07	7.2582E-05	6.05E-04	4.39E-08	14.00	4.71E-02	2.90E-08	1,000,000	2.90E-02
219	8.0753E-07	2.9978E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
220	8.0753E-07	1.3492E-05	6.05E-04	8.16E-09	14.00	4.71E-02	5.39E-09	1,000,000	5.39E-03
221	8.0753E-07	7.4897E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
222	8.0753E-07	4.7479E-06	6.05E-04	2.87E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
223	8.0753E-07	3.2928E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
224	8.0753E-07	2.4303E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.71E-10	1,000,000	9.71E-04
225	8.0753E-07	1.8765E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.49E-10	1,000,000	7.49E-04
226	8.0753E-07	1.5001E-06	6.05E-04	9.08E-10	14.00	4.71E-02	5.99E-10	1,000,000	5.99E-04
227	8.0753E-07	3.8298E-07	6.05E-04	2.32E-10	14.00	4.71E-02	1.53E-10	1,000,000	1.53E-04
228	8.0753E-07	4.4599E-07	6.05E-04	2.70E-10	14.00	4.71E-02	1.78E-10	1,000,000	1.78E-04
229	8.0753E-07	5.2643E-07	6.05E-04	3.19E-10	14.00	4.71E-02	2.10E-10	1,000,000	2.10E-04
230	8.0753E-07	6.4118E-07	6.05E-04	3.88E-10	14.00	4.71E-02	2.56E-10	1,000,000	2.56E-04
231	8.0753E-07	8.0267E-07	6.05E-04	4.86E-10	14.00	4.71E-02	3.21E-10	1,000,000	3.21E-04
232	8.0753E-07	1.0111E-06	6.05E-04	6.12E-10	14.00	4.71E-02	4.04E-10	1,000,000	4.04E-04
233	8.0753E-07	1.4349E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
234	8.0753E-07	2.0446E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.16E-10	1,000,000	8.16E-04
235	8.0753E-07	3.1426E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
236	8.0753E-07	5.5026E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
237	8.0753E-07	1.0907E-05	6.05E-04	6.60E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
238	8.0753E-07	2.0483E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.18E-09	1,000,000	8.18E-03
239	8.0753E-07	2.591E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
240	8.0753E-07	2.2621E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.03E-09	1,000,000	9.03E-03
241	8.0753E-07	1.504E-05	6.05E-04	9.10E-09	14.00	4.71E-02	6.01E-09	1,000,000	6.01E-03
242	8.0753E-07	9.393E-06	6.05E-04	5.68E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
243	8.0753E-07	6.2081E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
244	8.0753E-07	4.3001E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
245	8.0753E-07	3.1292E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
246	8.0753E-07	2.3731E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.48E-10	1,000,000	9.48E-04
247	8.0753E-07	1.8617E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.43E-10	1,000,000	7.43E-04
248	8.0753E-07	1.502E-06	6.05E-04	9.09E-10	14.00	4.71E-02	6.00E-10	1,000,000	6.00E-04
249	8.0753E-07	3.4838E-07	6.05E-04	2.11E-10	14.00	4.71E-02	1.39E-10	1,000,000	1.39E-04
250	8.0753E-07	4.0043E-07	6.05E-04	2.42E-10	14.00	4.71E-02	1.60E-10	1,000,000	1.60E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.0753E-07	4.6624E-07	6.05E-04	2.82E-10	14.00	4.71E-02	1.86E-10	1,000,000	1.86E-04
252	8.0753E-07	5.6586E-07	6.05E-04	3.42E-10	14.00	4.71E-02	2.26E-10	1,000,000	2.26E-04
253	8.0753E-07	6.9351E-07	6.05E-04	4.20E-10	14.00	4.71E-02	2.77E-10	1,000,000	2.77E-04
254	8.0753E-07	9.0877E-07	6.05E-04	5.50E-10	14.00	4.71E-02	3.63E-10	1,000,000	3.63E-04
255	8.0753E-07	1.1861E-06	6.05E-04	7.18E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
256	8.0753E-07	1.716E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
257	8.0753E-07	2.4221E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.67E-10	1,000,000	9.67E-04
258	8.0753E-07	3.5931E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
259	8.0753E-07	5.6523E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
260	8.0753E-07	8.4849E-06	6.05E-04	5.13E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
261	8.0753E-07	1.016E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
262	8.0753E-07	9.7151E-06	6.05E-04	5.88E-09	14.00	4.71E-02	3.88E-09	1,000,000	3.88E-03
263	8.0753E-07	7.9077E-06	6.05E-04	4.78E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
264	8.0753E-07	6.0961E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
265	8.0753E-07	4.6999E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
266	8.0753E-07	3.5639E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
267	8.0753E-07	2.7547E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
268	8.0753E-07	2.1762E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.69E-10	1,000,000	8.69E-04
269	8.0753E-07	1.7552E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.01E-10	1,000,000	7.01E-04
270	8.0753E-07	1.4429E-06	6.05E-04	8.73E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
271	8.0753E-07	3.1036E-07	6.05E-04	1.88E-10	14.00	4.71E-02	1.24E-10	1,000,000	1.24E-04
272	8.0753E-07	3.536E-07	6.05E-04	2.14E-10	14.00	4.71E-02	1.41E-10	1,000,000	1.41E-04
273	8.0753E-07	4.1327E-07	6.05E-04	2.50E-10	14.00	4.71E-02	1.65E-10	1,000,000	1.65E-04
274	8.0753E-07	4.9047E-07	6.05E-04	2.97E-10	14.00	4.71E-02	1.96E-10	1,000,000	1.96E-04
275	8.0753E-07	5.9561E-07	6.05E-04	3.60E-10	14.00	4.71E-02	2.38E-10	1,000,000	2.38E-04
276	8.0753E-07	7.5429E-07	6.05E-04	4.56E-10	14.00	4.71E-02	3.01E-10	1,000,000	3.01E-04
277	8.0753E-07	9.7258E-07	6.05E-04	5.88E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
278	8.0753E-07	1.2679E-06	6.05E-04	7.67E-10	14.00	4.71E-02	5.06E-10	1,000,000	5.06E-04
279	8.0753E-07	1.7439E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04
280	8.0753E-07	2.4379E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.74E-10	1,000,000	9.74E-04
281	8.0753E-07	3.414E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
282	8.0753E-07	4.5237E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
283	8.0753E-07	5.2386E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.0753E-07	4.8219E-06	6.05E-04	2.92E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
285	8.0753E-07	4.5495E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
286	8.0753E-07	3.9638E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
287	8.0753E-07	3.3443E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
288	8.0753E-07	2.7958E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
289	8.0753E-07	2.3268E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.29E-10	1,000,000	9.29E-04
290	8.0753E-07	1.9091E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.62E-10	1,000,000	7.62E-04
291	8.0753E-07	1.5889E-06	6.05E-04	9.61E-10	14.00	4.71E-02	6.35E-10	1,000,000	6.35E-04
292	8.0753E-07	1.3376E-06	6.05E-04	8.09E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
293	8.0753E-07	2.7904E-07	6.05E-04	1.69E-10	14.00	4.71E-02	1.11E-10	1,000,000	1.11E-04
294	8.0753E-07	3.1817E-07	6.05E-04	1.93E-10	14.00	4.71E-02	1.27E-10	1,000,000	1.27E-04
295	8.0753E-07	3.6686E-07	6.05E-04	2.22E-10	14.00	4.71E-02	1.47E-10	1,000,000	1.47E-04
296	8.0753E-07	4.2605E-07	6.05E-04	2.58E-10	14.00	4.71E-02	1.70E-10	1,000,000	1.70E-04
297	8.0753E-07	5.1547E-07	6.05E-04	3.12E-10	14.00	4.71E-02	2.06E-10	1,000,000	2.06E-04
298	8.0753E-07	6.2898E-07	6.05E-04	3.81E-10	14.00	4.71E-02	2.51E-10	1,000,000	2.51E-04
299	8.0753E-07	7.8441E-07	6.05E-04	4.75E-10	14.00	4.71E-02	3.13E-10	1,000,000	3.13E-04
300	8.0753E-07	1.0194E-06	6.05E-04	6.17E-10	14.00	4.71E-02	4.07E-10	1,000,000	4.07E-04
301	8.0753E-07	1.2705E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
302	8.0753E-07	1.6982E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.78E-10	1,000,000	6.78E-04
303	8.0753E-07	2.2102E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.83E-10	1,000,000	8.83E-04
304	8.0753E-07	2.7751E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
305	8.0753E-07	3.0546E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
306	8.0753E-07	2.9612E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
307	8.0753E-07	2.8278E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
308	8.0753E-07	2.5955E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
309	8.0753E-07	2.4838E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.92E-10	1,000,000	9.92E-04
310	8.0753E-07	2.1634E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
311	8.0753E-07	1.8909E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
312	8.0753E-07	1.6369E-06	6.05E-04	9.90E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
313	8.0753E-07	1.4136E-06	6.05E-04	8.55E-10	14.00	4.71E-02	5.65E-10	1,000,000	5.65E-04
314	8.0753E-07	1.2276E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
315	8.0753E-07	2.4708E-07	6.05E-04	1.49E-10	14.00	4.71E-02	9.87E-11	1,000,000	9.87E-05
316	8.0753E-07	2.8124E-07	6.05E-04	1.70E-10	14.00	4.71E-02	1.12E-10	1,000,000	1.12E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.0753E-07	3.2151E-07	6.05E-04	1.95E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
318	8.0753E-07	3.6973E-07	6.05E-04	2.24E-10	14.00	4.71E-02	1.48E-10	1,000,000	1.48E-04
319	8.0753E-07	4.2682E-07	6.05E-04	2.58E-10	14.00	4.71E-02	1.70E-10	1,000,000	1.70E-04
320	8.0753E-07	5.2938E-07	6.05E-04	3.20E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
321	8.0753E-07	6.3231E-07	6.05E-04	3.83E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04
322	8.0753E-07	7.7802E-07	6.05E-04	4.71E-10	14.00	4.71E-02	3.11E-10	1,000,000	3.11E-04
323	8.0753E-07	9.8525E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
324	8.0753E-07	1.2256E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
325	8.0753E-07	1.5126E-06	6.05E-04	9.15E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
326	8.0753E-07	1.8327E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
327	8.0753E-07	2.3214E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.27E-10	1,000,000	9.27E-04
328	8.0753E-07	1.942E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.76E-10	1,000,000	7.76E-04
329	8.0753E-07	1.8822E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.52E-10	1,000,000	7.52E-04
330	8.0753E-07	1.8278E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.30E-10	1,000,000	7.30E-04
331	8.0753E-07	1.7546E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.01E-10	1,000,000	7.01E-04
332	8.0753E-07	1.6579E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.62E-10	1,000,000	6.62E-04
333	8.0753E-07	1.5138E-06	6.05E-04	9.16E-10	14.00	4.71E-02	6.05E-10	1,000,000	6.05E-04
334	8.0753E-07	1.3737E-06	6.05E-04	8.31E-10	14.00	4.71E-02	5.49E-10	1,000,000	5.49E-04
335	8.0753E-07	1.2233E-06	6.05E-04	7.40E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
336	8.0753E-07	1.0884E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
337	8.0753E-07	2.2438E-07	6.05E-04	1.36E-10	14.00	4.71E-02	8.96E-11	1,000,000	8.96E-05
338	8.0753E-07	2.5158E-07	6.05E-04	1.52E-10	14.00	4.71E-02	1.00E-10	1,000,000	1.00E-04
339	8.0753E-07	2.8099E-07	6.05E-04	1.70E-10	14.00	4.71E-02	1.12E-10	1,000,000	1.12E-04
340	8.0753E-07	3.2403E-07	6.05E-04	1.96E-10	14.00	4.71E-02	1.29E-10	1,000,000	1.29E-04
341	8.0753E-07	3.688E-07	6.05E-04	2.23E-10	14.00	4.71E-02	1.47E-10	1,000,000	1.47E-04
342	8.0753E-07	4.4486E-07	6.05E-04	2.69E-10	14.00	4.71E-02	1.78E-10	1,000,000	1.78E-04
343	8.0753E-07	5.1577E-07	6.05E-04	3.12E-10	14.00	4.71E-02	2.06E-10	1,000,000	2.06E-04
344	8.0753E-07	6.2058E-07	6.05E-04	3.75E-10	14.00	4.71E-02	2.48E-10	1,000,000	2.48E-04
345	8.0753E-07	7.5112E-07	6.05E-04	4.54E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
346	8.0753E-07	9.2554E-07	6.05E-04	5.60E-10	14.00	4.71E-02	3.70E-10	1,000,000	3.70E-04
347	8.0753E-07	1.0808E-06	6.05E-04	6.54E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
348	8.0753E-07	1.2494E-06	6.05E-04	7.56E-10	14.00	4.71E-02	4.99E-10	1,000,000	4.99E-04
349	8.0753E-07	1.2287E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.0753E-07	1.2772E-06	6.05E-04	7.73E-10	14.00	4.71E-02	5.10E-10	1,000,000	5.10E-04
351	8.0753E-07	1.298E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
352	8.0753E-07	1.2371E-06	6.05E-04	7.49E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
353	8.0753E-07	1.2753E-06	6.05E-04	7.72E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
354	8.0753E-07	1.2197E-06	6.05E-04	7.38E-10	14.00	4.71E-02	4.87E-10	1,000,000	4.87E-04
355	8.0753E-07	1.1832E-06	6.05E-04	7.16E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
356	8.0753E-07	1.1278E-06	6.05E-04	6.82E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
357	8.0753E-07	1.0471E-06	6.05E-04	6.34E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
358	8.0753E-07	9.701E-07	6.05E-04	5.87E-10	14.00	4.71E-02	3.87E-10	1,000,000	3.87E-04
359	8.0753E-07	1.9958E-07	6.05E-04	1.21E-10	14.00	4.71E-02	7.97E-11	1,000,000	7.97E-05
360	8.0753E-07	2.2326E-07	6.05E-04	1.35E-10	14.00	4.71E-02	8.92E-11	1,000,000	8.92E-05
361	8.0753E-07	2.4895E-07	6.05E-04	1.51E-10	14.00	4.71E-02	9.94E-11	1,000,000	9.94E-05
362	8.0753E-07	2.7944E-07	6.05E-04	1.69E-10	14.00	4.71E-02	1.12E-10	1,000,000	1.12E-04
363	8.0753E-07	3.1313E-07	6.05E-04	1.89E-10	14.00	4.71E-02	1.25E-10	1,000,000	1.25E-04
364	8.0753E-07	3.6456E-07	6.05E-04	2.21E-10	14.00	4.71E-02	1.46E-10	1,000,000	1.46E-04
365	8.0753E-07	4.258E-07	6.05E-04	2.58E-10	14.00	4.71E-02	1.70E-10	1,000,000	1.70E-04
366	8.0753E-07	5.0323E-07	6.05E-04	3.04E-10	14.00	4.71E-02	2.01E-10	1,000,000	2.01E-04
367	8.0753E-07	6.0669E-07	6.05E-04	3.67E-10	14.00	4.71E-02	2.42E-10	1,000,000	2.42E-04
368	8.0753E-07	7.0542E-07	6.05E-04	4.27E-10	14.00	4.71E-02	2.82E-10	1,000,000	2.82E-04
369	8.0753E-07	7.8887E-07	6.05E-04	4.77E-10	14.00	4.71E-02	3.15E-10	1,000,000	3.15E-04
370	8.0753E-07	8.4478E-07	6.05E-04	5.11E-10	14.00	4.71E-02	3.37E-10	1,000,000	3.37E-04
371	8.0753E-07	9.1029E-07	6.05E-04	5.51E-10	14.00	4.71E-02	3.64E-10	1,000,000	3.64E-04
372	8.0753E-07	9.4146E-07	6.05E-04	5.70E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
373	8.0753E-07	9.2559E-07	6.05E-04	5.60E-10	14.00	4.71E-02	3.70E-10	1,000,000	3.70E-04
374	8.0753E-07	8.9628E-07	6.05E-04	5.42E-10	14.00	4.71E-02	3.58E-10	1,000,000	3.58E-04
375	8.0753E-07	9.2264E-07	6.05E-04	5.58E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
376	8.0753E-07	9.0352E-07	6.05E-04	5.47E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
377	8.0753E-07	8.9873E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
378	8.0753E-07	9.1568E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
379	8.0753E-07	8.8105E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
380	8.0753E-07	8.2133E-07	6.05E-04	4.97E-10	14.00	4.71E-02	3.28E-10	1,000,000	3.28E-04
381	8.0753E-07	6.1217E-07	6.05E-04	3.70E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04
382	8.0753E-07	6.8274E-07	6.05E-04	4.13E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.0753E-07	7.6411E-07	6.05E-04	4.62E-10	14.00	4.71E-02	3.05E-10	1,000,000	3.05E-04
384	8.0753E-07	8.5748E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.42E-10	1,000,000	3.42E-04
385	8.0753E-07	9.6372E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
386	8.0753E-07	1.082E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
387	8.0753E-07	1.2097E-06	6.05E-04	7.32E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04
388	8.0753E-07	1.343E-06	6.05E-04	8.13E-10	14.00	4.71E-02	5.36E-10	1,000,000	5.36E-04
389	8.0753E-07	1.4727E-06	6.05E-04	8.91E-10	14.00	4.71E-02	5.88E-10	1,000,000	5.88E-04
390	8.0753E-07	1.5866E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
391	8.0753E-07	1.6692E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.67E-10	1,000,000	6.67E-04
392	8.0753E-07	1.7064E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.81E-10	1,000,000	6.81E-04
393	8.0753E-07	1.6886E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.74E-10	1,000,000	6.74E-04
394	8.0753E-07	1.6197E-06	6.05E-04	9.80E-10	14.00	4.71E-02	6.47E-10	1,000,000	6.47E-04
395	8.0753E-07	1.5053E-06	6.05E-04	9.11E-10	14.00	4.71E-02	6.01E-10	1,000,000	6.01E-04
396	8.0753E-07	1.3689E-06	6.05E-04	8.28E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
397	8.0753E-07	1.2269E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
398	8.0753E-07	1.0898E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
399	8.0753E-07	6.5545E-07	6.05E-04	3.97E-10	14.00	4.71E-02	2.62E-10	1,000,000	2.62E-04
400	8.0753E-07	7.3857E-07	6.05E-04	4.47E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
401	8.0753E-07	8.3685E-07	6.05E-04	5.06E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
402	8.0753E-07	9.5293E-07	6.05E-04	5.77E-10	14.00	4.71E-02	3.81E-10	1,000,000	3.81E-04
403	8.0753E-07	1.0891E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
404	8.0753E-07	1.2463E-06	6.05E-04	7.54E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
405	8.0753E-07	1.4247E-06	6.05E-04	8.62E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
406	8.0753E-07	1.6197E-06	6.05E-04	9.80E-10	14.00	4.71E-02	6.47E-10	1,000,000	6.47E-04
407	8.0753E-07	1.8196E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.27E-10	1,000,000	7.27E-04
408	8.0753E-07	2.0064E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.01E-10	1,000,000	8.01E-04
409	8.0753E-07	2.1488E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.58E-10	1,000,000	8.58E-04
410	8.0753E-07	2.2152E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
411	8.0753E-07	2.1914E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.75E-10	1,000,000	8.75E-04
412	8.0753E-07	2.0765E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
413	8.0753E-07	1.8886E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.54E-10	1,000,000	7.54E-04
414	8.0753E-07	1.6727E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
415	8.0753E-07	1.4577E-06	6.05E-04	8.82E-10	14.00	4.71E-02	5.82E-10	1,000,000	5.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.0753E-07	1.2589E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
417	8.0753E-07	6.9483E-07	6.05E-04	4.20E-10	14.00	4.71E-02	2.77E-10	1,000,000	2.77E-04
418	8.0753E-07	7.9463E-07	6.05E-04	4.81E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
419	8.0753E-07	9.1195E-07	6.05E-04	5.52E-10	14.00	4.71E-02	3.64E-10	1,000,000	3.64E-04
420	8.0753E-07	1.0549E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
421	8.0753E-07	1.2291E-06	6.05E-04	7.44E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04
422	8.0753E-07	1.4406E-06	6.05E-04	8.72E-10	14.00	4.71E-02	5.75E-10	1,000,000	5.75E-04
423	8.0753E-07	1.6933E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.76E-10	1,000,000	6.76E-04
424	8.0753E-07	1.9853E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.93E-10	1,000,000	7.93E-04
425	8.0753E-07	2.3022E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
426	8.0753E-07	2.6193E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
427	8.0753E-07	2.8787E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
428	8.0753E-07	3.0233E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
429	8.0753E-07	2.9912E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
430	8.0753E-07	2.7731E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
431	8.0753E-07	2.4392E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.74E-10	1,000,000	9.74E-04
432	8.0753E-07	2.0782E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04
433	8.0753E-07	1.7537E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
434	8.0753E-07	1.4706E-06	6.05E-04	8.90E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
435	8.0753E-07	7.0974E-07	6.05E-04	4.29E-10	14.00	4.71E-02	2.83E-10	1,000,000	2.83E-04
436	8.0753E-07	8.2608E-07	6.05E-04	5.00E-10	14.00	4.71E-02	3.30E-10	1,000,000	3.30E-04
437	8.0753E-07	9.7733E-07	6.05E-04	5.91E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
438	8.0753E-07	1.1598E-06	6.05E-04	7.02E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
439	8.0753E-07	1.38E-06	6.05E-04	8.35E-10	14.00	4.71E-02	5.51E-10	1,000,000	5.51E-04
440	8.0753E-07	1.6611E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.63E-10	1,000,000	6.63E-04
441	8.0753E-07	2.0186E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.06E-10	1,000,000	8.06E-04
442	8.0753E-07	2.4635E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.84E-10	1,000,000	9.84E-04
443	8.0753E-07	2.9906E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
444	8.0753E-07	3.5599E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
445	8.0753E-07	4.0857E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
446	8.0753E-07	4.4304E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
447	8.0753E-07	4.4082E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
448	8.0753E-07	3.9454E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.0753E-07	3.2786E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
450	8.0753E-07	2.6385E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
451	8.0753E-07	2.1045E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.40E-10	1,000,000	8.40E-04
452	8.0753E-07	1.7092E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
453	8.0753E-07	6.9794E-07	6.05E-04	4.22E-10	14.00	4.71E-02	2.79E-10	1,000,000	2.79E-04
454	8.0753E-07	8.3572E-07	6.05E-04	5.06E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
455	8.0753E-07	1.018E-06	6.05E-04	6.16E-10	14.00	4.71E-02	4.07E-10	1,000,000	4.07E-04
456	8.0753E-07	1.2399E-06	6.05E-04	7.50E-10	14.00	4.71E-02	4.95E-10	1,000,000	4.95E-04
457	8.0753E-07	1.5326E-06	6.05E-04	9.27E-10	14.00	4.71E-02	6.12E-10	1,000,000	6.12E-04
458	8.0753E-07	1.8995E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.59E-10	1,000,000	7.59E-04
459	8.0753E-07	2.4011E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.59E-10	1,000,000	9.59E-04
460	8.0753E-07	3.0847E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
461	8.0753E-07	3.9842E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
462	8.0753E-07	5.0754E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
463	8.0753E-07	6.2424E-06	6.05E-04	3.78E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
464	8.0753E-07	7.241E-06	6.05E-04	4.38E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
465	8.0753E-07	7.423E-06	6.05E-04	4.49E-09	14.00	4.71E-02	2.96E-09	1,000,000	2.96E-03
466	8.0753E-07	6.2206E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
467	8.0753E-07	4.6099E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
468	8.0753E-07	3.3777E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
469	8.0753E-07	2.5451E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
470	8.0753E-07	1.9814E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04
471	8.0753E-07	6.5663E-07	6.05E-04	3.97E-10	14.00	4.71E-02	2.62E-10	1,000,000	2.62E-04
472	8.0753E-07	8.168E-07	6.05E-04	4.94E-10	14.00	4.71E-02	3.26E-10	1,000,000	3.26E-04
473	8.0753E-07	1.0086E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
474	8.0753E-07	1.2592E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
475	8.0753E-07	1.5818E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04
476	8.0753E-07	1.1685E-05	6.05E-04	7.07E-09	14.00	4.71E-02	4.67E-09	1,000,000	4.67E-03
477	8.0753E-07	6.6861E-06	6.05E-04	4.05E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
478	8.0753E-07	4.3499E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
479	8.0753E-07	3.06E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
480	8.0753E-07	2.2794E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.10E-10	1,000,000	9.10E-04
481	8.0753E-07	6.234E-07	6.05E-04	3.77E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.0753E-07	7.7407E-07	6.05E-04	4.68E-10	14.00	4.71E-02	3.09E-10	1,000,000	3.09E-04
483	8.0753E-07	9.3956E-07	6.05E-04	5.68E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
484	8.0753E-07	1.1808E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
485	8.0753E-07	1.6093E-06	6.05E-04	9.74E-10	14.00	4.71E-02	6.43E-10	1,000,000	6.43E-04
486	8.0753E-07	2.4538E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.80E-09	1,000,000	9.80E-03
487	8.0753E-07	9.5119E-06	6.05E-04	5.76E-09	14.00	4.71E-02	3.80E-09	1,000,000	3.80E-03
488	8.0753E-07	5.3908E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
489	8.0753E-07	3.5754E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
490	8.0753E-07	2.5748E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
491	8.0753E-07	5.6851E-07	6.05E-04	3.44E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
492	8.0753E-07	7.0142E-07	6.05E-04	4.24E-10	14.00	4.71E-02	2.80E-10	1,000,000	2.80E-04
493	8.0753E-07	8.5504E-07	6.05E-04	5.17E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
494	8.0753E-07	1.0969E-06	6.05E-04	6.64E-10	14.00	4.71E-02	4.38E-10	1,000,000	4.38E-04
495	8.0753E-07	1.4747E-06	6.05E-04	8.92E-10	14.00	4.71E-02	5.89E-10	1,000,000	5.89E-04
496	8.0753E-07	5.2303E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
497	8.0753E-07	1.016E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
498	8.0753E-07	9.0823E-05	6.05E-04	5.50E-08	14.00	4.71E-02	3.63E-08	1,000,000	3.63E-02
499	8.0753E-07	2.363E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.44E-09	1,000,000	9.44E-03
500	8.0753E-07	1.0464E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
501	8.0753E-07	5.9632E-06	6.05E-04	3.61E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
502	8.0753E-07	3.8987E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
503	8.0753E-07	2.7763E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
504	8.0753E-07	5.1283E-07	6.05E-04	3.10E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04
505	8.0753E-07	6.0645E-07	6.05E-04	3.67E-10	14.00	4.71E-02	2.42E-10	1,000,000	2.42E-04
506	8.0753E-07	7.7673E-07	6.05E-04	4.70E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
507	8.0753E-07	9.6288E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
508	8.0753E-07	1.3358E-06	6.05E-04	8.08E-10	14.00	4.71E-02	5.33E-10	1,000,000	5.33E-04
509	8.0753E-07	1.8424E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
510	8.0753E-07	2.7118E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
511	8.0753E-07	4.5937E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
512	8.0753E-07	9.4154E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
513	8.0753E-07	2.7545E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
514	8.0753E-07	5.1499E-05	6.05E-04	3.12E-08	14.00	4.71E-02	2.06E-08	1,000,000	2.06E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.0753E-07	5.2587E-05	6.05E-04	3.18E-08	14.00	4.71E-02	2.10E-08	1,000,000	2.10E-02
516	8.0753E-07	3.011E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
517	8.0753E-07	1.5368E-05	6.05E-04	9.30E-09	14.00	4.71E-02	6.14E-09	1,000,000	6.14E-03
518	8.0753E-07	8.8083E-06	6.05E-04	5.33E-09	14.00	4.71E-02	3.52E-09	1,000,000	3.52E-03
519	8.0753E-07	5.5826E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
520	8.0753E-07	3.8276E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
521	8.0753E-07	2.7876E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
522	8.0753E-07	4.5545E-07	6.05E-04	2.76E-10	14.00	4.71E-02	1.82E-10	1,000,000	1.82E-04
523	8.0753E-07	5.52E-07	6.05E-04	3.34E-10	14.00	4.71E-02	2.20E-10	1,000,000	2.20E-04
524	8.0753E-07	6.7985E-07	6.05E-04	4.11E-10	14.00	4.71E-02	2.71E-10	1,000,000	2.71E-04
525	8.0753E-07	8.4985E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04
526	8.0753E-07	1.0627E-06	6.05E-04	6.43E-10	14.00	4.71E-02	4.24E-10	1,000,000	4.24E-04
527	8.0753E-07	1.5594E-06	6.05E-04	9.44E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
528	8.0753E-07	2.2464E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.97E-10	1,000,000	8.97E-04
529	8.0753E-07	3.4602E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
530	8.0753E-07	5.9126E-06	6.05E-04	3.58E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
531	8.0753E-07	1.011E-05	6.05E-04	6.12E-09	14.00	4.71E-02	4.04E-09	1,000,000	4.04E-03
532	8.0753E-07	1.4314E-05	6.05E-04	8.66E-09	14.00	4.71E-02	5.72E-09	1,000,000	5.72E-03
533	8.0753E-07	1.5327E-05	6.05E-04	9.27E-09	14.00	4.71E-02	6.12E-09	1,000,000	6.12E-03
534	8.0753E-07	1.2529E-05	6.05E-04	7.58E-09	14.00	4.71E-02	5.00E-09	1,000,000	5.00E-03
535	8.0753E-07	9.1138E-06	6.05E-04	5.51E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
536	8.0753E-07	6.4492E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
537	8.0753E-07	4.6113E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
538	8.0753E-07	3.4025E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
539	8.0753E-07	2.5923E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
540	8.0753E-07	4.0543E-07	6.05E-04	2.45E-10	14.00	4.71E-02	1.62E-10	1,000,000	1.62E-04
541	8.0753E-07	4.8565E-07	6.05E-04	2.94E-10	14.00	4.71E-02	1.94E-10	1,000,000	1.94E-04
542	8.0753E-07	5.8919E-07	6.05E-04	3.57E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
543	8.0753E-07	7.2974E-07	6.05E-04	4.42E-10	14.00	4.71E-02	2.91E-10	1,000,000	2.91E-04
544	8.0753E-07	9.5445E-07	6.05E-04	5.78E-10	14.00	4.71E-02	3.81E-10	1,000,000	3.81E-04
545	8.0753E-07	1.2392E-06	6.05E-04	7.50E-10	14.00	4.71E-02	4.95E-10	1,000,000	4.95E-04
546	8.0753E-07	1.7323E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.92E-10	1,000,000	6.92E-04
547	8.0753E-07	2.4577E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.81E-10	1,000,000	9.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.0753E-07	3.6542E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
549	8.0753E-07	5.1197E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
550	8.0753E-07	6.8214E-06	6.05E-04	4.13E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
551	8.0753E-07	7.6081E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
552	8.0753E-07	6.5658E-06	6.05E-04	3.97E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
553	8.0753E-07	5.436E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
554	8.0753E-07	4.3811E-06	6.05E-04	2.65E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
555	8.0753E-07	3.5931E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
556	8.0753E-07	2.8399E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
557	8.0753E-07	2.2741E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.08E-10	1,000,000	9.08E-04
558	8.0753E-07	3.625E-07	6.05E-04	2.19E-10	14.00	4.71E-02	1.45E-10	1,000,000	1.45E-04
559	8.0753E-07	4.3062E-07	6.05E-04	2.61E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
560	8.0753E-07	5.0457E-07	6.05E-04	3.05E-10	14.00	4.71E-02	2.01E-10	1,000,000	2.01E-04
561	8.0753E-07	6.1939E-07	6.05E-04	3.75E-10	14.00	4.71E-02	2.47E-10	1,000,000	2.47E-04
562	8.0753E-07	7.5672E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
563	8.0753E-07	9.6351E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
564	8.0753E-07	1.3058E-06	6.05E-04	7.90E-10	14.00	4.71E-02	5.21E-10	1,000,000	5.21E-04
565	8.0753E-07	1.719E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.86E-10	1,000,000	6.86E-04
566	8.0753E-07	2.3931E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.56E-10	1,000,000	9.56E-04
567	8.0753E-07	3.092E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
568	8.0753E-07	3.8447E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
569	8.0753E-07	3.7837E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
570	8.0753E-07	3.5892E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
571	8.0753E-07	3.3951E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
572	8.0753E-07	3.1001E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
573	8.0753E-07	2.6634E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
574	8.0753E-07	2.2752E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.09E-10	1,000,000	9.09E-04
575	8.0753E-07	1.9335E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	8.08E-07	4.4804E-07	2.50E-04	1.12E-10	1.40E+01	1.57E-02	2.47E-11	1.0E+06	2.5E-05	3.6E-04	Res	0.072	498
2	8.0753E-07	4.8734E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.68E-11	1,000,000	2.68E-05	3.9E-04			
3	8.0753E-07	5.3079E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.92E-11	1,000,000	2.92E-05	4.2E-04			
4	8.0753E-07	5.7835E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.18E-11	1,000,000	3.18E-05	4.6E-04			
5	8.0753E-07	6.3024E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.47E-11	1,000,000	3.47E-05	5.0E-04			
6	8.0753E-07	6.8602E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.78E-11	1,000,000	3.78E-05	5.5E-04			
7	8.0753E-07	7.4421E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.10E-11	1,000,000	4.10E-05	5.9E-04			
8	8.0753E-07	8.036E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.42E-11	1,000,000	4.42E-05	6.4E-04			
9	8.0753E-07	8.6238E-07	2.50E-04	2.16E-10	14.00	1.57E-02	4.75E-11	1,000,000	4.75E-05	6.9E-04			
10	8.0753E-07	9.1667E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
11	8.0753E-07	9.6284E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.30E-11	1,000,000	5.30E-05	7.7E-04			
12	8.0753E-07	9.9726E-07	2.50E-04	2.50E-10	14.00	1.57E-02	5.49E-11	1,000,000	5.49E-05	7.9E-04			
13	8.0753E-07	1.0164E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.60E-11	1,000,000	5.60E-05	8.1E-04			
14	8.0753E-07	1.0179E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.60E-11	1,000,000	5.60E-05	8.1E-04			
15	8.0753E-07	1.0013E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
16	8.0753E-07	9.6722E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.33E-11	1,000,000	5.33E-05	7.7E-04			
17	8.0753E-07	9.2149E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
18	8.0753E-07	8.6622E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
19	8.0753E-07	8.0505E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.43E-11	1,000,000	4.43E-05	6.4E-04			
20	8.0753E-07	7.4436E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.10E-11	1,000,000	4.10E-05	5.9E-04			
21	8.0753E-07	6.8458E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.77E-11	1,000,000	3.77E-05	5.5E-04			
22	8.0753E-07	6.2698E-07	2.50E-04	1.57E-10	14.00	1.57E-02	3.45E-11	1,000,000	3.45E-05	5.0E-04			
23	8.0753E-07	4.7782E-07	2.50E-04	1.20E-10	14.00	1.57E-02	2.63E-11	1,000,000	2.63E-05	3.8E-04			
24	8.0753E-07	5.2357E-07	2.50E-04	1.31E-10	14.00	1.57E-02	2.88E-11	1,000,000	2.88E-05	4.2E-04			
25	8.0753E-07	5.7495E-07	2.50E-04	1.44E-10	14.00	1.57E-02	3.17E-11	1,000,000	3.17E-05	4.6E-04			
26	8.0753E-07	6.3245E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	8.0753E-07	6.9621E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.83E-11	1,000,000	3.83E-05	5.5E-04			
28	8.0753E-07	7.6665E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
29	8.0753E-07	8.4178E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.63E-11	1,000,000	4.63E-05	6.7E-04			
30	8.0753E-07	9.2127E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
31	8.0753E-07	1.001E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
32	8.0753E-07	1.077E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.93E-11	1,000,000	5.93E-05	8.6E-04			
33	8.0753E-07	1.1429E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
34	8.0753E-07	1.1947E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.58E-11	1,000,000	6.58E-05	9.5E-04			
35	8.0753E-07	1.2249E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.74E-11	1,000,000	6.74E-05	9.8E-04			
36	8.0753E-07	1.2294E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.77E-11	1,000,000	6.77E-05	9.8E-04			
37	8.0753E-07	1.2025E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.62E-11	1,000,000	6.62E-05	9.6E-04			
38	8.0753E-07	1.1534E-06	2.50E-04	2.89E-10	14.00	1.57E-02	6.35E-11	1,000,000	6.35E-05	9.2E-04			
39	8.0753E-07	1.0883E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.99E-11	1,000,000	5.99E-05	8.7E-04			
40	8.0753E-07	1.0101E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			
41	8.0753E-07	9.26E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.10E-11	1,000,000	5.10E-05	7.4E-04			
42	8.0753E-07	8.4252E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.64E-11	1,000,000	4.64E-05	6.7E-04			
43	8.0753E-07	7.6321E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.20E-11	1,000,000	4.20E-05	6.1E-04			
44	8.0753E-07	6.9421E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.82E-11	1,000,000	3.82E-05	5.5E-04			
45	8.0753E-07	5.0833E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.80E-11	1,000,000	2.80E-05	4.0E-04			
46	8.0753E-07	5.6129E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
47	8.0753E-07	6.2192E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.42E-11	1,000,000	3.42E-05	5.0E-04			
48	8.0753E-07	6.9117E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.81E-11	1,000,000	3.81E-05	5.5E-04			
49	8.0753E-07	7.698E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
50	8.0753E-07	8.5837E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.73E-11	1,000,000	4.73E-05	6.8E-04			
51	8.0753E-07	9.5665E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
52	8.0753E-07	1.063E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.85E-11	1,000,000	5.85E-05	8.5E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	8.0753E-07	1.1744E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.47E-11	1,000,000	6.47E-05	9.4E-04			
54	8.0753E-07	1.2833E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.07E-11	1,000,000	7.07E-05	1.0E-03			
55	8.0753E-07	1.3823E-06	2.50E-04	3.46E-10	14.00	1.57E-02	7.61E-11	1,000,000	7.61E-05	1.1E-03			
56	8.0753E-07	1.4614E-06	2.50E-04	3.66E-10	14.00	1.57E-02	8.05E-11	1,000,000	8.05E-05	1.2E-03			
57	8.0753E-07	1.5089E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
58	8.0753E-07	1.52E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.37E-11	1,000,000	8.37E-05	1.2E-03			
59	8.0753E-07	1.4796E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
60	8.0753E-07	1.4044E-06	2.50E-04	3.51E-10	14.00	1.57E-02	7.73E-11	1,000,000	7.73E-05	1.1E-03			
61	8.0753E-07	1.3063E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.19E-11	1,000,000	7.19E-05	1.0E-03			
62	8.0753E-07	1.191E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.56E-11	1,000,000	6.56E-05	9.5E-04			
63	8.0753E-07	1.0731E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
64	8.0753E-07	9.6116E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.29E-11	1,000,000	5.29E-05	7.7E-04			
65	8.0753E-07	8.5959E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.73E-11	1,000,000	4.73E-05	6.8E-04			
66	8.0753E-07	7.692E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
67	8.0753E-07	5.3881E-07	2.50E-04	1.35E-10	14.00	1.57E-02	2.97E-11	1,000,000	2.97E-05	4.3E-04			
68	8.0753E-07	5.9968E-07	2.50E-04	1.50E-10	14.00	1.57E-02	3.30E-11	1,000,000	3.30E-05	4.8E-04			
69	8.0753E-07	6.7066E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.69E-11	1,000,000	3.69E-05	5.3E-04			
70	8.0753E-07	7.535E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.15E-11	1,000,000	4.15E-05	6.0E-04			
71	8.0753E-07	8.5015E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
72	8.0753E-07	9.6225E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.30E-11	1,000,000	5.30E-05	7.7E-04			
73	8.0753E-07	1.091E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
74	8.0753E-07	1.235E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
75	8.0753E-07	1.3919E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			
76	8.0753E-07	1.5542E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.56E-11	1,000,000	8.56E-05	1.2E-03			
77	8.0753E-07	1.7092E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
78	8.0753E-07	1.84E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
79	8.0753E-07	1.9197E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
80	8.0753E-07	1.9347E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
81	8.0753E-07	1.8766E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
82	8.0753E-07	1.7602E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.69E-11	1,000,000	9.69E-05	1.4E-03			
83	8.0753E-07	1.5985E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.80E-11	1,000,000	8.80E-05	1.3E-03			
84	8.0753E-07	1.4252E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
85	8.0753E-07	1.2489E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.88E-11	1,000,000	6.88E-05	9.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	8.0753E-07	1.1003E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.06E-11	1,000,000	6.06E-05	8.8E-04			
87	8.0753E-07	9.6591E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.32E-11	1,000,000	5.32E-05	7.7E-04			
88	8.0753E-07	8.5183E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
89	8.0753E-07	5.6834E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.13E-11	1,000,000	3.13E-05	4.5E-04			
90	8.0753E-07	6.376E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.51E-11	1,000,000	3.51E-05	5.1E-04			
91	8.0753E-07	7.1982E-07	2.50E-04	1.80E-10	14.00	1.57E-02	3.96E-11	1,000,000	3.96E-05	5.7E-04			
92	8.0753E-07	8.1806E-07	2.50E-04	2.05E-10	14.00	1.57E-02	4.50E-11	1,000,000	4.50E-05	6.5E-04			
93	8.0753E-07	9.3586E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.15E-11	1,000,000	5.15E-05	7.5E-04			
94	8.0753E-07	1.077E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.93E-11	1,000,000	5.93E-05	8.6E-04			
95	8.0753E-07	1.2452E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			
96	8.0753E-07	1.4428E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
97	8.0753E-07	1.6693E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			
98	8.0753E-07	1.9161E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
99	8.0753E-07	2.1643E-06	2.50E-04	5.42E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
100	8.0753E-07	2.3854E-06	2.50E-04	5.97E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
101	8.0753E-07	2.5347E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
102	8.0753E-07	2.571E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
103	8.0753E-07	2.4772E-06	2.50E-04	6.20E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
104	8.0753E-07	2.267E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
105	8.0753E-07	2.0023E-06	2.50E-04	5.01E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
106	8.0753E-07	1.7274E-06	2.50E-04	4.32E-10	14.00	1.57E-02	9.51E-11	1,000,000	9.51E-05	1.4E-03			
107	8.0753E-07	1.4756E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.12E-11	1,000,000	8.12E-05	1.2E-03			
108	8.0753E-07	1.2622E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.95E-11	1,000,000	6.95E-05	1.0E-03			
109	8.0753E-07	1.085E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
110	8.0753E-07	9.4185E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.19E-11	1,000,000	5.19E-05	7.5E-04			
111	8.0753E-07	5.8001E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.19E-11	1,000,000	3.19E-05	4.6E-04			
112	8.0753E-07	6.6627E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.67E-11	1,000,000	3.67E-05	5.3E-04			
113	8.0753E-07	7.535E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.15E-11	1,000,000	4.15E-05	6.0E-04			
114	8.0753E-07	8.6718E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
115	8.0753E-07	1.0241E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
116	8.0753E-07	1.2001E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
117	8.0753E-07	1.4191E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.81E-11	1,000,000	7.81E-05	1.1E-03			
118	8.0753E-07	1.6909E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.31E-11	1,000,000	9.31E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	8.0753E-07	2.0214E-06	2.50E-04	5.06E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
120	8.0753E-07	2.4079E-06	2.50E-04	6.03E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
121	8.0753E-07	2.8295E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
122	8.0753E-07	3.2307E-06	2.50E-04	8.09E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
123	8.0753E-07	3.5354E-06	2.50E-04	8.85E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
124	8.0753E-07	3.6371E-06	2.50E-04	9.10E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
125	8.0753E-07	3.4636E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
126	8.0753E-07	3.0542E-06	2.50E-04	7.64E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
127	8.0753E-07	2.5714E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
128	8.0753E-07	2.121E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
129	8.0753E-07	1.7436E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
130	8.0753E-07	1.4497E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.98E-11	1,000,000	7.98E-05	1.2E-03			
131	8.0753E-07	1.2178E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.71E-11	1,000,000	6.71E-05	9.7E-04			
132	8.0753E-07	1.0383E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.72E-11	1,000,000	5.72E-05	8.3E-04			
133	8.0753E-07	5.7698E-07	2.50E-04	1.44E-10	14.00	1.57E-02	3.18E-11	1,000,000	3.18E-05	4.6E-04			
134	8.0753E-07	6.6451E-07	2.50E-04	1.66E-10	14.00	1.57E-02	3.66E-11	1,000,000	3.66E-05	5.3E-04			
135	8.0753E-07	7.6687E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
136	8.0753E-07	9.1699E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
137	8.0753E-07	1.1107E-06	2.50E-04	2.78E-10	14.00	1.57E-02	6.12E-11	1,000,000	6.12E-05	8.8E-04			
138	8.0753E-07	1.3259E-06	2.50E-04	3.32E-10	14.00	1.57E-02	7.30E-11	1,000,000	7.30E-05	1.1E-03			
139	8.0753E-07	1.6069E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.85E-11	1,000,000	8.85E-05	1.3E-03			
140	8.0753E-07	1.977E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
141	8.0753E-07	2.4614E-06	2.50E-04	6.16E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
142	8.0753E-07	3.0822E-06	2.50E-04	7.71E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
143	8.0753E-07	3.8249E-06	2.50E-04	9.57E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
144	8.0753E-07	4.6175E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
145	8.0753E-07	5.3209E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
146	8.0753E-07	5.662E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.12E-10	1,000,000	3.12E-04	4.5E-03			
147	8.0753E-07	5.3113E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
148	8.0753E-07	4.3716E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
149	8.0753E-07	3.4001E-06	2.50E-04	8.51E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
150	8.0753E-07	2.6211E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
151	8.0753E-07	2.058E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	8.0753E-07	1.6574E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.13E-11	1,000,000	9.13E-05	1.3E-03			
153	8.0753E-07	1.3612E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
154	8.0753E-07	1.1395E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
155	8.0753E-07	5.1917E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.86E-11	1,000,000	2.86E-05	4.1E-04			
156	8.0753E-07	6.1044E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.36E-11	1,000,000	3.36E-05	4.9E-04			
157	8.0753E-07	7.5751E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
158	8.0753E-07	8.9847E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
159	8.0753E-07	1.1227E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.18E-11	1,000,000	6.18E-05	8.9E-04			
160	8.0753E-07	1.3932E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.67E-11	1,000,000	7.67E-05	1.1E-03			
161	8.0753E-07	1.7519E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.65E-11	1,000,000	9.65E-05	1.4E-03			
162	8.0753E-07	2.2869E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
163	8.0753E-07	2.9937E-06	2.50E-04	7.49E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
164	8.0753E-07	4.0056E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
165	8.0753E-07	5.3831E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
166	8.0753E-07	7.0639E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.89E-10	1,000,000	3.89E-04	5.6E-03			
167	8.0753E-07	8.9084E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.1E-03			
168	8.0753E-07	1.0548E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.81E-10	1,000,000	5.81E-04	8.4E-03			
169	8.0753E-07	9.7893E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.39E-10	1,000,000	5.39E-04	7.8E-03			
170	8.0753E-07	6.7907E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
171	8.0753E-07	4.562E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
172	8.0753E-07	3.2508E-06	2.50E-04	8.14E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
173	8.0753E-07	2.4247E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
174	8.0753E-07	1.8854E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
175	8.0753E-07	1.5153E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.34E-11	1,000,000	8.34E-05	1.2E-03			
176	8.0753E-07	1.2469E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
177	8.0753E-07	4.988E-07	2.50E-04	1.25E-10	14.00	1.57E-02	2.75E-11	1,000,000	2.75E-05	4.0E-04			
178	8.0753E-07	5.9779E-07	2.50E-04	1.50E-10	14.00	1.57E-02	3.29E-11	1,000,000	3.29E-05	4.8E-04			
179	8.0753E-07	7.3456E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.04E-11	1,000,000	4.04E-05	5.9E-04			
180	8.0753E-07	9.1743E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
181	8.0753E-07	1.1442E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.30E-11	1,000,000	6.30E-05	9.1E-04			
182	8.0753E-07	1.4406E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.93E-11	1,000,000	7.93E-05	1.1E-03			
183	8.0753E-07	1.8689E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
184	8.0753E-07	3.099E-05	2.50E-04	7.76E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	8.0753E-07	1.1293E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	9.0E-03			
186	8.0753E-07	6.18E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.9E-03			
187	8.0753E-07	3.9812E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
188	8.0753E-07	2.8176E-06	2.50E-04	7.05E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
189	8.0753E-07	2.1232E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
190	8.0753E-07	1.6682E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			
191	8.0753E-07	1.3513E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.44E-11	1,000,000	7.44E-05	1.1E-03			
192	8.0753E-07	4.6081E-07	2.50E-04	1.15E-10	14.00	1.57E-02	2.54E-11	1,000,000	2.54E-05	3.7E-04			
193	8.0753E-07	5.4818E-07	2.50E-04	1.37E-10	14.00	1.57E-02	3.02E-11	1,000,000	3.02E-05	4.4E-04			
194	8.0753E-07	6.7702E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.73E-11	1,000,000	3.73E-05	5.4E-04			
195	8.0753E-07	8.3802E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.61E-11	1,000,000	4.61E-05	6.7E-04			
196	8.0753E-07	1.0659E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.87E-11	1,000,000	5.87E-05	8.5E-04			
197	8.0753E-07	1.344E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.40E-11	1,000,000	7.40E-05	1.1E-03			
198	8.0753E-07	1.8334E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
199	8.0753E-07	6.5355E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
200	8.0753E-07	5.7553E-05	2.50E-04	1.44E-08	14.00	1.57E-02	3.17E-09	1,000,000	3.17E-03	4.6E-02			
201	8.0753E-07	1.5501E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.53E-10	1,000,000	8.53E-04	1.2E-02			
202	8.0753E-07	7.5274E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
203	8.0753E-07	4.6075E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
204	8.0753E-07	3.1604E-06	2.50E-04	7.91E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
205	8.0753E-07	2.3291E-06	2.50E-04	5.83E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
206	8.0753E-07	1.8014E-06	2.50E-04	4.51E-10	14.00	1.57E-02	9.92E-11	1,000,000	9.92E-05	1.4E-03			
207	8.0753E-07	1.444E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.95E-11	1,000,000	7.95E-05	1.2E-03			
208	8.0753E-07	4.2215E-07	2.50E-04	1.06E-10	14.00	1.57E-02	2.32E-11	1,000,000	2.32E-05	3.4E-04			
209	8.0753E-07	5.0004E-07	2.50E-04	1.25E-10	14.00	1.57E-02	2.75E-11	1,000,000	2.75E-05	4.0E-04			
210	8.0753E-07	5.8374E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.21E-11	1,000,000	3.21E-05	4.6E-04			
211	8.0753E-07	7.3483E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.05E-11	1,000,000	4.05E-05	5.9E-04			
212	8.0753E-07	9.1978E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.06E-11	1,000,000	5.06E-05	7.3E-04			
213	8.0753E-07	1.2104E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			
214	8.0753E-07	1.6742E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
215	8.0753E-07	2.3757E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
216	8.0753E-07	3.9836E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
217	8.0753E-07	7.058E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.89E-10	1,000,000	3.89E-04	5.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	8.0753E-07	7.2582E-05	2.50E-04	1.82E-08	14.00	1.57E-02	4.00E-09	1,000,000	4.00E-03	5.8E-02			
219	8.0753E-07	2.9978E-05	2.50E-04	7.50E-09	14.00	1.57E-02	1.65E-09	1,000,000	1.65E-03	2.4E-02			
220	8.0753E-07	1.3492E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.43E-10	1,000,000	7.43E-04	1.1E-02			
221	8.0753E-07	7.4897E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
222	8.0753E-07	4.7479E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
223	8.0753E-07	3.2928E-06	2.50E-04	8.24E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
224	8.0753E-07	2.4303E-06	2.50E-04	6.08E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
225	8.0753E-07	1.8765E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
226	8.0753E-07	1.5001E-06	2.50E-04	3.75E-10	14.00	1.57E-02	8.26E-11	1,000,000	8.26E-05	1.2E-03			
227	8.0753E-07	3.8298E-07	2.50E-04	9.59E-11	14.00	1.57E-02	2.11E-11	1,000,000	2.11E-05	3.1E-04			
228	8.0753E-07	4.4599E-07	2.50E-04	1.12E-10	14.00	1.57E-02	2.46E-11	1,000,000	2.46E-05	3.6E-04			
229	8.0753E-07	5.2643E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.90E-11	1,000,000	2.90E-05	4.2E-04			
230	8.0753E-07	6.4118E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.53E-11	1,000,000	3.53E-05	5.1E-04			
231	8.0753E-07	8.0267E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.42E-11	1,000,000	4.42E-05	6.4E-04			
232	8.0753E-07	1.0111E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.57E-11	1,000,000	5.57E-05	8.1E-04			
233	8.0753E-07	1.4349E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
234	8.0753E-07	2.0446E-06	2.50E-04	5.12E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
235	8.0753E-07	3.1426E-06	2.50E-04	7.87E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
236	8.0753E-07	5.5026E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
237	8.0753E-07	1.0907E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.01E-10	1,000,000	6.01E-04	8.7E-03			
238	8.0753E-07	2.0483E-05	2.50E-04	5.13E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
239	8.0753E-07	2.591E-05	2.50E-04	6.48E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
240	8.0753E-07	2.2621E-05	2.50E-04	5.66E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
241	8.0753E-07	1.504E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.28E-10	1,000,000	8.28E-04	1.2E-02			
242	8.0753E-07	9.393E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.17E-10	1,000,000	5.17E-04	7.5E-03			
243	8.0753E-07	6.2081E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
244	8.0753E-07	4.3001E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
245	8.0753E-07	3.1292E-06	2.50E-04	7.83E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
246	8.0753E-07	2.3731E-06	2.50E-04	5.94E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
247	8.0753E-07	1.8617E-06	2.50E-04	4.66E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
248	8.0753E-07	1.502E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.27E-11	1,000,000	8.27E-05	1.2E-03			
249	8.0753E-07	3.4838E-07	2.50E-04	8.72E-11	14.00	1.57E-02	1.92E-11	1,000,000	1.92E-05	2.8E-04			
250	8.0753E-07	4.0043E-07	2.50E-04	1.00E-10	14.00	1.57E-02	2.20E-11	1,000,000	2.20E-05	3.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	8.0753E-07	4.6624E-07	2.50E-04	1.17E-10	14.00	1.57E-02	2.57E-11	1,000,000	2.57E-05	3.7E-04			
252	8.0753E-07	5.6586E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.12E-11	1,000,000	3.12E-05	4.5E-04			
253	8.0753E-07	6.9351E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.82E-11	1,000,000	3.82E-05	5.5E-04			
254	8.0753E-07	9.0877E-07	2.50E-04	2.27E-10	14.00	1.57E-02	5.00E-11	1,000,000	5.00E-05	7.2E-04			
255	8.0753E-07	1.1861E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.53E-11	1,000,000	6.53E-05	9.4E-04			
256	8.0753E-07	1.716E-06	2.50E-04	4.29E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			
257	8.0753E-07	2.4221E-06	2.50E-04	6.06E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
258	8.0753E-07	3.5931E-06	2.50E-04	8.99E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
259	8.0753E-07	5.6523E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
260	8.0753E-07	8.4849E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.67E-10	1,000,000	4.67E-04	6.8E-03			
261	8.0753E-07	1.016E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
262	8.0753E-07	9.7151E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.35E-10	1,000,000	5.35E-04	7.7E-03			
263	8.0753E-07	7.9077E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.35E-10	1,000,000	4.35E-04	6.3E-03			
264	8.0753E-07	6.0961E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
265	8.0753E-07	4.6999E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
266	8.0753E-07	3.5639E-06	2.50E-04	8.92E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
267	8.0753E-07	2.7547E-06	2.50E-04	6.89E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
268	8.0753E-07	2.1762E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
269	8.0753E-07	1.7552E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.66E-11	1,000,000	9.66E-05	1.4E-03			
270	8.0753E-07	1.4429E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
271	8.0753E-07	3.1036E-07	2.50E-04	7.77E-11	14.00	1.57E-02	1.71E-11	1,000,000	1.71E-05	2.5E-04			
272	8.0753E-07	3.536E-07	2.50E-04	8.85E-11	14.00	1.57E-02	1.95E-11	1,000,000	1.95E-05	2.8E-04			
273	8.0753E-07	4.1327E-07	2.50E-04	1.03E-10	14.00	1.57E-02	2.28E-11	1,000,000	2.28E-05	3.3E-04			
274	8.0753E-07	4.9047E-07	2.50E-04	1.23E-10	14.00	1.57E-02	2.70E-11	1,000,000	2.70E-05	3.9E-04			
275	8.0753E-07	5.9561E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.28E-11	1,000,000	3.28E-05	4.7E-04			
276	8.0753E-07	7.5429E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.15E-11	1,000,000	4.15E-05	6.0E-04			
277	8.0753E-07	9.7258E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.36E-11	1,000,000	5.36E-05	7.7E-04			
278	8.0753E-07	1.2679E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.98E-11	1,000,000	6.98E-05	1.0E-03			
279	8.0753E-07	1.7439E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
280	8.0753E-07	2.4379E-06	2.50E-04	6.10E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
281	8.0753E-07	3.414E-06	2.50E-04	8.54E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
282	8.0753E-07	4.5237E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
283	8.0753E-07	5.2386E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	8.0753E-07	4.8219E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
285	8.0753E-07	4.5495E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
286	8.0753E-07	3.9638E-06	2.50E-04	9.92E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			
287	8.0753E-07	3.3443E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
288	8.0753E-07	2.7958E-06	2.50E-04	7.00E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
289	8.0753E-07	2.3268E-06	2.50E-04	5.82E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
290	8.0753E-07	1.9091E-06	2.50E-04	4.78E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
291	8.0753E-07	1.5889E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.75E-11	1,000,000	8.75E-05	1.3E-03			
292	8.0753E-07	1.3376E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.36E-11	1,000,000	7.36E-05	1.1E-03			
293	8.0753E-07	2.7904E-07	2.50E-04	6.98E-11	14.00	1.57E-02	1.54E-11	1,000,000	1.54E-05	2.2E-04			
294	8.0753E-07	3.1817E-07	2.50E-04	7.96E-11	14.00	1.57E-02	1.75E-11	1,000,000	1.75E-05	2.5E-04			
295	8.0753E-07	3.6686E-07	2.50E-04	9.18E-11	14.00	1.57E-02	2.02E-11	1,000,000	2.02E-05	2.9E-04			
296	8.0753E-07	4.2605E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.35E-11	1,000,000	2.35E-05	3.4E-04			
297	8.0753E-07	5.1547E-07	2.50E-04	1.29E-10	14.00	1.57E-02	2.84E-11	1,000,000	2.84E-05	4.1E-04			
298	8.0753E-07	6.2898E-07	2.50E-04	1.57E-10	14.00	1.57E-02	3.46E-11	1,000,000	3.46E-05	5.0E-04			
299	8.0753E-07	7.8441E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.32E-11	1,000,000	4.32E-05	6.2E-04			
300	8.0753E-07	1.0194E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.61E-11	1,000,000	5.61E-05	8.1E-04			
301	8.0753E-07	1.2705E-06	2.50E-04	3.18E-10	14.00	1.57E-02	7.00E-11	1,000,000	7.00E-05	1.0E-03			
302	8.0753E-07	1.6982E-06	2.50E-04	4.25E-10	14.00	1.57E-02	9.35E-11	1,000,000	9.35E-05	1.4E-03			
303	8.0753E-07	2.2102E-06	2.50E-04	5.53E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
304	8.0753E-07	2.7751E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
305	8.0753E-07	3.0546E-06	2.50E-04	7.64E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
306	8.0753E-07	2.9612E-06	2.50E-04	7.41E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
307	8.0753E-07	2.8278E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
308	8.0753E-07	2.5955E-06	2.50E-04	6.50E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
309	8.0753E-07	2.4838E-06	2.50E-04	6.22E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
310	8.0753E-07	2.1634E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
311	8.0753E-07	1.8909E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
312	8.0753E-07	1.6369E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.01E-11	1,000,000	9.01E-05	1.3E-03			
313	8.0753E-07	1.4136E-06	2.50E-04	3.54E-10	14.00	1.57E-02	7.78E-11	1,000,000	7.78E-05	1.1E-03			
314	8.0753E-07	1.2276E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
315	8.0753E-07	2.4708E-07	2.50E-04	6.18E-11	14.00	1.57E-02	1.36E-11	1,000,000	1.36E-05	2.0E-04			
316	8.0753E-07	2.8124E-07	2.50E-04	7.04E-11	14.00	1.57E-02	1.55E-11	1,000,000	1.55E-05	2.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	8.0753E-07	3.2151E-07	2.50E-04	8.05E-11	14.00	1.57E-02	1.77E-11	1,000,000	1.77E-05	2.6E-04			
318	8.0753E-07	3.6973E-07	2.50E-04	9.25E-11	14.00	1.57E-02	2.04E-11	1,000,000	2.04E-05	2.9E-04			
319	8.0753E-07	4.2682E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.35E-11	1,000,000	2.35E-05	3.4E-04			
320	8.0753E-07	5.2938E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.91E-11	1,000,000	2.91E-05	4.2E-04			
321	8.0753E-07	6.3231E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04			
322	8.0753E-07	7.7802E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.28E-11	1,000,000	4.28E-05	6.2E-04			
323	8.0753E-07	9.8525E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.42E-11	1,000,000	5.42E-05	7.8E-04			
324	8.0753E-07	1.2256E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
325	8.0753E-07	1.5126E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.33E-11	1,000,000	8.33E-05	1.2E-03			
326	8.0753E-07	1.8327E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
327	8.0753E-07	2.3214E-06	2.50E-04	5.81E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
328	8.0753E-07	1.942E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
329	8.0753E-07	1.8822E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
330	8.0753E-07	1.8278E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
331	8.0753E-07	1.7546E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.66E-11	1,000,000	9.66E-05	1.4E-03			
332	8.0753E-07	1.6579E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.13E-11	1,000,000	9.13E-05	1.3E-03			
333	8.0753E-07	1.5138E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.34E-11	1,000,000	8.34E-05	1.2E-03			
334	8.0753E-07	1.3737E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.56E-11	1,000,000	7.56E-05	1.1E-03			
335	8.0753E-07	1.2233E-06	2.50E-04	3.06E-10	14.00	1.57E-02	6.74E-11	1,000,000	6.74E-05	9.7E-04			
336	8.0753E-07	1.0884E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.99E-11	1,000,000	5.99E-05	8.7E-04			
337	8.0753E-07	2.2438E-07	2.50E-04	5.62E-11	14.00	1.57E-02	1.24E-11	1,000,000	1.24E-05	1.8E-04			
338	8.0753E-07	2.5158E-07	2.50E-04	6.30E-11	14.00	1.57E-02	1.39E-11	1,000,000	1.39E-05	2.0E-04			
339	8.0753E-07	2.8099E-07	2.50E-04	7.03E-11	14.00	1.57E-02	1.55E-11	1,000,000	1.55E-05	2.2E-04			
340	8.0753E-07	3.2403E-07	2.50E-04	8.11E-11	14.00	1.57E-02	1.78E-11	1,000,000	1.78E-05	2.6E-04			
341	8.0753E-07	3.688E-07	2.50E-04	9.23E-11	14.00	1.57E-02	2.03E-11	1,000,000	2.03E-05	2.9E-04			
342	8.0753E-07	4.4486E-07	2.50E-04	1.11E-10	14.00	1.57E-02	2.45E-11	1,000,000	2.45E-05	3.5E-04			
343	8.0753E-07	5.1577E-07	2.50E-04	1.29E-10	14.00	1.57E-02	2.84E-11	1,000,000	2.84E-05	4.1E-04			
344	8.0753E-07	6.2058E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.42E-11	1,000,000	3.42E-05	4.9E-04			
345	8.0753E-07	7.5112E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.14E-11	1,000,000	4.14E-05	6.0E-04			
346	8.0753E-07	9.2554E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.10E-11	1,000,000	5.10E-05	7.4E-04			
347	8.0753E-07	1.0808E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.95E-11	1,000,000	5.95E-05	8.6E-04			
348	8.0753E-07	1.2494E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.88E-11	1,000,000	6.88E-05	1.0E-03			
349	8.0753E-07	1.2287E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.77E-11	1,000,000	6.77E-05	9.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	8.0753E-07	1.2772E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.03E-11	1,000,000	7.03E-05	1.0E-03			
351	8.0753E-07	1.298E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
352	8.0753E-07	1.2371E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.81E-11	1,000,000	6.81E-05	9.9E-04			
353	8.0753E-07	1.2753E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.02E-11	1,000,000	7.02E-05	1.0E-03			
354	8.0753E-07	1.2197E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.72E-11	1,000,000	6.72E-05	9.7E-04			
355	8.0753E-07	1.1832E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.51E-11	1,000,000	6.51E-05	9.4E-04			
356	8.0753E-07	1.1278E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.21E-11	1,000,000	6.21E-05	9.0E-04			
357	8.0753E-07	1.0471E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.77E-11	1,000,000	5.77E-05	8.3E-04			
358	8.0753E-07	9.701E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.34E-11	1,000,000	5.34E-05	7.7E-04			
359	8.0753E-07	1.9958E-07	2.50E-04	4.99E-11	14.00	1.57E-02	1.10E-11	1,000,000	1.10E-05	1.6E-04			
360	8.0753E-07	2.2326E-07	2.50E-04	5.59E-11	14.00	1.57E-02	1.23E-11	1,000,000	1.23E-05	1.8E-04			
361	8.0753E-07	2.4895E-07	2.50E-04	6.23E-11	14.00	1.57E-02	1.37E-11	1,000,000	1.37E-05	2.0E-04			
362	8.0753E-07	2.7944E-07	2.50E-04	6.99E-11	14.00	1.57E-02	1.54E-11	1,000,000	1.54E-05	2.2E-04			
363	8.0753E-07	3.1313E-07	2.50E-04	7.84E-11	14.00	1.57E-02	1.72E-11	1,000,000	1.72E-05	2.5E-04			
364	8.0753E-07	3.6456E-07	2.50E-04	9.12E-11	14.00	1.57E-02	2.01E-11	1,000,000	2.01E-05	2.9E-04			
365	8.0753E-07	4.258E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.34E-11	1,000,000	2.34E-05	3.4E-04			
366	8.0753E-07	5.0323E-07	2.50E-04	1.26E-10	14.00	1.57E-02	2.77E-11	1,000,000	2.77E-05	4.0E-04			
367	8.0753E-07	6.0669E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.34E-11	1,000,000	3.34E-05	4.8E-04			
368	8.0753E-07	7.0542E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
369	8.0753E-07	7.8887E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.34E-11	1,000,000	4.34E-05	6.3E-04			
370	8.0753E-07	8.4478E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.65E-11	1,000,000	4.65E-05	6.7E-04			
371	8.0753E-07	9.1029E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.01E-11	1,000,000	5.01E-05	7.3E-04			
372	8.0753E-07	9.4146E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.18E-11	1,000,000	5.18E-05	7.5E-04			
373	8.0753E-07	9.2559E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.10E-11	1,000,000	5.10E-05	7.4E-04			
374	8.0753E-07	8.9628E-07	2.50E-04	2.24E-10	14.00	1.57E-02	4.93E-11	1,000,000	4.93E-05	7.1E-04			
375	8.0753E-07	9.2264E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.08E-11	1,000,000	5.08E-05	7.3E-04			
376	8.0753E-07	9.0352E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.97E-11	1,000,000	4.97E-05	7.2E-04			
377	8.0753E-07	8.9873E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
378	8.0753E-07	9.1568E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.04E-11	1,000,000	5.04E-05	7.3E-04			
379	8.0753E-07	8.8105E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
380	8.0753E-07	8.2133E-07	2.50E-04	2.06E-10	14.00	1.57E-02	4.52E-11	1,000,000	4.52E-05	6.5E-04			
381	8.0753E-07	6.1217E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.37E-11	1,000,000	3.37E-05	4.9E-04			
382	8.0753E-07	6.8274E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.76E-11	1,000,000	3.76E-05	5.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	8.0753E-07	7.6411E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.21E-11	1,000,000	4.21E-05	6.1E-04			
384	8.0753E-07	8.5748E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
385	8.0753E-07	9.6372E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.31E-11	1,000,000	5.31E-05	7.7E-04			
386	8.0753E-07	1.082E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
387	8.0753E-07	1.2097E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			
388	8.0753E-07	1.343E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.39E-11	1,000,000	7.39E-05	1.1E-03			
389	8.0753E-07	1.4727E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.11E-11	1,000,000	8.11E-05	1.2E-03			
390	8.0753E-07	1.5866E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.74E-11	1,000,000	8.74E-05	1.3E-03			
391	8.0753E-07	1.6692E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			
392	8.0753E-07	1.7064E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.40E-11	1,000,000	9.40E-05	1.4E-03			
393	8.0753E-07	1.6886E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.30E-11	1,000,000	9.30E-05	1.3E-03			
394	8.0753E-07	1.6197E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.92E-11	1,000,000	8.92E-05	1.3E-03			
395	8.0753E-07	1.5053E-06	2.50E-04	3.77E-10	14.00	1.57E-02	8.29E-11	1,000,000	8.29E-05	1.2E-03			
396	8.0753E-07	1.3689E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.54E-11	1,000,000	7.54E-05	1.1E-03			
397	8.0753E-07	1.2269E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
398	8.0753E-07	1.0898E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.00E-11	1,000,000	6.00E-05	8.7E-04			
399	8.0753E-07	6.5545E-07	2.50E-04	1.64E-10	14.00	1.57E-02	3.61E-11	1,000,000	3.61E-05	5.2E-04			
400	8.0753E-07	7.3857E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
401	8.0753E-07	8.3685E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.61E-11	1,000,000	4.61E-05	6.7E-04			
402	8.0753E-07	9.5293E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.25E-11	1,000,000	5.25E-05	7.6E-04			
403	8.0753E-07	1.0891E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.00E-11	1,000,000	6.00E-05	8.7E-04			
404	8.0753E-07	1.2463E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			
405	8.0753E-07	1.4247E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.84E-11	1,000,000	7.84E-05	1.1E-03			
406	8.0753E-07	1.6197E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.92E-11	1,000,000	8.92E-05	1.3E-03			
407	8.0753E-07	1.8196E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
408	8.0753E-07	2.0064E-06	2.50E-04	5.02E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
409	8.0753E-07	2.1488E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
410	8.0753E-07	2.2152E-06	2.50E-04	5.54E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
411	8.0753E-07	2.1914E-06	2.50E-04	5.48E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
412	8.0753E-07	2.0765E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
413	8.0753E-07	1.8886E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
414	8.0753E-07	1.6727E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
415	8.0753E-07	1.4577E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.03E-11	1,000,000	8.03E-05	1.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	8.0753E-07	1.2589E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
417	8.0753E-07	6.9483E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.83E-11	1,000,000	3.83E-05	5.5E-04			
418	8.0753E-07	7.9463E-07	2.50E-04	1.99E-10	14.00	1.57E-02	4.38E-11	1,000,000	4.38E-05	6.3E-04			
419	8.0753E-07	9.1195E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.02E-11	1,000,000	5.02E-05	7.3E-04			
420	8.0753E-07	1.0549E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
421	8.0753E-07	1.2291E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.77E-11	1,000,000	6.77E-05	9.8E-04			
422	8.0753E-07	1.4406E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.93E-11	1,000,000	7.93E-05	1.1E-03			
423	8.0753E-07	1.6933E-06	2.50E-04	4.24E-10	14.00	1.57E-02	9.32E-11	1,000,000	9.32E-05	1.3E-03			
424	8.0753E-07	1.9853E-06	2.50E-04	4.97E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
425	8.0753E-07	2.3022E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
426	8.0753E-07	2.6193E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
427	8.0753E-07	2.8787E-06	2.50E-04	7.20E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
428	8.0753E-07	3.0233E-06	2.50E-04	7.57E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
429	8.0753E-07	2.9912E-06	2.50E-04	7.49E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
430	8.0753E-07	2.7731E-06	2.50E-04	6.94E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
431	8.0753E-07	2.4392E-06	2.50E-04	6.10E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
432	8.0753E-07	2.0782E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
433	8.0753E-07	1.7537E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.66E-11	1,000,000	9.66E-05	1.4E-03			
434	8.0753E-07	1.4706E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.10E-11	1,000,000	8.10E-05	1.2E-03			
435	8.0753E-07	7.0974E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.91E-11	1,000,000	3.91E-05	5.7E-04			
436	8.0753E-07	8.2608E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.55E-11	1,000,000	4.55E-05	6.6E-04			
437	8.0753E-07	9.7733E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.38E-11	1,000,000	5.38E-05	7.8E-04			
438	8.0753E-07	1.1598E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
439	8.0753E-07	1.38E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.60E-11	1,000,000	7.60E-05	1.1E-03			
440	8.0753E-07	1.6611E-06	2.50E-04	4.16E-10	14.00	1.57E-02	9.15E-11	1,000,000	9.15E-05	1.3E-03			
441	8.0753E-07	2.0186E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
442	8.0753E-07	2.4635E-06	2.50E-04	6.17E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
443	8.0753E-07	2.9906E-06	2.50E-04	7.48E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
444	8.0753E-07	3.5599E-06	2.50E-04	8.91E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
445	8.0753E-07	4.0857E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
446	8.0753E-07	4.4304E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
447	8.0753E-07	4.4082E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
448	8.0753E-07	3.9454E-06	2.50E-04	9.87E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	8.0753E-07	3.2786E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
450	8.0753E-07	2.6385E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
451	8.0753E-07	2.1045E-06	2.50E-04	5.27E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
452	8.0753E-07	1.7092E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
453	8.0753E-07	6.9794E-07	2.50E-04	1.75E-10	14.00	1.57E-02	3.84E-11	1,000,000	3.84E-05	5.6E-04			
454	8.0753E-07	8.3572E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.60E-11	1,000,000	4.60E-05	6.7E-04			
455	8.0753E-07	1.018E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.60E-11	1,000,000	5.60E-05	8.1E-04			
456	8.0753E-07	1.2399E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.83E-11	1,000,000	6.83E-05	9.9E-04			
457	8.0753E-07	1.5326E-06	2.50E-04	3.84E-10	14.00	1.57E-02	8.44E-11	1,000,000	8.44E-05	1.2E-03			
458	8.0753E-07	1.8995E-06	2.50E-04	4.75E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
459	8.0753E-07	2.4011E-06	2.50E-04	6.01E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
460	8.0753E-07	3.0847E-06	2.50E-04	7.72E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
461	8.0753E-07	3.9842E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
462	8.0753E-07	5.0754E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
463	8.0753E-07	6.2424E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.44E-10	1,000,000	3.44E-04	5.0E-03			
464	8.0753E-07	7.241E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
465	8.0753E-07	7.423E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
466	8.0753E-07	6.2206E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
467	8.0753E-07	4.6099E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
468	8.0753E-07	3.3777E-06	2.50E-04	8.45E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
469	8.0753E-07	2.5451E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
470	8.0753E-07	1.9814E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
471	8.0753E-07	6.5663E-07	2.50E-04	1.64E-10	14.00	1.57E-02	3.62E-11	1,000,000	3.62E-05	5.2E-04			
472	8.0753E-07	8.168E-07	2.50E-04	2.04E-10	14.00	1.57E-02	4.50E-11	1,000,000	4.50E-05	6.5E-04			
473	8.0753E-07	1.0086E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
474	8.0753E-07	1.2592E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
475	8.0753E-07	1.5818E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
476	8.0753E-07	1.1685E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.43E-10	1,000,000	6.43E-04	9.3E-03			
477	8.0753E-07	6.6861E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.68E-10	1,000,000	3.68E-04	5.3E-03			
478	8.0753E-07	4.3499E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
479	8.0753E-07	3.06E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
480	8.0753E-07	2.2794E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
481	8.0753E-07	6.234E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.43E-11	1,000,000	3.43E-05	5.0E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	8.0753E-07	7.7407E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.26E-11	1,000,000	4.26E-05	6.2E-04			
483	8.0753E-07	9.3956E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.17E-11	1,000,000	5.17E-05	7.5E-04			
484	8.0753E-07	1.1808E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.50E-11	1,000,000	6.50E-05	9.4E-04			
485	8.0753E-07	1.6093E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.86E-11	1,000,000	8.86E-05	1.3E-03			
486	8.0753E-07	2.4538E-05	2.50E-04	6.14E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
487	8.0753E-07	9.5119E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.24E-10	1,000,000	5.24E-04	7.6E-03			
488	8.0753E-07	5.3908E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
489	8.0753E-07	3.5754E-06	2.50E-04	8.95E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
490	8.0753E-07	2.5748E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
491	8.0753E-07	5.6851E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.13E-11	1,000,000	3.13E-05	4.5E-04			
492	8.0753E-07	7.0142E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.86E-11	1,000,000	3.86E-05	5.6E-04			
493	8.0753E-07	8.5504E-07	2.50E-04	2.14E-10	14.00	1.57E-02	4.71E-11	1,000,000	4.71E-05	6.8E-04			
494	8.0753E-07	1.0969E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.04E-11	1,000,000	6.04E-05	8.7E-04			
495	8.0753E-07	1.4747E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.12E-11	1,000,000	8.12E-05	1.2E-03			
496	8.0753E-07	5.2303E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
497	8.0753E-07	1.016E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
498	8.0753E-07	9.0823E-05	2.50E-04	2.27E-08	14.00	1.57E-02	5.00E-09	1,000,000	5.00E-03	7.2E-02			
499	8.0753E-07	2.363E-05	2.50E-04	5.91E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
500	8.0753E-07	1.0464E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
501	8.0753E-07	5.9632E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
502	8.0753E-07	3.8987E-06	2.50E-04	9.76E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
503	8.0753E-07	2.7763E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
504	8.0753E-07	5.1283E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.82E-11	1,000,000	2.82E-05	4.1E-04			
505	8.0753E-07	6.0645E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.34E-11	1,000,000	3.34E-05	4.8E-04			
506	8.0753E-07	7.7673E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.28E-11	1,000,000	4.28E-05	6.2E-04			
507	8.0753E-07	9.6288E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.30E-11	1,000,000	5.30E-05	7.7E-04			
508	8.0753E-07	1.3358E-06	2.50E-04	3.34E-10	14.00	1.57E-02	7.35E-11	1,000,000	7.35E-05	1.1E-03			
509	8.0753E-07	1.8424E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
510	8.0753E-07	2.7118E-06	2.50E-04	6.79E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
511	8.0753E-07	4.5937E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
512	8.0753E-07	9.4154E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
513	8.0753E-07	2.7545E-05	2.50E-04	6.89E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
514	8.0753E-07	5.1499E-05	2.50E-04	1.29E-08	14.00	1.57E-02	2.84E-09	1,000,000	2.84E-03	4.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	8.0753E-07	5.2587E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.90E-09	1,000,000	2.90E-03	4.2E-02			
516	8.0753E-07	3.011E-05	2.50E-04	7.54E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
517	8.0753E-07	1.5368E-05	2.50E-04	3.85E-09	14.00	1.57E-02	8.46E-10	1,000,000	8.46E-04	1.2E-02			
518	8.0753E-07	8.8083E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.85E-10	1,000,000	4.85E-04	7.0E-03			
519	8.0753E-07	5.5826E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
520	8.0753E-07	3.8276E-06	2.50E-04	9.58E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
521	8.0753E-07	2.7876E-06	2.50E-04	6.98E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
522	8.0753E-07	4.5545E-07	2.50E-04	1.14E-10	14.00	1.57E-02	2.51E-11	1,000,000	2.51E-05	3.6E-04			
523	8.0753E-07	5.52E-07	2.50E-04	1.38E-10	14.00	1.57E-02	3.04E-11	1,000,000	3.04E-05	4.4E-04			
524	8.0753E-07	6.7985E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.74E-11	1,000,000	3.74E-05	5.4E-04			
525	8.0753E-07	8.4985E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
526	8.0753E-07	1.0627E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.85E-11	1,000,000	5.85E-05	8.5E-04			
527	8.0753E-07	1.5594E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.59E-11	1,000,000	8.59E-05	1.2E-03			
528	8.0753E-07	2.2464E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
529	8.0753E-07	3.4602E-06	2.50E-04	8.66E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
530	8.0753E-07	5.9126E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.26E-10	1,000,000	3.26E-04	4.7E-03			
531	8.0753E-07	1.011E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.57E-10	1,000,000	5.57E-04	8.1E-03			
532	8.0753E-07	1.4314E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.88E-10	1,000,000	7.88E-04	1.1E-02			
533	8.0753E-07	1.5327E-05	2.50E-04	3.84E-09	14.00	1.57E-02	8.44E-10	1,000,000	8.44E-04	1.2E-02			
534	8.0753E-07	1.2529E-05	2.50E-04	3.14E-09	14.00	1.57E-02	6.90E-10	1,000,000	6.90E-04	1.0E-02			
535	8.0753E-07	9.1138E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.02E-10	1,000,000	5.02E-04	7.3E-03			
536	8.0753E-07	6.4492E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
537	8.0753E-07	4.6113E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
538	8.0753E-07	3.4025E-06	2.50E-04	8.52E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
539	8.0753E-07	2.5923E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
540	8.0753E-07	4.0543E-07	2.50E-04	1.01E-10	14.00	1.57E-02	2.23E-11	1,000,000	2.23E-05	3.2E-04			
541	8.0753E-07	4.8565E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.67E-11	1,000,000	2.67E-05	3.9E-04			
542	8.0753E-07	5.8919E-07	2.50E-04	1.47E-10	14.00	1.57E-02	3.24E-11	1,000,000	3.24E-05	4.7E-04			
543	8.0753E-07	7.2974E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.02E-11	1,000,000	4.02E-05	5.8E-04			
544	8.0753E-07	9.5445E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.26E-11	1,000,000	5.26E-05	7.6E-04			
545	8.0753E-07	1.2392E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.82E-11	1,000,000	6.82E-05	9.9E-04			
546	8.0753E-07	1.7323E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.54E-11	1,000,000	9.54E-05	1.4E-03			
547	8.0753E-07	2.4577E-06	2.50E-04	6.15E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	8.0753E-07	3.6542E-06	2.50E-04	9.15E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
549	8.0753E-07	5.1197E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
550	8.0753E-07	6.8214E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.76E-10	1,000,000	3.76E-04	5.4E-03			
551	8.0753E-07	7.6081E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.19E-10	1,000,000	4.19E-04	6.1E-03			
552	8.0753E-07	6.5658E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.62E-10	1,000,000	3.62E-04	5.2E-03			
553	8.0753E-07	5.436E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
554	8.0753E-07	4.3811E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
555	8.0753E-07	3.5931E-06	2.50E-04	8.99E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
556	8.0753E-07	2.8399E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
557	8.0753E-07	2.2741E-06	2.50E-04	5.69E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
558	8.0753E-07	3.625E-07	2.50E-04	9.07E-11	14.00	1.57E-02	2.00E-11	1,000,000	2.00E-05	2.9E-04			
559	8.0753E-07	4.3062E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04			
560	8.0753E-07	5.0457E-07	2.50E-04	1.26E-10	14.00	1.57E-02	2.78E-11	1,000,000	2.78E-05	4.0E-04			
561	8.0753E-07	6.1939E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.41E-11	1,000,000	3.41E-05	4.9E-04			
562	8.0753E-07	7.5672E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
563	8.0753E-07	9.6351E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.31E-11	1,000,000	5.31E-05	7.7E-04			
564	8.0753E-07	1.3058E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.19E-11	1,000,000	7.19E-05	1.0E-03			
565	8.0753E-07	1.719E-06	2.50E-04	4.30E-10	14.00	1.57E-02	9.47E-11	1,000,000	9.47E-05	1.4E-03			
566	8.0753E-07	2.3931E-06	2.50E-04	5.99E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
567	8.0753E-07	3.092E-06	2.50E-04	7.74E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
568	8.0753E-07	3.8447E-06	2.50E-04	9.62E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
569	8.0753E-07	3.7837E-06	2.50E-04	9.47E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
570	8.0753E-07	3.5892E-06	2.50E-04	8.98E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
571	8.0753E-07	3.3951E-06	2.50E-04	8.50E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
572	8.0753E-07	3.1001E-06	2.50E-04	7.76E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
573	8.0753E-07	2.6634E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
574	8.0753E-07	2.2752E-06	2.50E-04	5.69E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
575	8.0753E-07	1.9335E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	8.96E-08		1.816E-05	498 Res
2	5	9.75E-08			
3	5	1.06E-07			
4	5	1.16E-07			
5	5	1.26E-07			
6	5	1.37E-07			
7	5	1.49E-07			
8	5	1.61E-07			
9	5	1.72E-07			
10	5	1.83E-07			
11	5	1.93E-07			
12	5	1.99E-07			
13	5	2.03E-07			
14	5	2.04E-07			
15	5	2.00E-07			
16	5	1.93E-07			
17	5	1.84E-07			
18	5	1.73E-07			
19	5	1.61E-07			
20	5	1.49E-07			
21	5	1.37E-07			
22	5	1.25E-07			
23	5	9.56E-08			
24	5	1.05E-07			
25	5	1.15E-07			
26	5	1.26E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	1.39E-07			
28	5	1.53E-07			
29	5	1.68E-07			
30	5	1.84E-07			
31	5	2.00E-07			
32	5	2.15E-07			
33	5	2.29E-07			
34	5	2.39E-07			
35	5	2.45E-07			
36	5	2.46E-07			
37	5	2.40E-07			
38	5	2.31E-07			
39	5	2.18E-07			
40	5	2.02E-07			
41	5	1.85E-07			
42	5	1.69E-07			
43	5	1.53E-07			
44	5	1.39E-07			
45	5	1.02E-07			
46	5	1.12E-07			
47	5	1.24E-07			
48	5	1.38E-07			
49	5	1.54E-07			
50	5	1.72E-07			
51	5	1.91E-07			
52	5	2.13E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	2.35E-07			
54	5	2.57E-07			
55	5	2.76E-07			
56	5	2.92E-07			
57	5	3.02E-07			
58	5	3.04E-07			
59	5	2.96E-07			
60	5	2.81E-07			
61	5	2.61E-07			
62	5	2.38E-07			
63	5	2.15E-07			
64	5	1.92E-07			
65	5	1.72E-07			
66	5	1.54E-07			
67	5	1.08E-07			
68	5	1.20E-07			
69	5	1.34E-07			
70	5	1.51E-07			
71	5	1.70E-07			
72	5	1.92E-07			
73	5	2.18E-07			
74	5	2.47E-07			
75	5	2.78E-07			
76	5	3.11E-07			
77	5	3.42E-07			
78	5	3.68E-07			
79	5	3.84E-07			
80	5	3.87E-07			
81	5	3.75E-07			
82	5	3.52E-07			
83	5	3.20E-07			
84	5	2.85E-07			
85	5	2.50E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	2.20E-07			
87	5	1.93E-07			
88	5	1.70E-07			
89	5	1.14E-07			
90	5	1.28E-07			
91	5	1.44E-07			
92	5	1.64E-07			
93	5	1.87E-07			
94	5	2.15E-07			
95	5	2.49E-07			
96	5	2.89E-07			
97	5	3.34E-07			
98	5	3.83E-07			
99	5	4.33E-07			
100	5	4.77E-07			
101	5	5.07E-07			
102	5	5.14E-07			
103	5	4.95E-07			
104	5	4.53E-07			
105	5	4.00E-07			
106	5	3.45E-07			
107	5	2.95E-07			
108	5	2.52E-07			
109	5	2.17E-07			
110	5	1.88E-07			
111	5	1.16E-07			
112	5	1.33E-07			
113	5	1.51E-07			
114	5	1.73E-07			
115	5	2.05E-07			
116	5	2.40E-07			
117	5	2.84E-07			
118	5	3.38E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	4.04E-07			
120	5	4.82E-07			
121	5	5.66E-07			
122	5	6.46E-07			
123	5	7.07E-07			
124	5	7.27E-07			
125	5	6.93E-07			
126	5	6.11E-07			
127	5	5.14E-07			
128	5	4.24E-07			
129	5	3.49E-07			
130	5	2.90E-07			
131	5	2.44E-07			
132	5	2.08E-07			
133	5	1.15E-07			
134	5	1.33E-07			
135	5	1.53E-07			
136	5	1.83E-07			
137	5	2.22E-07			
138	5	2.65E-07			
139	5	3.21E-07			
140	5	3.95E-07			
141	5	4.92E-07			
142	5	6.16E-07			
143	5	7.65E-07			
144	5	9.24E-07			
145	5	1.06E-06			
146	5	1.13E-06			
147	5	1.06E-06			
148	5	8.74E-07			
149	5	6.80E-07			
150	5	5.24E-07			
151	5	4.12E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	3.31E-07			
153	5	2.72E-07			
154	5	2.28E-07			
155	5	1.04E-07			
156	5	1.22E-07			
157	5	1.52E-07			
158	5	1.80E-07			
159	5	2.25E-07			
160	5	2.79E-07			
161	5	3.50E-07			
162	5	4.57E-07			
163	5	5.99E-07			
164	5	8.01E-07			
165	5	1.08E-06			
166	5	1.41E-06			
167	5	1.78E-06			
168	5	2.11E-06			
169	5	1.96E-06			
170	5	1.36E-06			
171	5	9.12E-07			
172	5	6.50E-07			
173	5	4.85E-07			
174	5	3.77E-07			
175	5	3.03E-07			
176	5	2.49E-07			
177	5	9.98E-08			
178	5	1.20E-07			
179	5	1.47E-07			
180	5	1.83E-07			
181	5	2.29E-07			
182	5	2.88E-07			
183	5	3.74E-07			
184	5	6.20E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	2.26E-06			
186	5	1.24E-06			
187	5	7.96E-07			
188	5	5.64E-07			
189	5	4.25E-07			
190	5	3.34E-07			
191	5	2.70E-07			
192	5	9.22E-08			
193	5	1.10E-07			
194	5	1.35E-07			
195	5	1.68E-07			
196	5	2.13E-07			
197	5	2.69E-07			
198	5	3.67E-07			
199	5	1.31E-06			
200	5	1.15E-05			
201	5	3.10E-06			
202	5	1.51E-06			
203	5	9.22E-07			
204	5	6.32E-07			
205	5	4.66E-07			
206	5	3.60E-07			
207	5	2.89E-07			
208	5	8.44E-08			
209	5	1.00E-07			
210	5	1.17E-07			
211	5	1.47E-07			
212	5	1.84E-07			
213	5	2.42E-07			
214	5	3.35E-07			
215	5	4.75E-07			
216	5	7.97E-07			
217	5	1.41E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.45E-05			
219	5	6.00E-06			
220	5	2.70E-06			
221	5	1.50E-06			
222	5	9.50E-07			
223	5	6.59E-07			
224	5	4.86E-07			
225	5	3.75E-07			
226	5	3.00E-07			
227	5	7.66E-08			
228	5	8.92E-08			
229	5	1.05E-07			
230	5	1.28E-07			
231	5	1.61E-07			
232	5	2.02E-07			
233	5	2.87E-07			
234	5	4.09E-07			
235	5	6.29E-07			
236	5	1.10E-06			
237	5	2.18E-06			
238	5	4.10E-06			
239	5	5.18E-06			
240	5	4.52E-06			
241	5	3.01E-06			
242	5	1.88E-06			
243	5	1.24E-06			
244	5	8.60E-07			
245	5	6.26E-07			
246	5	4.75E-07			
247	5	3.72E-07			
248	5	3.00E-07			
249	5	6.97E-08			
250	5	8.01E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	9.32E-08			
252	5	1.13E-07			
253	5	1.39E-07			
254	5	1.82E-07			
255	5	2.37E-07			
256	5	3.43E-07			
257	5	4.84E-07			
258	5	7.19E-07			
259	5	1.13E-06			
260	5	1.70E-06			
261	5	2.03E-06			
262	5	1.94E-06			
263	5	1.58E-06			
264	5	1.22E-06			
265	5	9.40E-07			
266	5	7.13E-07			
267	5	5.51E-07			
268	5	4.35E-07			
269	5	3.51E-07			
270	5	2.89E-07			
271	5	6.21E-08			
272	5	7.07E-08			
273	5	8.27E-08			
274	5	9.81E-08			
275	5	1.19E-07			
276	5	1.51E-07			
277	5	1.95E-07			
278	5	2.54E-07			
279	5	3.49E-07			
280	5	4.88E-07			
281	5	6.83E-07			
282	5	9.05E-07			
283	5	1.05E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	9.64E-07			
285	5	9.10E-07			
286	5	7.93E-07			
287	5	6.69E-07			
288	5	5.59E-07			
289	5	4.65E-07			
290	5	3.82E-07			
291	5	3.18E-07			
292	5	2.68E-07			
293	5	5.58E-08			
294	5	6.36E-08			
295	5	7.34E-08			
296	5	8.52E-08			
297	5	1.03E-07			
298	5	1.26E-07			
299	5	1.57E-07			
300	5	2.04E-07			
301	5	2.54E-07			
302	5	3.40E-07			
303	5	4.42E-07			
304	5	5.55E-07			
305	5	6.11E-07			
306	5	5.92E-07			
307	5	5.66E-07			
308	5	5.19E-07			
309	5	4.97E-07			
310	5	4.33E-07			
311	5	3.78E-07			
312	5	3.27E-07			
313	5	2.83E-07			
314	5	2.46E-07			
315	5	4.94E-08			
316	5	5.62E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	6.43E-08			
318	5	7.39E-08			
319	5	8.54E-08			
320	5	1.06E-07			
321	5	1.26E-07			
322	5	1.56E-07			
323	5	1.97E-07			
324	5	2.45E-07			
325	5	3.03E-07			
326	5	3.67E-07			
327	5	4.64E-07			
328	5	3.88E-07			
329	5	3.76E-07			
330	5	3.66E-07			
331	5	3.51E-07			
332	5	3.32E-07			
333	5	3.03E-07			
334	5	2.75E-07			
335	5	2.45E-07			
336	5	2.18E-07			
337	5	4.49E-08			
338	5	5.03E-08			
339	5	5.62E-08			
340	5	6.48E-08			
341	5	7.38E-08			
342	5	8.90E-08			
343	5	1.03E-07			
344	5	1.24E-07			
345	5	1.50E-07			
346	5	1.85E-07			
347	5	2.16E-07			
348	5	2.50E-07			
349	5	2.46E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	2.55E-07			
351	5	2.60E-07			
352	5	2.47E-07			
353	5	2.55E-07			
354	5	2.44E-07			
355	5	2.37E-07			
356	5	2.26E-07			
357	5	2.09E-07			
358	5	1.94E-07			
359	5	3.99E-08			
360	5	4.47E-08			
361	5	4.98E-08			
362	5	5.59E-08			
363	5	6.26E-08			
364	5	7.29E-08			
365	5	8.52E-08			
366	5	1.01E-07			
367	5	1.21E-07			
368	5	1.41E-07			
369	5	1.58E-07			
370	5	1.69E-07			
371	5	1.82E-07			
372	5	1.88E-07			
373	5	1.85E-07			
374	5	1.79E-07			
375	5	1.85E-07			
376	5	1.81E-07			
377	5	1.80E-07			
378	5	1.83E-07			
379	5	1.76E-07			
380	5	1.64E-07			
381	5	1.22E-07			
382	5	1.37E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	1.53E-07			
384	5	1.71E-07			
385	5	1.93E-07			
386	5	2.16E-07			
387	5	2.42E-07			
388	5	2.69E-07			
389	5	2.95E-07			
390	5	3.17E-07			
391	5	3.34E-07			
392	5	3.41E-07			
393	5	3.38E-07			
394	5	3.24E-07			
395	5	3.01E-07			
396	5	2.74E-07			
397	5	2.45E-07			
398	5	2.18E-07			
399	5	1.31E-07			
400	5	1.48E-07			
401	5	1.67E-07			
402	5	1.91E-07			
403	5	2.18E-07			
404	5	2.49E-07			
405	5	2.85E-07			
406	5	3.24E-07			
407	5	3.64E-07			
408	5	4.01E-07			
409	5	4.30E-07			
410	5	4.43E-07			
411	5	4.38E-07			
412	5	4.15E-07			
413	5	3.78E-07			
414	5	3.35E-07			
415	5	2.92E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	2.52E-07			
417	5	1.39E-07			
418	5	1.59E-07			
419	5	1.82E-07			
420	5	2.11E-07			
421	5	2.46E-07			
422	5	2.88E-07			
423	5	3.39E-07			
424	5	3.97E-07			
425	5	4.60E-07			
426	5	5.24E-07			
427	5	5.76E-07			
428	5	6.05E-07			
429	5	5.98E-07			
430	5	5.55E-07			
431	5	4.88E-07			
432	5	4.16E-07			
433	5	3.51E-07			
434	5	2.94E-07			
435	5	1.42E-07			
436	5	1.65E-07			
437	5	1.95E-07			
438	5	2.32E-07			
439	5	2.76E-07			
440	5	3.32E-07			
441	5	4.04E-07			
442	5	4.93E-07			
443	5	5.98E-07			
444	5	7.12E-07			
445	5	8.17E-07			
446	5	8.86E-07			
447	5	8.82E-07			
448	5	7.89E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	6.56E-07			
450	5	5.28E-07			
451	5	4.21E-07			
452	5	3.42E-07			
453	5	1.40E-07			
454	5	1.67E-07			
455	5	2.04E-07			
456	5	2.48E-07			
457	5	3.07E-07			
458	5	3.80E-07			
459	5	4.80E-07			
460	5	6.17E-07			
461	5	7.97E-07			
462	5	1.02E-06			
463	5	1.25E-06			
464	5	1.45E-06			
465	5	1.48E-06			
466	5	1.24E-06			
467	5	9.22E-07			
468	5	6.76E-07			
469	5	5.09E-07			
470	5	3.96E-07			
471	5	1.31E-07			
472	5	1.63E-07			
473	5	2.02E-07			
474	5	2.52E-07			
475	5	3.16E-07			
476	5	2.34E-06			
477	5	1.34E-06			
478	5	8.70E-07			
479	5	6.12E-07			
480	5	4.56E-07			
481	5	1.25E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	1.55E-07			
483	5	1.88E-07			
484	5	2.36E-07			
485	5	3.22E-07			
486	5	4.91E-06			
487	5	1.90E-06			
488	5	1.08E-06			
489	5	7.15E-07			
490	5	5.15E-07			
491	5	1.14E-07			
492	5	1.40E-07			
493	5	1.71E-07			
494	5	2.19E-07			
495	5	2.95E-07			
496	5	1.05E-06			
497	5	2.03E-06			
498	5	1.82E-05			
499	5	4.73E-06			
500	5	2.09E-06			
501	5	1.19E-06			
502	5	7.80E-07			
503	5	5.55E-07			
504	5	1.03E-07			
505	5	1.21E-07			
506	5	1.55E-07			
507	5	1.93E-07			
508	5	2.67E-07			
509	5	3.68E-07			
510	5	5.42E-07			
511	5	9.19E-07			
512	5	1.88E-06			
513	5	5.51E-06			
514	5	1.03E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	1.05E-05			
516	5	6.02E-06			
517	5	3.07E-06			
518	5	1.76E-06			
519	5	1.12E-06			
520	5	7.66E-07			
521	5	5.58E-07			
522	5	9.11E-08			
523	5	1.10E-07			
524	5	1.36E-07			
525	5	1.70E-07			
526	5	2.13E-07			
527	5	3.12E-07			
528	5	4.49E-07			
529	5	6.92E-07			
530	5	1.18E-06			
531	5	2.02E-06			
532	5	2.86E-06			
533	5	3.07E-06			
534	5	2.51E-06			
535	5	1.82E-06			
536	5	1.29E-06			
537	5	9.22E-07			
538	5	6.81E-07			
539	5	5.18E-07			
540	5	8.11E-08			
541	5	9.71E-08			
542	5	1.18E-07			
543	5	1.46E-07			
544	5	1.91E-07			
545	5	2.48E-07			
546	5	3.46E-07			
547	5	4.92E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE3

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	7.31E-07			
549	5	1.02E-06			
550	5	1.36E-06			
551	5	1.52E-06			
552	5	1.31E-06			
553	5	1.09E-06			
554	5	8.76E-07			
555	5	7.19E-07			
556	5	5.68E-07			
557	5	4.55E-07			
558	5	7.25E-08			
559	5	8.61E-08			
560	5	1.01E-07			
561	5	1.24E-07			
562	5	1.51E-07			
563	5	1.93E-07			
564	5	2.61E-07			
565	5	3.44E-07			
566	5	4.79E-07			
567	5	6.18E-07			
568	5	7.69E-07			
569	5	7.57E-07			
570	5	7.18E-07			
571	5	6.79E-07			
572	5	6.20E-07			
573	5	5.33E-07			
574	5	4.55E-07			
575	5	3.87E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.68915	**8.4549E-06**	5.8267E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.92E-11	1,000,000	7.92E-05
2	0.76423	8.4549E-06	6.4615E-06	3.46E-04	2.24E-09	0.25	1.57E-01	8.79E-11	1,000,000	8.79E-05
3	0.85042	8.4549E-06	7.1902E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.78E-11	1,000,000	9.78E-05
4	0.94881	8.4549E-06	8.0221E-06	3.46E-04	2.78E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
5	1.06078	8.4549E-06	8.9688E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
6	1.18641	8.4549E-06	1.0031E-05	3.46E-04	3.47E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
7	1.32313	8.4549E-06	1.1187E-05	3.46E-04	3.87E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
8	1.46719	8.4549E-06	1.2405E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
9	1.61164	8.4549E-06	1.3626E-05	3.46E-04	4.72E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
10	1.74256	8.4549E-06	1.4733E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
11	1.8446	8.4549E-06	1.5596E-05	3.46E-04	5.40E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
12	1.90318	8.4549E-06	1.6091E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
13	1.90786	8.4549E-06	1.6131E-05	3.46E-04	5.58E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
14	1.85731	8.4549E-06	1.5703E-05	3.46E-04	5.44E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
15	1.76044	8.4549E-06	1.4884E-05	3.46E-04	5.15E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
16	1.63044	8.4549E-06	1.3785E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
17	1.48855	8.4549E-06	1.2586E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
18	1.34362	8.4549E-06	1.136E-05	3.46E-04	3.93E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
19	1.20363	8.4549E-06	1.0177E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
20	1.07781	8.4549E-06	9.1128E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
21	0.96451	8.4549E-06	8.1548E-06	3.46E-04	2.82E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
22	0.86332	8.4549E-06	7.2993E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.93E-11	1,000,000	9.93E-05
23	0.73461	8.4549E-06	6.211E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.45E-11	1,000,000	8.45E-05
24	0.8221	8.4549E-06	6.9508E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.45E-11	1,000,000	9.45E-05
25	0.92469	8.4549E-06	7.8181E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
26	1.04509	8.4549E-06	8.8361E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.18586	8.4549E-06	1.0026E-05	3.46E-04	3.47E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
28	1.34997	8.4549E-06	1.1414E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
29	1.53561	8.4549E-06	1.2983E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
30	1.74171	8.4549E-06	1.4726E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
31	1.95587	8.4549E-06	1.6537E-05	3.46E-04	5.72E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
32	2.15981	8.4549E-06	1.8261E-05	3.46E-04	6.32E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04
33	2.32433	8.4549E-06	1.9652E-05	3.46E-04	6.80E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
34	2.42464	8.4549E-06	2.05E-05	3.46E-04	7.10E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
35	2.43572	8.4549E-06	2.0594E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
36	2.35492	8.4549E-06	1.9911E-05	3.46E-04	6.89E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
37	2.19029	8.4549E-06	1.8519E-05	3.46E-04	6.41E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
38	1.98825	8.4549E-06	1.681E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
39	1.77719	8.4549E-06	1.5026E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
40	1.56947	8.4549E-06	1.327E-05	3.46E-04	4.59E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
41	1.37792	8.4549E-06	1.165E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
42	1.20928	8.4549E-06	1.0224E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
43	1.06365	8.4549E-06	8.993E-06	3.46E-04	3.11E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
44	0.94479	8.4549E-06	7.9881E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
45	0.77908	8.4549E-06	6.587E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.96E-11	1,000,000	8.96E-05
46	0.87989	8.4549E-06	7.4394E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
47	1.00079	8.4549E-06	8.4616E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
48	1.14661	8.4549E-06	9.6944E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
49	1.32283	8.4549E-06	1.1184E-05	3.46E-04	3.87E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
50	1.53558	8.4549E-06	1.2983E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
51	1.78987	8.4549E-06	1.5133E-05	3.46E-04	5.24E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
52	2.0863	8.4549E-06	1.7639E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.41653	8.4549E-06	2.0431E-05	3.46E-04	7.07E-09	0.25	1.57E-01	2.78E-10	1,000,000	2.78E-04
54	2.7494	8.4549E-06	2.3246E-05	3.46E-04	8.05E-09	0.25	1.57E-01	3.16E-10	1,000,000	3.16E-04
55	3.03706	8.4549E-06	2.5678E-05	3.46E-04	8.89E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
56	3.21663	8.4549E-06	2.7196E-05	3.46E-04	9.41E-09	0.25	1.57E-01	3.70E-10	1,000,000	3.70E-04
57	3.23534	8.4549E-06	2.7354E-05	3.46E-04	9.47E-09	0.25	1.57E-01	3.72E-10	1,000,000	3.72E-04
58	3.09578	8.4549E-06	2.6174E-05	3.46E-04	9.06E-09	0.25	1.57E-01	3.56E-10	1,000,000	3.56E-04
59	2.80993	8.4549E-06	2.3758E-05	3.46E-04	8.22E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
60	2.47541	8.4549E-06	2.0929E-05	3.46E-04	7.24E-09	0.25	1.57E-01	2.85E-10	1,000,000	2.85E-04
61	2.14698	8.4549E-06	1.8152E-05	3.46E-04	6.28E-09	0.25	1.57E-01	2.47E-10	1,000,000	2.47E-04
62	1.84206	8.4549E-06	1.5574E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
63	1.57931	8.4549E-06	1.3353E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
64	1.36008	8.4549E-06	1.1499E-05	3.46E-04	3.98E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
65	1.17986	8.4549E-06	9.9756E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
66	1.03126	8.4549E-06	8.7192E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
67	0.82027	8.4549E-06	6.9353E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.43E-11	1,000,000	9.43E-05
68	0.93473	8.4549E-06	7.903E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
69	1.07484	8.4549E-06	9.0876E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
70	1.24874	8.4549E-06	1.0558E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
71	1.4663	8.4549E-06	1.2397E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
72	1.74041	8.4549E-06	1.4715E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
73	2.08658	8.4549E-06	1.7642E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
74	2.5174	8.4549E-06	2.1284E-05	3.46E-04	7.37E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
75	3.03647	8.4549E-06	2.5673E-05	3.46E-04	8.89E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
76	3.61462	8.4549E-06	3.0561E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.16E-10	1,000,000	4.16E-04
77	4.16269	8.4549E-06	3.5195E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.79E-10	1,000,000	4.79E-04
78	4.53415	8.4549E-06	3.8336E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.21E-10	1,000,000	5.21E-04
79	4.5688	8.4549E-06	3.8629E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.25E-10	1,000,000	5.25E-04
80	4.26498	8.4549E-06	3.606E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.90E-10	1,000,000	4.90E-04
81	3.7388	8.4549E-06	3.1611E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.30E-10	1,000,000	4.30E-04
82	3.16277	8.4549E-06	2.6741E-05	3.46E-04	9.26E-09	0.25	1.57E-01	3.64E-10	1,000,000	3.64E-04
83	2.62173	8.4549E-06	2.2166E-05	3.46E-04	7.67E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
84	2.17348	8.4549E-06	1.8377E-05	3.46E-04	6.36E-09	0.25	1.57E-01	2.50E-10	1,000,000	2.50E-04
85	1.80259	8.4549E-06	1.5241E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.52523	8.4549E-06	1.2896E-05	3.46E-04	4.46E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
87	1.29993	8.4549E-06	1.0991E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
88	1.12175	8.4549E-06	9.4843E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
89	0.85655	8.4549E-06	7.242E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.85E-11	1,000,000	9.85E-05
90	0.98382	8.4549E-06	8.3181E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
91	1.14267	8.4549E-06	9.6611E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
92	1.34456	8.4549E-06	1.1368E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
93	1.60618	8.4549E-06	1.358E-05	3.46E-04	4.70E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
94	1.95248	8.4549E-06	1.6508E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
95	2.41508	8.4549E-06	2.0419E-05	3.46E-04	7.07E-09	0.25	1.57E-01	2.78E-10	1,000,000	2.78E-04
96	3.03941	8.4549E-06	2.5698E-05	3.46E-04	8.90E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
97	3.87537	8.4549E-06	3.2766E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.46E-10	1,000,000	4.46E-04
98	4.93038	8.4549E-06	4.1686E-05	3.46E-04	1.44E-08	0.25	1.57E-01	5.67E-10	1,000,000	5.67E-04
99	6.0671	8.4549E-06	5.1297E-05	3.46E-04	1.78E-08	0.25	1.57E-01	6.98E-10	1,000,000	6.98E-04
100	6.91566	8.4549E-06	5.8471E-05	3.46E-04	2.02E-08	0.25	1.57E-01	7.95E-10	1,000,000	7.95E-04
101	7.0149	8.4549E-06	5.931E-05	3.46E-04	2.05E-08	0.25	1.57E-01	8.07E-10	1,000,000	8.07E-04
102	6.30571	8.4549E-06	5.3314E-05	3.46E-04	1.85E-08	0.25	1.57E-01	7.25E-10	1,000,000	7.25E-04
103	5.19768	8.4549E-06	4.3946E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.98E-10	1,000,000	5.98E-04
104	4.10168	8.4549E-06	3.4679E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.72E-10	1,000,000	4.72E-04
105	3.22558	8.4549E-06	2.7272E-05	3.46E-04	9.44E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
106	2.56177	8.4549E-06	2.1659E-05	3.46E-04	7.50E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
107	2.06859	8.4549E-06	1.749E-05	3.46E-04	6.05E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
108	1.70334	8.4549E-06	1.4402E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
109	1.42654	8.4549E-06	1.2061E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
110	1.21577	8.4549E-06	1.0279E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
111	0.81173	8.4549E-06	6.8631E-06	3.46E-04	2.38E-09	0.25	1.57E-01	9.33E-11	1,000,000	9.33E-05
112	1.00458	8.4549E-06	8.4936E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
113	1.12894	8.4549E-06	9.545E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
114	1.34933	8.4549E-06	1.1408E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
115	1.73152	8.4549E-06	1.464E-05	3.46E-04	5.07E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
116	2.1514	8.4549E-06	1.819E-05	3.46E-04	6.30E-09	0.25	1.57E-01	2.47E-10	1,000,000	2.47E-04
117	2.74729	8.4549E-06	2.3228E-05	3.46E-04	8.04E-09	0.25	1.57E-01	3.16E-10	1,000,000	3.16E-04
118	3.62499	8.4549E-06	3.0649E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.17E-10	1,000,000	4.17E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	4.95712	8.4549E-06	4.1912E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.70E-10	1,000,000	5.70E-04
120	6.97419	8.4549E-06	5.8966E-05	3.46E-04	2.04E-08	0.25	1.57E-01	8.02E-10	1,000,000	8.02E-04
121	9.70145	8.4549E-06	8.2025E-05	3.46E-04	2.84E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
122	12.12442	8.4549E-06	0.00010251	3.46E-04	3.55E-08	0.25	1.57E-01	1.39E-09	1,000,000	1.39E-03
123	12.44687	8.4549E-06	0.00010524	3.46E-04	3.64E-08	0.25	1.57E-01	1.43E-09	1,000,000	1.43E-03
124	10.37076	8.4549E-06	8.7684E-05	3.46E-04	3.04E-08	0.25	1.57E-01	1.19E-09	1,000,000	1.19E-03
125	7.60529	8.4549E-06	6.4302E-05	3.46E-04	2.23E-08	0.25	1.57E-01	8.74E-10	1,000,000	8.74E-04
126	5.41776	8.4549E-06	4.5806E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.23E-10	1,000,000	6.23E-04
127	3.96807	8.4549E-06	3.355E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.56E-10	1,000,000	4.56E-04
128	3.00885	8.4549E-06	2.5439E-05	3.46E-04	8.81E-09	0.25	1.57E-01	3.46E-10	1,000,000	3.46E-04
129	2.35202	8.4549E-06	1.9886E-05	3.46E-04	6.88E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
130	1.89516	8.4549E-06	1.6023E-05	3.46E-04	5.55E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
131	1.56048	8.4549E-06	1.3194E-05	3.46E-04	4.57E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
132	1.31238	8.4549E-06	1.1096E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
133	0.75898	8.4549E-06	6.4171E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.73E-11	1,000,000	8.73E-05
134	0.89333	8.4549E-06	7.553E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
135	1.06156	8.4549E-06	8.9754E-06	3.46E-04	3.11E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
136	1.33717	8.4549E-06	1.1306E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
137	1.82729	8.4549E-06	1.545E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
138	2.30735	8.4549E-06	1.9508E-05	3.46E-04	6.75E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
139	3.02519	8.4549E-06	2.5578E-05	3.46E-04	8.85E-09	0.25	1.57E-01	3.48E-10	1,000,000	3.48E-04
140	4.16622	8.4549E-06	3.5225E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.79E-10	1,000,000	4.79E-04
141	6.15925	8.4549E-06	5.2076E-05	3.46E-04	1.80E-08	0.25	1.57E-01	7.08E-10	1,000,000	7.08E-04
142	9.9761	8.4549E-06	8.4347E-05	3.46E-04	2.92E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
143	17.59379	8.4549E-06	0.00014875	3.46E-04	5.15E-08	0.25	1.57E-01	2.02E-09	1,000,000	2.02E-03
144	27.62189	8.4549E-06	0.00023354	3.46E-04	8.08E-08	0.25	1.57E-01	3.18E-09	1,000,000	3.18E-03
145	29.18572	8.4549E-06	0.00024676	3.46E-04	8.54E-08	0.25	1.57E-01	3.36E-09	1,000,000	3.36E-03
146	20.29603	8.4549E-06	0.0001716	3.46E-04	5.94E-08	0.25	1.57E-01	2.33E-09	1,000,000	2.33E-03
147	11.73258	8.4549E-06	9.9198E-05	3.46E-04	3.43E-08	0.25	1.57E-01	1.35E-09	1,000,000	1.35E-03
148	7.20301	8.4549E-06	6.0901E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.28E-10	1,000,000	8.28E-04
149	4.85946	8.4549E-06	4.1086E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.59E-10	1,000,000	5.59E-04
150	3.49822	8.4549E-06	2.9577E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.02E-10	1,000,000	4.02E-04
151	2.65018	8.4549E-06	2.2407E-05	3.46E-04	7.76E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.09045	8.4549E-06	1.7674E-05	3.46E-04	6.12E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
153	1.69571	8.4549E-06	1.4337E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
154	1.40826	8.4549E-06	1.1907E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
155	0.66759	8.4549E-06	5.6444E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.68E-11	1,000,000	7.68E-05
156	0.80342	8.4549E-06	6.7928E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
157	1.01517	8.4549E-06	8.5831E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
158	1.23736	8.4549E-06	1.0462E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
159	1.59424	8.4549E-06	1.3479E-05	3.46E-04	4.67E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
160	2.10732	8.4549E-06	1.7817E-05	3.46E-04	6.17E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
161	2.92599	8.4549E-06	2.4739E-05	3.46E-04	8.56E-09	0.25	1.57E-01	3.36E-10	1,000,000	3.36E-04
162	4.49576	8.4549E-06	3.8011E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.17E-10	1,000,000	5.17E-04
163	7.00053	8.4549E-06	5.9189E-05	3.46E-04	2.05E-08	0.25	1.57E-01	8.05E-10	1,000,000	8.05E-04
164	12.96079	8.4549E-06	0.00010958	3.46E-04	3.79E-08	0.25	1.57E-01	1.49E-09	1,000,000	1.49E-03
165	35.91756	8.4549E-06	0.00030368	3.46E-04	1.05E-07	0.25	1.57E-01	4.13E-09	1,000,000	4.13E-03
166	140.5964	8.4549E-06	0.00118873	3.46E-04	4.11E-07	0.25	1.57E-01	1.62E-08	1,000,000	1.62E-02
167	154.5755	8.4549E-06	0.00130692	3.46E-04	4.52E-07	0.25	1.57E-01	1.78E-08	1,000,000	1.78E-02
168	57.76508	8.4549E-06	0.0004884	3.46E-04	1.69E-07	0.25	1.57E-01	6.64E-09	1,000,000	6.64E-03
169	18.24622	8.4549E-06	0.00015427	3.46E-04	5.34E-08	0.25	1.57E-01	2.10E-09	1,000,000	2.10E-03
170	9.27898	8.4549E-06	7.8453E-05	3.46E-04	2.72E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
171	5.74665	8.4549E-06	4.8587E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.61E-10	1,000,000	6.61E-04
172	3.97748	8.4549E-06	3.3629E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.57E-10	1,000,000	4.57E-04
173	2.93516	8.4549E-06	2.4816E-05	3.46E-04	8.59E-09	0.25	1.57E-01	3.37E-10	1,000,000	3.37E-04
174	2.27136	8.4549E-06	1.9204E-05	3.46E-04	6.65E-09	0.25	1.57E-01	2.61E-10	1,000,000	2.61E-04
175	1.82089	8.4549E-06	1.5395E-05	3.46E-04	5.33E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
176	1.49736	8.4549E-06	1.266E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
177	0.61837	8.4549E-06	5.2282E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
178	0.75352	8.4549E-06	6.3709E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.66E-11	1,000,000	8.66E-05
179	0.95297	8.4549E-06	8.0572E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
180	1.21186	8.4549E-06	1.0246E-05	3.46E-04	3.55E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
181	1.53477	8.4549E-06	1.2976E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
182	1.98194	8.4549E-06	1.6757E-05	3.46E-04	5.80E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
183	2.70239	8.4549E-06	2.2848E-05	3.46E-04	7.91E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
184	19.62065	8.4549E-06	0.00016589	3.46E-04	5.74E-08	0.25	1.57E-01	2.26E-09	1,000,000	2.26E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	10.01463	8.4549E-06	8.4672E-05	3.46E-04	2.93E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
186	6.19091	8.4549E-06	5.2343E-05	3.46E-04	1.81E-08	0.25	1.57E-01	7.12E-10	1,000,000	7.12E-04
187	4.23715	8.4549E-06	3.5825E-05	3.46E-04	1.24E-08	0.25	1.57E-01	4.87E-10	1,000,000	4.87E-04
188	3.10383	8.4549E-06	2.6243E-05	3.46E-04	9.08E-09	0.25	1.57E-01	3.57E-10	1,000,000	3.57E-04
189	2.38823	8.4549E-06	2.0192E-05	3.46E-04	6.99E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
190	1.9035	8.4549E-06	1.6094E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
191	1.55828	8.4549E-06	1.3175E-05	3.46E-04	4.56E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
192	0.55832	8.4549E-06	4.7205E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.42E-11	1,000,000	6.42E-05
193	0.6651	8.4549E-06	5.6233E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.65E-11	1,000,000	7.65E-05
194	0.82645	8.4549E-06	6.9875E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.50E-11	1,000,000	9.50E-05
195	1.03648	8.4549E-06	8.7633E-06	3.46E-04	3.03E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
196	1.3473	8.4549E-06	1.1391E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
197	1.71937	8.4549E-06	1.4537E-05	3.46E-04	5.03E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
198	2.36427	8.4549E-06	1.999E-05	3.46E-04	6.92E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
199	8.57202	8.4549E-06	7.2475E-05	3.46E-04	2.51E-08	0.25	1.57E-01	9.86E-10	1,000,000	9.86E-04
200	13.08433	8.4549E-06	0.00011063	3.46E-04	3.83E-08	0.25	1.57E-01	1.50E-09	1,000,000	1.50E-03
201	8.38814	8.4549E-06	7.0921E-05	3.46E-04	2.46E-08	0.25	1.57E-01	9.64E-10	1,000,000	9.64E-04
202	5.67815	8.4549E-06	4.8008E-05	3.46E-04	1.66E-08	0.25	1.57E-01	6.53E-10	1,000,000	6.53E-04
203	4.07333	8.4549E-06	3.444E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.68E-10	1,000,000	4.68E-04
204	3.05853	8.4549E-06	2.5859E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
205	2.3839	8.4549E-06	2.0156E-05	3.46E-04	6.98E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
206	1.91394	8.4549E-06	1.6182E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
207	1.57444	8.4549E-06	1.3312E-05	3.46E-04	4.61E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
208	0.5046	8.4549E-06	4.2663E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.80E-11	1,000,000	5.80E-05
209	0.59542	8.4549E-06	5.0342E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
210	0.69405	8.4549E-06	5.8681E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.98E-11	1,000,000	7.98E-05
211	0.86489	8.4549E-06	7.3125E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.94E-11	1,000,000	9.94E-05
212	1.07246	8.4549E-06	9.0675E-06	3.46E-04	3.14E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
213	1.39489	8.4549E-06	1.1794E-05	3.46E-04	4.08E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
214	1.90817	8.4549E-06	1.6133E-05	3.46E-04	5.58E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
215	2.61651	8.4549E-06	2.2122E-05	3.46E-04	7.66E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
216	3.92941	8.4549E-06	3.3223E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.52E-10	1,000,000	4.52E-04
217	5.62247	8.4549E-06	4.7537E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.46E-10	1,000,000	6.46E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	10.31573	8.4549E-06	8.7218E-05	3.46E-04	3.02E-08	0.25	1.57E-01	1.19E-09	1,000,000	1.19E-03
219	8.11333	8.4549E-06	6.8597E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.33E-10	1,000,000	9.33E-04
220	6.13517	8.4549E-06	5.1872E-05	3.46E-04	1.80E-08	0.25	1.57E-01	7.05E-10	1,000,000	7.05E-04
221	4.64025	8.4549E-06	3.9233E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.34E-10	1,000,000	5.34E-04
222	3.56665	8.4549E-06	3.0156E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.10E-10	1,000,000	4.10E-04
223	2.80109	8.4549E-06	2.3683E-05	3.46E-04	8.20E-09	0.25	1.57E-01	3.22E-10	1,000,000	3.22E-04
224	2.24778	8.4549E-06	1.9005E-05	3.46E-04	6.58E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
225	1.83997	8.4549E-06	1.5557E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
226	1.53376	8.4549E-06	1.2968E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
227	0.45269	8.4549E-06	3.8274E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.21E-11	1,000,000	5.21E-05
228	0.52403	8.4549E-06	4.4306E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.03E-11	1,000,000	6.03E-05
229	0.6133	8.4549E-06	5.1854E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.05E-11	1,000,000	7.05E-05
230	0.7363	8.4549E-06	6.2253E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.47E-11	1,000,000	8.47E-05
231	0.9016	8.4549E-06	7.6229E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
232	1.10193	8.4549E-06	9.3167E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
233	1.47412	8.4549E-06	1.2464E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
234	1.94554	8.4549E-06	1.6449E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
235	2.65122	8.4549E-06	2.2416E-05	3.46E-04	7.76E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04
236	3.62409	8.4549E-06	3.0641E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.17E-10	1,000,000	4.17E-04
237	4.68811	8.4549E-06	3.9637E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.39E-10	1,000,000	5.39E-04
238	5.70879	8.4549E-06	4.8267E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.56E-10	1,000,000	6.56E-04
239	6.33668	8.4549E-06	5.3576E-05	3.46E-04	1.85E-08	0.25	1.57E-01	7.29E-10	1,000,000	7.29E-04
240	6.1516	8.4549E-06	5.2011E-05	3.46E-04	1.80E-08	0.25	1.57E-01	7.07E-10	1,000,000	7.07E-04
241	5.35978	8.4549E-06	4.5316E-05	3.46E-04	1.57E-08	0.25	1.57E-01	6.16E-10	1,000,000	6.16E-04
242	4.39803	8.4549E-06	3.7185E-05	3.46E-04	1.29E-08	0.25	1.57E-01	5.06E-10	1,000,000	5.06E-04
243	3.62062	8.4549E-06	3.0612E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.16E-10	1,000,000	4.16E-04
244	2.96231	8.4549E-06	2.5046E-05	3.46E-04	8.67E-09	0.25	1.57E-01	3.41E-10	1,000,000	3.41E-04
245	2.43745	8.4549E-06	2.0608E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
246	2.0249	8.4549E-06	1.712E-05	3.46E-04	5.93E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
247	1.70083	8.4549E-06	1.438E-05	3.46E-04	4.98E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
248	1.44497	8.4549E-06	1.2217E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
249	0.4074	8.4549E-06	3.4445E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
250	0.46424	8.4549E-06	3.9251E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.34E-11	1,000,000	5.34E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.53381	8.4549E-06	4.5133E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.14E-11	1,000,000	6.14E-05
252	0.63419	8.4549E-06	5.362E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.29E-11	1,000,000	7.29E-05
253	0.75484	8.4549E-06	6.3821E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.68E-11	1,000,000	8.68E-05
254	0.94249	8.4549E-06	7.9686E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
255	1.15492	8.4549E-06	9.7647E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
256	1.51183	8.4549E-06	1.2782E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
257	1.87938	8.4549E-06	1.589E-05	3.46E-04	5.50E-09	0.25	1.57E-01	2.16E-10	1,000,000	2.16E-04
258	2.3363	8.4549E-06	1.9753E-05	3.46E-04	6.84E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
259	2.98864	8.4549E-06	2.5269E-05	3.46E-04	8.75E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
260	3.5592	8.4549E-06	3.0093E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.09E-10	1,000,000	4.09E-04
261	3.90201	8.4549E-06	3.2991E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.49E-10	1,000,000	4.49E-04
262	3.78291	8.4549E-06	3.1984E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.35E-10	1,000,000	4.35E-04
263	3.45503	8.4549E-06	2.9212E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.97E-10	1,000,000	3.97E-04
264	3.12009	8.4549E-06	2.638E-05	3.46E-04	9.13E-09	0.25	1.57E-01	3.59E-10	1,000,000	3.59E-04
265	2.84206	8.4549E-06	2.4029E-05	3.46E-04	8.32E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
266	2.42731	8.4549E-06	2.0523E-05	3.46E-04	7.10E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
267	2.07136	8.4549E-06	1.7513E-05	3.46E-04	6.06E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
268	1.77547	8.4549E-06	1.5011E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
269	1.53005	8.4549E-06	1.2936E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
270	1.32655	8.4549E-06	1.1216E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
271	0.36009	8.4549E-06	3.0445E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
272	0.40518	8.4549E-06	3.4257E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.66E-11	1,000,000	4.66E-05
273	0.46459	8.4549E-06	3.9281E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.34E-11	1,000,000	5.34E-05
274	0.53712	8.4549E-06	4.5413E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.18E-11	1,000,000	6.18E-05
275	0.62927	8.4549E-06	5.3204E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
276	0.75818	8.4549E-06	6.4103E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.72E-11	1,000,000	8.72E-05
277	0.91595	8.4549E-06	7.7442E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
278	1.09796	8.4549E-06	9.2831E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
279	1.34924	8.4549E-06	1.1408E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
280	1.64437	8.4549E-06	1.3903E-05	3.46E-04	4.81E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
281	2.01403	8.4549E-06	1.7028E-05	3.46E-04	5.89E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
282	2.40495	8.4549E-06	2.0334E-05	3.46E-04	7.04E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
283	2.58288	8.4549E-06	2.1838E-05	3.46E-04	7.56E-09	0.25	1.57E-01	2.97E-10	1,000,000	2.97E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.38055	8.4549E-06	2.0127E-05	3.46E-04	6.97E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
285	2.35601	8.4549E-06	1.992E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
286	2.21453	8.4549E-06	1.8724E-05	3.46E-04	6.48E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
287	2.06329	8.4549E-06	1.7445E-05	3.46E-04	6.04E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
288	1.93664	8.4549E-06	1.6374E-05	3.46E-04	5.67E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
289	1.77014	8.4549E-06	1.4966E-05	3.46E-04	5.18E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
290	1.54035	8.4549E-06	1.3023E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
291	1.35589	8.4549E-06	1.1464E-05	3.46E-04	3.97E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
292	1.19794	8.4549E-06	1.0128E-05	3.46E-04	3.51E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
293	0.3201	8.4549E-06	2.7064E-06	3.46E-04	9.37E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
294	0.35861	8.4549E-06	3.032E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.12E-11	1,000,000	4.12E-05
295	0.40408	8.4549E-06	3.4164E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
296	0.45591	8.4549E-06	3.8547E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.24E-11	1,000,000	5.24E-05
297	0.53074	8.4549E-06	4.4873E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.10E-11	1,000,000	6.10E-05
298	0.61802	8.4549E-06	5.2253E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
299	0.72746	8.4549E-06	6.1506E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.36E-11	1,000,000	8.36E-05
300	0.87849	8.4549E-06	7.4275E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
301	1.00929	8.4549E-06	8.5334E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
302	1.21669	8.4549E-06	1.0287E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
303	1.42968	8.4549E-06	1.2088E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
304	1.67452	8.4549E-06	1.4158E-05	3.46E-04	4.90E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
305	1.77609	8.4549E-06	1.5017E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
306	1.69156	8.4549E-06	1.4302E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
307	1.64605	8.4549E-06	1.3917E-05	3.46E-04	4.82E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
308	1.56269	8.4549E-06	1.3212E-05	3.46E-04	4.57E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
309	1.62766	8.4549E-06	1.3762E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
310	1.51122	8.4549E-06	1.2777E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
311	1.42263	8.4549E-06	1.2028E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
312	1.34704	8.4549E-06	1.1389E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
313	1.23248	8.4549E-06	1.042E-05	3.46E-04	3.61E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
314	1.12698	8.4549E-06	9.5285E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
315	0.27932	8.4549E-06	2.3616E-06	3.46E-04	8.18E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
316	0.31134	8.4549E-06	2.6323E-06	3.46E-04	9.11E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.34724	8.4549E-06	2.9359E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
318	0.38798	8.4549E-06	3.2803E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
319	0.43318	8.4549E-06	3.6625E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.98E-11	1,000,000	4.98E-05
320	0.51427	8.4549E-06	4.3481E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.91E-11	1,000,000	5.91E-05
321	0.58572	8.4549E-06	4.9522E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
322	0.68056	8.4549E-06	5.7541E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.83E-11	1,000,000	7.83E-05
323	0.80496	8.4549E-06	6.8058E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.26E-11	1,000,000	9.26E-05
324	0.93023	8.4549E-06	7.865E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
325	1.06466	8.4549E-06	9.0016E-06	3.46E-04	3.12E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
326	1.21001	8.4549E-06	1.023E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
327	1.51061	8.4549E-06	1.2772E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
328	1.22956	8.4549E-06	1.0396E-05	3.46E-04	3.60E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
329	1.20142	8.4549E-06	1.0158E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
330	1.19249	8.4549E-06	1.0082E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
331	1.18712	8.4549E-06	1.0037E-05	3.46E-04	3.47E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
332	1.17899	8.4549E-06	9.9682E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
333	1.11746	8.4549E-06	9.448E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
334	1.10143	8.4549E-06	9.3125E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
335	1.04581	8.4549E-06	8.8422E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
336	0.98436	8.4549E-06	8.3226E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
337	0.24915	8.4549E-06	2.1065E-06	3.46E-04	7.29E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
338	0.2737	8.4549E-06	2.3141E-06	3.46E-04	8.01E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
339	0.29892	8.4549E-06	2.5273E-06	3.46E-04	8.75E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
340	0.3357	8.4549E-06	2.8383E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
341	0.37103	8.4549E-06	3.137E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.27E-11	1,000,000	4.27E-05
342	0.43137	8.4549E-06	3.6472E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.96E-11	1,000,000	4.96E-05
343	0.48125	8.4549E-06	4.0689E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
344	0.55273	8.4549E-06	4.6733E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.36E-11	1,000,000	6.36E-05
345	0.63492	8.4549E-06	5.3682E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.30E-11	1,000,000	7.30E-05
346	0.73748	8.4549E-06	6.2353E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.48E-11	1,000,000	8.48E-05
347	0.81642	8.4549E-06	6.9027E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.39E-11	1,000,000	9.39E-05
348	0.89844	8.4549E-06	7.5962E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
349	0.87114	8.4549E-06	7.3654E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	0.89131	8.4549E-06	7.5359E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
351	0.90264	8.4549E-06	7.6317E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
352	0.87118	8.4549E-06	7.3657E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
353	0.90805	8.4549E-06	7.6775E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
354	0.88812	8.4549E-06	7.5089E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
355	0.89025	8.4549E-06	7.527E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
356	0.88824	8.4549E-06	7.51E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
357	0.85919	8.4549E-06	7.2643E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.88E-11	1,000,000	9.88E-05
358	0.82316	8.4549E-06	6.9597E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.46E-11	1,000,000	9.46E-05
359	0.21878	8.4549E-06	1.8498E-06	3.46E-04	6.40E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
360	0.24029	8.4549E-06	2.0316E-06	3.46E-04	7.03E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
361	0.2626	8.4549E-06	2.2203E-06	3.46E-04	7.69E-10	0.25	1.57E-01	3.02E-11	1,000,000	3.02E-05
362	0.28805	8.4549E-06	2.4354E-06	3.46E-04	8.43E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
363	0.31466	8.4549E-06	2.6604E-06	3.46E-04	9.21E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
364	0.35553	8.4549E-06	3.006E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
365	0.40181	8.4549E-06	3.3973E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
366	0.45732	8.4549E-06	3.8666E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.26E-11	1,000,000	5.26E-05
367	0.52731	8.4549E-06	4.4583E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.06E-11	1,000,000	6.06E-05
368	0.58743	8.4549E-06	4.9666E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.75E-11	1,000,000	6.75E-05
369	0.63259	8.4549E-06	5.3485E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.27E-11	1,000,000	7.27E-05
370	0.65806	8.4549E-06	5.5638E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.57E-11	1,000,000	7.57E-05
371	0.69126	8.4549E-06	5.8445E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.95E-11	1,000,000	7.95E-05
372	0.70539	8.4549E-06	5.964E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.11E-11	1,000,000	8.11E-05
373	0.69358	8.4549E-06	5.8641E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.97E-11	1,000,000	7.97E-05
374	0.6761	8.4549E-06	5.7163E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.77E-11	1,000,000	7.77E-05
375	0.6973	8.4549E-06	5.8956E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.02E-11	1,000,000	8.02E-05
376	0.69055	8.4549E-06	5.8385E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.94E-11	1,000,000	7.94E-05
377	0.69605	8.4549E-06	5.885E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.00E-11	1,000,000	8.00E-05
378	0.73051	8.4549E-06	6.1764E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.40E-11	1,000,000	8.40E-05
379	0.72612	8.4549E-06	6.1393E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.35E-11	1,000,000	8.35E-05
380	0.68809	8.4549E-06	5.8177E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
381	0.96986	8.4549E-06	8.2E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
382	1.11415	8.4549E-06	9.42E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.29102	8.4549E-06	1.0915E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
384	1.50894	8.4549E-06	1.2758E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
385	1.77765	8.4549E-06	1.503E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
386	2.10455	8.4549E-06	1.7794E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
387	2.48986	8.4549E-06	2.1051E-05	3.46E-04	7.29E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
388	2.92	8.4549E-06	2.4688E-05	3.46E-04	8.55E-09	0.25	1.57E-01	3.36E-10	1,000,000	3.36E-04
389	3.34571	8.4549E-06	2.8288E-05	3.46E-04	9.79E-09	0.25	1.57E-01	3.85E-10	1,000,000	3.85E-04
390	3.68163	8.4549E-06	3.1128E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.23E-10	1,000,000	4.23E-04
391	3.8273	8.4549E-06	3.2359E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.40E-10	1,000,000	4.40E-04
392	3.73174	8.4549E-06	3.1551E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
393	3.42666	8.4549E-06	2.8972E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.94E-10	1,000,000	3.94E-04
394	3.01328	8.4549E-06	2.5477E-05	3.46E-04	8.82E-09	0.25	1.57E-01	3.46E-10	1,000,000	3.46E-04
395	2.57193	8.4549E-06	2.1745E-05	3.46E-04	7.53E-09	0.25	1.57E-01	2.96E-10	1,000,000	2.96E-04
396	2.17274	8.4549E-06	1.837E-05	3.46E-04	6.36E-09	0.25	1.57E-01	2.50E-10	1,000,000	2.50E-04
397	1.83484	8.4549E-06	1.5513E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
398	1.55643	8.4549E-06	1.3159E-05	3.46E-04	4.56E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
399	1.03079	8.4549E-06	8.7152E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
400	1.19824	8.4549E-06	1.0131E-05	3.46E-04	3.51E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
401	1.40994	8.4549E-06	1.1921E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
402	1.68201	8.4549E-06	1.4221E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
403	2.03396	8.4549E-06	1.7197E-05	3.46E-04	5.95E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
404	2.48978	8.4549E-06	2.1051E-05	3.46E-04	7.29E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
405	3.07581	8.4549E-06	2.6006E-05	3.46E-04	9.00E-09	0.25	1.57E-01	3.54E-10	1,000,000	3.54E-04
406	3.79839	8.4549E-06	3.2115E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.37E-10	1,000,000	4.37E-04
407	4.59715	8.4549E-06	3.8868E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.29E-10	1,000,000	5.29E-04
408	5.30063	8.4549E-06	4.4816E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04
409	5.62725	8.4549E-06	4.7578E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.47E-10	1,000,000	6.47E-04
410	5.40811	8.4549E-06	4.5725E-05	3.46E-04	1.58E-08	0.25	1.57E-01	6.22E-10	1,000,000	6.22E-04
411	4.7754	8.4549E-06	4.0375E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.49E-10	1,000,000	5.49E-04
412	3.98511	8.4549E-06	3.3694E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.58E-10	1,000,000	4.58E-04
413	3.23061	8.4549E-06	2.7314E-05	3.46E-04	9.46E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
414	2.613	8.4549E-06	2.2093E-05	3.46E-04	7.65E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
415	2.13039	8.4549E-06	1.8012E-05	3.46E-04	6.24E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.75488	8.4549E-06	1.4837E-05	3.46E-04	5.14E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
417	1.08378	8.4549E-06	9.1632E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
418	1.27332	8.4549E-06	1.0766E-05	3.46E-04	3.73E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
419	1.51981	8.4549E-06	1.285E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
420	1.8488	8.4549E-06	1.5631E-05	3.46E-04	5.41E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
421	2.29769	8.4549E-06	1.9427E-05	3.46E-04	6.72E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
422	2.92337	8.4549E-06	2.4717E-05	3.46E-04	8.56E-09	0.25	1.57E-01	3.36E-10	1,000,000	3.36E-04
423	3.81213	8.4549E-06	3.2231E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
424	5.06362	8.4549E-06	4.2812E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.82E-10	1,000,000	5.82E-04
425	6.68776	8.4549E-06	5.6544E-05	3.46E-04	1.96E-08	0.25	1.57E-01	7.69E-10	1,000,000	7.69E-04
426	8.3684	8.4549E-06	7.0754E-05	3.46E-04	2.45E-08	0.25	1.57E-01	9.62E-10	1,000,000	9.62E-04
427	9.22495	8.4549E-06	7.7996E-05	3.46E-04	2.70E-08	0.25	1.57E-01	1.06E-09	1,000,000	1.06E-03
428	8.67752	8.4549E-06	7.3367E-05	3.46E-04	2.54E-08	0.25	1.57E-01	9.98E-10	1,000,000	9.98E-04
429	7.11487	8.4549E-06	6.0155E-05	3.46E-04	2.08E-08	0.25	1.57E-01	8.18E-10	1,000,000	8.18E-04
430	5.42576	8.4549E-06	4.5874E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.24E-10	1,000,000	6.24E-04
431	4.09112	8.4549E-06	3.459E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.70E-10	1,000,000	4.70E-04
432	3.13732	8.4549E-06	2.6526E-05	3.46E-04	9.18E-09	0.25	1.57E-01	3.61E-10	1,000,000	3.61E-04
433	2.47289	8.4549E-06	2.0908E-05	3.46E-04	7.24E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04
434	1.98546	8.4549E-06	1.6787E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
435	0.99143	8.4549E-06	8.3824E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
436	1.2214	8.4549E-06	1.0327E-05	3.46E-04	3.57E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
437	1.59665	8.4549E-06	1.3499E-05	3.46E-04	4.67E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
438	1.99098	8.4549E-06	1.6833E-05	3.46E-04	5.83E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
439	2.53386	8.4549E-06	2.1423E-05	3.46E-04	7.42E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
440	3.34713	8.4549E-06	2.83E-05	3.46E-04	9.80E-09	0.25	1.57E-01	3.85E-10	1,000,000	3.85E-04
441	4.6328	8.4549E-06	3.917E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.33E-10	1,000,000	5.33E-04
442	6.7755	8.4549E-06	5.7286E-05	3.46E-04	1.98E-08	0.25	1.57E-01	7.79E-10	1,000,000	7.79E-04
443	10.38565	8.4549E-06	8.7809E-05	3.46E-04	3.04E-08	0.25	1.57E-01	1.19E-09	1,000,000	1.19E-03
444	15.37944	8.4549E-06	0.00013003	3.46E-04	4.50E-08	0.25	1.57E-01	1.77E-09	1,000,000	1.77E-03
445	18.52051	8.4549E-06	0.00015659	3.46E-04	5.42E-08	0.25	1.57E-01	2.13E-09	1,000,000	2.13E-03
446	16.52739	8.4549E-06	0.00013974	3.46E-04	4.84E-08	0.25	1.57E-01	1.90E-09	1,000,000	1.90E-03
447	11.6069	8.4549E-06	9.8135E-05	3.46E-04	3.40E-08	0.25	1.57E-01	1.33E-09	1,000,000	1.33E-03
448	7.60345	8.4549E-06	6.4286E-05	3.46E-04	2.23E-08	0.25	1.57E-01	8.74E-10	1,000,000	8.74E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	5.20384	8.4549E-06	4.3998E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.98E-10	1,000,000	5.98E-04
450	3.76205	8.4549E-06	3.1808E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
451	2.83115	8.4549E-06	2.3937E-05	3.46E-04	8.29E-09	0.25	1.57E-01	3.26E-10	1,000,000	3.26E-04
452	2.22223	8.4549E-06	1.8789E-05	3.46E-04	6.50E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
453	0.94277	8.4549E-06	7.971E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
454	1.14708	8.4549E-06	9.6984E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
455	1.47671	8.4549E-06	1.2485E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
456	1.97125	8.4549E-06	1.6667E-05	3.46E-04	5.77E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
457	2.69774	8.4549E-06	2.2809E-05	3.46E-04	7.90E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
458	3.66134	8.4549E-06	3.0956E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.21E-10	1,000,000	4.21E-04
459	5.32888	8.4549E-06	4.5055E-05	3.46E-04	1.56E-08	0.25	1.57E-01	6.13E-10	1,000,000	6.13E-04
460	8.62851	8.4549E-06	7.2953E-05	3.46E-04	2.53E-08	0.25	1.57E-01	9.92E-10	1,000,000	9.92E-04
461	16.61117	8.4549E-06	0.00014045	3.46E-04	4.86E-08	0.25	1.57E-01	1.91E-09	1,000,000	1.91E-03
462	38.24642	8.4549E-06	0.00032337	3.46E-04	1.12E-07	0.25	1.57E-01	4.40E-09	1,000,000	4.40E-03
463	57.81867	8.4549E-06	0.00048885	3.46E-04	1.69E-07	0.25	1.57E-01	6.65E-09	1,000,000	6.65E-03
464	46.03686	8.4549E-06	0.00038924	3.46E-04	1.35E-07	0.25	1.57E-01	5.29E-09	1,000,000	5.29E-03
465	21.26789	8.4549E-06	0.00017982	3.46E-04	6.22E-08	0.25	1.57E-01	2.45E-09	1,000,000	2.45E-03
466	10.79385	8.4549E-06	9.1261E-05	3.46E-04	3.16E-08	0.25	1.57E-01	1.24E-09	1,000,000	1.24E-03
467	6.54438	8.4549E-06	5.5332E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.52E-10	1,000,000	7.52E-04
468	4.42891	8.4549E-06	3.7446E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.09E-10	1,000,000	5.09E-04
469	3.22006	8.4549E-06	2.7225E-05	3.46E-04	9.42E-09	0.25	1.57E-01	3.70E-10	1,000,000	3.70E-04
470	2.46175	8.4549E-06	2.0814E-05	3.46E-04	7.20E-09	0.25	1.57E-01	2.83E-10	1,000,000	2.83E-04
471	0.85421	8.4549E-06	7.2222E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.82E-11	1,000,000	9.82E-05
472	1.08461	8.4549E-06	9.1702E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
473	1.37828	8.4549E-06	1.1653E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
474	1.76325	8.4549E-06	1.4908E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
475	2.33078	8.4549E-06	1.9706E-05	3.46E-04	6.82E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
476	13.71892	8.4549E-06	0.00011599	3.46E-04	4.02E-08	0.25	1.57E-01	1.58E-09	1,000,000	1.58E-03
477	7.61947	8.4549E-06	6.4422E-05	3.46E-04	2.23E-08	0.25	1.57E-01	8.76E-10	1,000,000	8.76E-04
478	4.97473	8.4549E-06	4.2061E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.72E-10	1,000,000	5.72E-04
479	3.53289	8.4549E-06	2.987E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.06E-10	1,000,000	4.06E-04
480	2.65485	8.4549E-06	2.2446E-05	3.46E-04	7.77E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04
481	0.77182	8.4549E-06	6.5256E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	0.97846	8.4549E-06	8.2728E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
483	1.20773	8.4549E-06	1.0211E-05	3.46E-04	3.53E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
484	1.5561	8.4549E-06	1.3157E-05	3.46E-04	4.55E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
485	2.16608	8.4549E-06	1.8314E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
486	12.25246	8.4549E-06	0.00010359	3.46E-04	3.59E-08	0.25	1.57E-01	1.41E-09	1,000,000	1.41E-03
487	7.45869	8.4549E-06	6.3062E-05	3.46E-04	2.18E-08	0.25	1.57E-01	8.58E-10	1,000,000	8.58E-04
488	4.99917	8.4549E-06	4.2267E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.75E-10	1,000,000	5.75E-04
489	3.59928	8.4549E-06	3.0431E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.14E-10	1,000,000	4.14E-04
490	2.72242	8.4549E-06	2.3018E-05	3.46E-04	7.97E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
491	0.68296	8.4549E-06	5.7743E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.85E-11	1,000,000	7.85E-05
492	0.84056	8.4549E-06	7.1068E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
493	1.02531	8.4549E-06	8.6689E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
494	1.31682	8.4549E-06	1.1134E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
495	1.78517	8.4549E-06	1.5093E-05	3.46E-04	5.22E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
496	5.72478	8.4549E-06	4.8402E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.58E-10	1,000,000	6.58E-04
497	8.34464	8.4549E-06	7.0553E-05	3.46E-04	2.44E-08	0.25	1.57E-01	9.59E-10	1,000,000	9.59E-04
498	12.10793	8.4549E-06	0.00010237	3.46E-04	3.54E-08	0.25	1.57E-01	1.39E-09	1,000,000	1.39E-03
499	8.60091	8.4549E-06	7.272E-05	3.46E-04	2.52E-08	0.25	1.57E-01	9.89E-10	1,000,000	9.89E-04
500	6.09745	8.4549E-06	5.1553E-05	3.46E-04	1.78E-08	0.25	1.57E-01	7.01E-10	1,000,000	7.01E-04
501	4.4484	8.4549E-06	3.7611E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.11E-10	1,000,000	5.11E-04
502	3.3565	8.4549E-06	2.8379E-05	3.46E-04	9.82E-09	0.25	1.57E-01	3.86E-10	1,000,000	3.86E-04
503	2.61325	8.4549E-06	2.2095E-05	3.46E-04	7.65E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
504	0.6048	8.4549E-06	5.1135E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.95E-11	1,000,000	6.95E-05
505	0.71073	8.4549E-06	6.0091E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.17E-11	1,000,000	8.17E-05
506	0.8943	8.4549E-06	7.5612E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
507	1.08974	8.4549E-06	9.2136E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
508	1.46196	8.4549E-06	1.2361E-05	3.46E-04	4.28E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
509	1.92916	8.4549E-06	1.6311E-05	3.46E-04	5.65E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
510	2.62847	8.4549E-06	2.2223E-05	3.46E-04	7.69E-09	0.25	1.57E-01	3.02E-10	1,000,000	3.02E-04
511	3.71406	8.4549E-06	3.1402E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.27E-10	1,000,000	4.27E-04
512	5.2214	8.4549E-06	4.4146E-05	3.46E-04	1.53E-08	0.25	1.57E-01	6.00E-10	1,000,000	6.00E-04
513	6.79521	8.4549E-06	5.7453E-05	3.46E-04	1.99E-08	0.25	1.57E-01	7.81E-10	1,000,000	7.81E-04
514	8.36212	8.4549E-06	7.0701E-05	3.46E-04	2.45E-08	0.25	1.57E-01	9.61E-10	1,000,000	9.61E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.38448	8.4549E-06	7.089E-05	3.46E-04	2.45E-08	0.25	1.57E-01	9.64E-10	1,000,000	9.64E-04
516	7.22367	8.4549E-06	6.1075E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.31E-10	1,000,000	8.31E-04
517	5.84287	8.4549E-06	4.9401E-05	3.46E-04	1.71E-08	0.25	1.57E-01	6.72E-10	1,000,000	6.72E-04
518	4.6216	8.4549E-06	3.9075E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.31E-10	1,000,000	5.31E-04
519	3.65676	8.4549E-06	3.0917E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.20E-10	1,000,000	4.20E-04
520	2.92147	8.4549E-06	2.4701E-05	3.46E-04	8.55E-09	0.25	1.57E-01	3.36E-10	1,000,000	3.36E-04
521	2.36719	8.4549E-06	2.0014E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
522	0.52923	8.4549E-06	4.4746E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.09E-11	1,000,000	6.09E-05
523	0.63144	8.4549E-06	5.3387E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.26E-11	1,000,000	7.26E-05
524	0.76062	8.4549E-06	6.4309E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05
525	0.92159	8.4549E-06	7.7919E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
526	1.10423	8.4549E-06	9.3361E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
527	1.48905	8.4549E-06	1.259E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
528	1.92722	8.4549E-06	1.6294E-05	3.46E-04	5.64E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
529	2.52898	8.4549E-06	2.1382E-05	3.46E-04	7.40E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
530	3.35042	8.4549E-06	2.8327E-05	3.46E-04	9.81E-09	0.25	1.57E-01	3.85E-10	1,000,000	3.85E-04
531	4.09848	8.4549E-06	3.4652E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.71E-10	1,000,000	4.71E-04
532	4.67285	8.4549E-06	3.9508E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.37E-10	1,000,000	5.37E-04
533	5.21374	8.4549E-06	4.4082E-05	3.46E-04	1.53E-08	0.25	1.57E-01	5.99E-10	1,000,000	5.99E-04
534	4.48624	8.4549E-06	3.7931E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.16E-10	1,000,000	5.16E-04
535	4.103	8.4549E-06	3.469E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.72E-10	1,000,000	4.72E-04
536	3.49705	8.4549E-06	2.9567E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.02E-10	1,000,000	4.02E-04
537	2.93107	8.4549E-06	2.4782E-05	3.46E-04	8.58E-09	0.25	1.57E-01	3.37E-10	1,000,000	3.37E-04
538	2.45432	8.4549E-06	2.0751E-05	3.46E-04	7.18E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
539	2.06654	8.4549E-06	1.7472E-05	3.46E-04	6.05E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
540	0.46404	8.4549E-06	3.9234E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.34E-11	1,000,000	5.34E-05
541	0.54433	8.4549E-06	4.6022E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.26E-11	1,000,000	6.26E-05
542	0.64193	8.4549E-06	5.4274E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.38E-11	1,000,000	7.38E-05
543	0.76438	8.4549E-06	6.4627E-06	3.46E-04	2.24E-09	0.25	1.57E-01	8.79E-11	1,000,000	8.79E-05
544	0.94289	8.4549E-06	7.972E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
545	1.13578	8.4549E-06	9.6029E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
546	1.42372	8.4549E-06	1.2037E-05	3.46E-04	4.17E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
547	1.75511	8.4549E-06	1.4839E-05	3.46E-04	5.14E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	2.22357	8.4549E-06	1.88E-05	3.46E-04	6.51E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
549	2.6689	8.4549E-06	2.2565E-05	3.46E-04	7.81E-09	0.25	1.57E-01	3.07E-10	1,000,000	3.07E-04
550	3.06462	8.4549E-06	2.5911E-05	3.46E-04	8.97E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
551	3.67358	8.4549E-06	3.106E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
552	2.98446	8.4549E-06	2.5233E-05	3.46E-04	8.73E-09	0.25	1.57E-01	3.43E-10	1,000,000	3.43E-04
553	2.72485	8.4549E-06	2.3038E-05	3.46E-04	7.98E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
554	2.48682	8.4549E-06	2.1026E-05	3.46E-04	7.28E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
555	2.3649	8.4549E-06	1.9995E-05	3.46E-04	6.92E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
556	2.04781	8.4549E-06	1.7314E-05	3.46E-04	5.99E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
557	1.77481	8.4549E-06	1.5006E-05	3.46E-04	5.19E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
558	0.4079	8.4549E-06	3.4487E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
559	0.47202	8.4549E-06	3.9909E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.43E-11	1,000,000	5.43E-05
560	0.53624	8.4549E-06	4.5338E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
561	0.63043	8.4549E-06	5.3302E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.25E-11	1,000,000	7.25E-05
562	0.73088	8.4549E-06	6.1795E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.40E-11	1,000,000	8.40E-05
563	0.86889	8.4549E-06	7.3464E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.99E-11	1,000,000	9.99E-05
564	1.07399	8.4549E-06	9.0805E-06	3.46E-04	3.14E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
565	1.27181	8.4549E-06	1.0753E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
566	1.56237	8.4549E-06	1.321E-05	3.46E-04	4.57E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
567	1.82505	8.4549E-06	1.5431E-05	3.46E-04	5.34E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
568	2.11988	8.4549E-06	1.7923E-05	3.46E-04	6.20E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
569	2.02976	8.4549E-06	1.7161E-05	3.46E-04	5.94E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
570	1.93356	8.4549E-06	1.6348E-05	3.46E-04	5.66E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
571	1.92385	8.4549E-06	1.6266E-05	3.46E-04	5.63E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
572	1.89582	8.4549E-06	1.6029E-05	3.46E-04	5.55E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
573	1.76879	8.4549E-06	1.4955E-05	3.46E-04	5.18E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
574	1.65162	8.4549E-06	1.3964E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
575	1.54048	8.4549E-06	1.3025E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	5.8267E-06	1.05E-03	6.09E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.9E-03
2	8.4549E-06	6.4615E-06	1.05E-03	6.75E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
3	8.4549E-06	7.1902E-06	1.05E-03	7.52E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
4	8.4549E-06	8.0221E-06	1.05E-03	8.38E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03
5	8.4549E-06	8.9688E-06	1.05E-03	9.37E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
6	8.4549E-06	1.0031E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
7	8.4549E-06	1.1187E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
8	8.4549E-06	1.2405E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
9	8.4549E-06	1.3626E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.48E-09	1,000,000	4.48E-03
10	8.4549E-06	1.4733E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
11	8.4549E-06	1.5596E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.12E-09	1,000,000	5.12E-03
12	8.4549E-06	1.6091E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
13	8.4549E-06	1.6131E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.30E-09	1,000,000	5.30E-03
14	8.4549E-06	1.5703E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.16E-09	1,000,000	5.16E-03
15	8.4549E-06	1.4884E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03
16	8.4549E-06	1.3785E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
17	8.4549E-06	1.2586E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.13E-09	1,000,000	4.13E-03
18	8.4549E-06	1.136E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.73E-09	1,000,000	3.73E-03
19	8.4549E-06	1.0177E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
20	8.4549E-06	9.1128E-06	1.05E-03	9.52E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
21	8.4549E-06	8.1548E-06	1.05E-03	8.52E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
22	8.4549E-06	7.2993E-06	1.05E-03	7.63E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
23	8.4549E-06	6.211E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
24	8.4549E-06	6.9508E-06	1.05E-03	7.26E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
25	8.4549E-06	7.8181E-06	1.05E-03	8.17E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
26	8.4549E-06	8.8361E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.4549E-06	1.0026E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.29E-09	1,000,000	3.29E-03
28	8.4549E-06	1.1414E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
29	8.4549E-06	1.2983E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
30	8.4549E-06	1.4726E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
31	8.4549E-06	1.6537E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.43E-09	1,000,000	5.43E-03
32	8.4549E-06	1.8261E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.00E-09	1,000,000	6.00E-03
33	8.4549E-06	1.9652E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.46E-09	1,000,000	6.46E-03
34	8.4549E-06	2.05E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.73E-09	1,000,000	6.73E-03
35	8.4549E-06	2.0594E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.76E-09	1,000,000	6.76E-03
36	8.4549E-06	1.9911E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.54E-09	1,000,000	6.54E-03
37	8.4549E-06	1.8519E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
38	8.4549E-06	1.681E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
39	8.4549E-06	1.5026E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
40	8.4549E-06	1.327E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.36E-09	1,000,000	4.36E-03
41	8.4549E-06	1.165E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
42	8.4549E-06	1.0224E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
43	8.4549E-06	8.993E-06	1.05E-03	9.40E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
44	8.4549E-06	7.9881E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
45	8.4549E-06	6.587E-06	1.05E-03	6.88E-09	2.00	1.57E-01	2.16E-09	1,000,000	2.16E-03
46	8.4549E-06	7.4394E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
47	8.4549E-06	8.4616E-06	1.05E-03	8.84E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
48	8.4549E-06	9.6944E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
49	8.4549E-06	1.1184E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
50	8.4549E-06	1.2983E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
51	8.4549E-06	1.5133E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.97E-09	1,000,000	4.97E-03
52	8.4549E-06	1.7639E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.79E-09	1,000,000	5.79E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.4549E-06	2.0431E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.71E-09	1,000,000	6.71E-03
54	8.4549E-06	2.3246E-05	1.05E-03	2.43E-08	2.00	1.57E-01	7.64E-09	1,000,000	7.64E-03
55	8.4549E-06	2.5678E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.44E-09	1,000,000	8.44E-03
56	8.4549E-06	2.7196E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.93E-09	1,000,000	8.93E-03
57	8.4549E-06	2.7354E-05	1.05E-03	2.86E-08	2.00	1.57E-01	8.99E-09	1,000,000	8.99E-03
58	8.4549E-06	2.6174E-05	1.05E-03	2.74E-08	2.00	1.57E-01	8.60E-09	1,000,000	8.60E-03
59	8.4549E-06	2.3758E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.80E-09	1,000,000	7.80E-03
60	8.4549E-06	2.0929E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.88E-09	1,000,000	6.88E-03
61	8.4549E-06	1.8152E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.96E-09	1,000,000	5.96E-03
62	8.4549E-06	1.5574E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.12E-09	1,000,000	5.12E-03
63	8.4549E-06	1.3353E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
64	8.4549E-06	1.1499E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
65	8.4549E-06	9.9756E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
66	8.4549E-06	8.7192E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
67	8.4549E-06	6.9353E-06	1.05E-03	7.25E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
68	8.4549E-06	7.903E-06	1.05E-03	8.26E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
69	8.4549E-06	9.0876E-06	1.05E-03	9.50E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
70	8.4549E-06	1.0558E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.47E-09	1,000,000	3.47E-03
71	8.4549E-06	1.2397E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
72	8.4549E-06	1.4715E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
73	8.4549E-06	1.7642E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
74	8.4549E-06	2.1284E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.99E-09	1,000,000	6.99E-03
75	8.4549E-06	2.5673E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.43E-09	1,000,000	8.43E-03
76	8.4549E-06	3.0561E-05	1.05E-03	3.19E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
77	8.4549E-06	3.5195E-05	1.05E-03	3.68E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
78	8.4549E-06	3.8336E-05	1.05E-03	4.01E-08	2.00	1.57E-01	1.26E-08	1,000,000	1.26E-02
79	8.4549E-06	3.8629E-05	1.05E-03	4.04E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
80	8.4549E-06	3.606E-05	1.05E-03	3.77E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
81	8.4549E-06	3.1611E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
82	8.4549E-06	2.6741E-05	1.05E-03	2.79E-08	2.00	1.57E-01	8.78E-09	1,000,000	8.78E-03
83	8.4549E-06	2.2166E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.28E-09	1,000,000	7.28E-03
84	8.4549E-06	1.8377E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.04E-09	1,000,000	6.04E-03
85	8.4549E-06	1.5241E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.4549E-06	1.2896E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.24E-09	1,000,000	4.24E-03
87	8.4549E-06	1.0991E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
88	8.4549E-06	9.4843E-06	1.05E-03	9.91E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
89	8.4549E-06	7.242E-06	1.05E-03	7.57E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
90	8.4549E-06	8.3181E-06	1.05E-03	8.69E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
91	8.4549E-06	9.6611E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
92	8.4549E-06	1.1368E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.73E-09	1,000,000	3.73E-03
93	8.4549E-06	1.358E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.46E-09	1,000,000	4.46E-03
94	8.4549E-06	1.6508E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
95	8.4549E-06	2.0419E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.71E-09	1,000,000	6.71E-03
96	8.4549E-06	2.5698E-05	1.05E-03	2.69E-08	2.00	1.57E-01	8.44E-09	1,000,000	8.44E-03
97	8.4549E-06	3.2766E-05	1.05E-03	3.42E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
98	8.4549E-06	4.1686E-05	1.05E-03	4.36E-08	2.00	1.57E-01	1.37E-08	1,000,000	1.37E-02
99	8.4549E-06	5.1297E-05	1.05E-03	5.36E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02
100	8.4549E-06	5.8471E-05	1.05E-03	6.11E-08	2.00	1.57E-01	1.92E-08	1,000,000	1.92E-02
101	8.4549E-06	5.931E-05	1.05E-03	6.20E-08	2.00	1.57E-01	1.95E-08	1,000,000	1.95E-02
102	8.4549E-06	5.3314E-05	1.05E-03	5.57E-08	2.00	1.57E-01	1.75E-08	1,000,000	1.75E-02
103	8.4549E-06	4.3946E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
104	8.4549E-06	3.4679E-05	1.05E-03	3.62E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
105	8.4549E-06	2.7272E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.96E-09	1,000,000	8.96E-03
106	8.4549E-06	2.1659E-05	1.05E-03	2.26E-08	2.00	1.57E-01	7.11E-09	1,000,000	7.11E-03
107	8.4549E-06	1.749E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
108	8.4549E-06	1.4402E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.73E-09	1,000,000	4.73E-03
109	8.4549E-06	1.2061E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.96E-09	1,000,000	3.96E-03
110	8.4549E-06	1.0279E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
111	8.4549E-06	6.8631E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
112	8.4549E-06	8.4936E-06	1.05E-03	8.88E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
113	8.4549E-06	9.545E-06	1.05E-03	9.98E-09	2.00	1.57E-01	3.14E-09	1,000,000	3.14E-03
114	8.4549E-06	1.1408E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
115	8.4549E-06	1.464E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.81E-09	1,000,000	4.81E-03
116	8.4549E-06	1.819E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.98E-09	1,000,000	5.98E-03
117	8.4549E-06	2.3228E-05	1.05E-03	2.43E-08	2.00	1.57E-01	7.63E-09	1,000,000	7.63E-03
118	8.4549E-06	3.0649E-05	1.05E-03	3.20E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.4549E-06	4.1912E-05	1.05E-03	4.38E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
120	8.4549E-06	5.8966E-05	1.05E-03	6.16E-08	2.00	1.57E-01	1.94E-08	1,000,000	1.94E-02
121	8.4549E-06	8.2025E-05	1.05E-03	8.57E-08	2.00	1.57E-01	2.69E-08	1,000,000	2.69E-02
122	8.4549E-06	0.00010251	1.05E-03	1.07E-07	2.00	1.57E-01	3.37E-08	1,000,000	3.37E-02
123	8.4549E-06	0.00010524	1.05E-03	1.10E-07	2.00	1.57E-01	3.46E-08	1,000,000	3.46E-02
124	8.4549E-06	8.7684E-05	1.05E-03	9.16E-08	2.00	1.57E-01	2.88E-08	1,000,000	2.88E-02
125	8.4549E-06	6.4302E-05	1.05E-03	6.72E-08	2.00	1.57E-01	2.11E-08	1,000,000	2.11E-02
126	8.4549E-06	4.5806E-05	1.05E-03	4.79E-08	2.00	1.57E-01	1.50E-08	1,000,000	1.50E-02
127	8.4549E-06	3.355E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
128	8.4549E-06	2.5439E-05	1.05E-03	2.66E-08	2.00	1.57E-01	8.36E-09	1,000,000	8.36E-03
129	8.4549E-06	1.9886E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.53E-09	1,000,000	6.53E-03
130	8.4549E-06	1.6023E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
131	8.4549E-06	1.3194E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
132	8.4549E-06	1.1096E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
133	8.4549E-06	6.4171E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
134	8.4549E-06	7.553E-06	1.05E-03	7.89E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
135	8.4549E-06	8.9754E-06	1.05E-03	9.38E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
136	8.4549E-06	1.1306E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
137	8.4549E-06	1.545E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
138	8.4549E-06	1.9508E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.41E-09	1,000,000	6.41E-03
139	8.4549E-06	2.5578E-05	1.05E-03	2.67E-08	2.00	1.57E-01	8.40E-09	1,000,000	8.40E-03
140	8.4549E-06	3.5225E-05	1.05E-03	3.68E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
141	8.4549E-06	5.2076E-05	1.05E-03	5.44E-08	2.00	1.57E-01	1.71E-08	1,000,000	1.71E-02
142	8.4549E-06	8.4347E-05	1.05E-03	8.82E-08	2.00	1.57E-01	2.77E-08	1,000,000	2.77E-02
143	8.4549E-06	0.00014875	1.05E-03	1.55E-07	2.00	1.57E-01	4.89E-08	1,000,000	4.89E-02
144	8.4549E-06	0.00023354	1.05E-03	2.44E-07	2.00	1.57E-01	7.67E-08	1,000,000	7.67E-02
145	8.4549E-06	0.00024676	1.05E-03	2.58E-07	2.00	1.57E-01	8.11E-08	1,000,000	8.11E-02
146	8.4549E-06	0.0001716	1.05E-03	1.79E-07	2.00	1.57E-01	5.64E-08	1,000,000	5.64E-02
147	8.4549E-06	9.9198E-05	1.05E-03	1.04E-07	2.00	1.57E-01	3.26E-08	1,000,000	3.26E-02
148	8.4549E-06	6.0901E-05	1.05E-03	6.37E-08	2.00	1.57E-01	2.00E-08	1,000,000	2.00E-02
149	8.4549E-06	4.1086E-05	1.05E-03	4.29E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
150	8.4549E-06	2.9577E-05	1.05E-03	3.09E-08	2.00	1.57E-01	9.72E-09	1,000,000	9.72E-03
151	8.4549E-06	2.2407E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.36E-09	1,000,000	7.36E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.4549E-06	1.7674E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.81E-09	1,000,000	5.81E-03
153	8.4549E-06	1.4337E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.71E-09	1,000,000	4.71E-03
154	8.4549E-06	1.1907E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
155	8.4549E-06	5.6444E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
156	8.4549E-06	6.7928E-06	1.05E-03	7.10E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
157	8.4549E-06	8.5831E-06	1.05E-03	8.97E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
158	8.4549E-06	1.0462E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
159	8.4549E-06	1.3479E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
160	8.4549E-06	1.7817E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.85E-09	1,000,000	5.85E-03
161	8.4549E-06	2.4739E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.13E-09	1,000,000	8.13E-03
162	8.4549E-06	3.8011E-05	1.05E-03	3.97E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
163	8.4549E-06	5.9189E-05	1.05E-03	6.19E-08	2.00	1.57E-01	1.94E-08	1,000,000	1.94E-02
164	8.4549E-06	0.00010958	1.05E-03	1.15E-07	2.00	1.57E-01	3.60E-08	1,000,000	3.60E-02
165	8.4549E-06	0.00030368	1.05E-03	3.17E-07	2.00	1.57E-01	9.98E-08	1,000,000	9.98E-02
166	8.4549E-06	0.00118873	1.05E-03	1.24E-06	2.00	1.57E-01	3.90E-07	1,000,000	3.90E-01
167	8.4549E-06	0.00130692	1.05E-03	1.37E-06	2.00	1.57E-01	4.29E-07	1,000,000	4.29E-01
168	8.4549E-06	0.0004884	1.05E-03	5.10E-07	2.00	1.57E-01	1.60E-07	1,000,000	1.60E-01
169	8.4549E-06	0.00015427	1.05E-03	1.61E-07	2.00	1.57E-01	5.07E-08	1,000,000	5.07E-02
170	8.4549E-06	7.8453E-05	1.05E-03	8.20E-08	2.00	1.57E-01	2.58E-08	1,000,000	2.58E-02
171	8.4549E-06	4.8587E-05	1.05E-03	5.08E-08	2.00	1.57E-01	1.60E-08	1,000,000	1.60E-02
172	8.4549E-06	3.3629E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
173	8.4549E-06	2.4816E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.15E-09	1,000,000	8.15E-03
174	8.4549E-06	1.9204E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.31E-09	1,000,000	6.31E-03
175	8.4549E-06	1.5395E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.06E-09	1,000,000	5.06E-03
176	8.4549E-06	1.266E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
177	8.4549E-06	5.2282E-06	1.05E-03	5.46E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
178	8.4549E-06	6.3709E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
179	8.4549E-06	8.0572E-06	1.05E-03	8.42E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
180	8.4549E-06	1.0246E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
181	8.4549E-06	1.2976E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
182	8.4549E-06	1.6757E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.50E-09	1,000,000	5.50E-03
183	8.4549E-06	2.2848E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.51E-09	1,000,000	7.51E-03
184	8.4549E-06	0.00016589	1.05E-03	1.73E-07	2.00	1.57E-01	5.45E-08	1,000,000	5.45E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.4549E-06	8.4672E-05	1.05E-03	8.85E-08	2.00	1.57E-01	2.78E-08	1,000,000	2.78E-02
186	8.4549E-06	5.2343E-05	1.05E-03	5.47E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
187	8.4549E-06	3.5825E-05	1.05E-03	3.74E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
188	8.4549E-06	2.6243E-05	1.05E-03	2.74E-08	2.00	1.57E-01	8.62E-09	1,000,000	8.62E-03
189	8.4549E-06	2.0192E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.63E-09	1,000,000	6.63E-03
190	8.4549E-06	1.6094E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
191	8.4549E-06	1.3175E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
192	8.4549E-06	4.7205E-06	1.05E-03	4.93E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
193	8.4549E-06	5.6233E-06	1.05E-03	5.88E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
194	8.4549E-06	6.9875E-06	1.05E-03	7.30E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
195	8.4549E-06	8.7633E-06	1.05E-03	9.16E-09	2.00	1.57E-01	2.88E-09	1,000,000	2.88E-03
196	8.4549E-06	1.1391E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
197	8.4549E-06	1.4537E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.78E-09	1,000,000	4.78E-03
198	8.4549E-06	1.999E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
199	8.4549E-06	7.2475E-05	1.05E-03	7.58E-08	2.00	1.57E-01	2.38E-08	1,000,000	2.38E-02
200	8.4549E-06	0.00011063	1.05E-03	1.16E-07	2.00	1.57E-01	3.63E-08	1,000,000	3.63E-02
201	8.4549E-06	7.0921E-05	1.05E-03	7.41E-08	2.00	1.57E-01	2.33E-08	1,000,000	2.33E-02
202	8.4549E-06	4.8008E-05	1.05E-03	5.02E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
203	8.4549E-06	3.444E-05	1.05E-03	3.60E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
204	8.4549E-06	2.5859E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
205	8.4549E-06	2.0156E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.62E-09	1,000,000	6.62E-03
206	8.4549E-06	1.6182E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.32E-09	1,000,000	5.32E-03
207	8.4549E-06	1.3312E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.37E-09	1,000,000	4.37E-03
208	8.4549E-06	4.2663E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
209	8.4549E-06	5.0342E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
210	8.4549E-06	5.8681E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
211	8.4549E-06	7.3125E-06	1.05E-03	7.64E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
212	8.4549E-06	9.0675E-06	1.05E-03	9.48E-09	2.00	1.57E-01	2.98E-09	1,000,000	2.98E-03
213	8.4549E-06	1.1794E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.87E-09	1,000,000	3.87E-03
214	8.4549E-06	1.6133E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.30E-09	1,000,000	5.30E-03
215	8.4549E-06	2.2122E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.27E-09	1,000,000	7.27E-03
216	8.4549E-06	3.3223E-05	1.05E-03	3.47E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
217	8.4549E-06	4.7537E-05	1.05E-03	4.97E-08	2.00	1.57E-01	1.56E-08	1,000,000	1.56E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.4549E-06	8.7218E-05	1.05E-03	9.12E-08	2.00	1.57E-01	2.87E-08	1,000,000	2.87E-02
219	8.4549E-06	6.8597E-05	1.05E-03	7.17E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02
220	8.4549E-06	5.1872E-05	1.05E-03	5.42E-08	2.00	1.57E-01	1.70E-08	1,000,000	1.70E-02
221	8.4549E-06	3.9233E-05	1.05E-03	4.10E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
222	8.4549E-06	3.0156E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.91E-09	1,000,000	9.91E-03
223	8.4549E-06	2.3683E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.78E-09	1,000,000	7.78E-03
224	8.4549E-06	1.9005E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.24E-09	1,000,000	6.24E-03
225	8.4549E-06	1.5557E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.11E-09	1,000,000	5.11E-03
226	8.4549E-06	1.2968E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
227	8.4549E-06	3.8274E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
228	8.4549E-06	4.4306E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
229	8.4549E-06	5.1854E-06	1.05E-03	5.42E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
230	8.4549E-06	6.2253E-06	1.05E-03	6.51E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
231	8.4549E-06	7.6229E-06	1.05E-03	7.97E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
232	8.4549E-06	9.3167E-06	1.05E-03	9.74E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
233	8.4549E-06	1.2464E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
234	8.4549E-06	1.6449E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
235	8.4549E-06	2.2416E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.36E-09	1,000,000	7.36E-03
236	8.4549E-06	3.0641E-05	1.05E-03	3.20E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
237	8.4549E-06	3.9637E-05	1.05E-03	4.14E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
238	8.4549E-06	4.8267E-05	1.05E-03	5.04E-08	2.00	1.57E-01	1.59E-08	1,000,000	1.59E-02
239	8.4549E-06	5.3576E-05	1.05E-03	5.60E-08	2.00	1.57E-01	1.76E-08	1,000,000	1.76E-02
240	8.4549E-06	5.2011E-05	1.05E-03	5.44E-08	2.00	1.57E-01	1.71E-08	1,000,000	1.71E-02
241	8.4549E-06	4.5316E-05	1.05E-03	4.74E-08	2.00	1.57E-01	1.49E-08	1,000,000	1.49E-02
242	8.4549E-06	3.7185E-05	1.05E-03	3.89E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
243	8.4549E-06	3.0612E-05	1.05E-03	3.20E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
244	8.4549E-06	2.5046E-05	1.05E-03	2.62E-08	2.00	1.57E-01	8.23E-09	1,000,000	8.23E-03
245	8.4549E-06	2.0608E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.77E-09	1,000,000	6.77E-03
246	8.4549E-06	1.712E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.62E-09	1,000,000	5.62E-03
247	8.4549E-06	1.438E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.72E-09	1,000,000	4.72E-03
248	8.4549E-06	1.2217E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.01E-09	1,000,000	4.01E-03
249	8.4549E-06	3.4445E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
250	8.4549E-06	3.9251E-06	1.05E-03	4.10E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.4549E-06	4.5133E-06	1.05E-03	4.72E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
252	8.4549E-06	5.362E-06	1.05E-03	5.60E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
253	8.4549E-06	6.3821E-06	1.05E-03	6.67E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
254	8.4549E-06	7.9686E-06	1.05E-03	8.33E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
255	8.4549E-06	9.7647E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
256	8.4549E-06	1.2782E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
257	8.4549E-06	1.589E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.22E-09	1,000,000	5.22E-03
258	8.4549E-06	1.9753E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
259	8.4549E-06	2.5269E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.30E-09	1,000,000	8.30E-03
260	8.4549E-06	3.0093E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.89E-09	1,000,000	9.89E-03
261	8.4549E-06	3.2991E-05	1.05E-03	3.45E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
262	8.4549E-06	3.1984E-05	1.05E-03	3.34E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
263	8.4549E-06	2.9212E-05	1.05E-03	3.05E-08	2.00	1.57E-01	9.60E-09	1,000,000	9.60E-03
264	8.4549E-06	2.638E-05	1.05E-03	2.76E-08	2.00	1.57E-01	8.67E-09	1,000,000	8.67E-03
265	8.4549E-06	2.4029E-05	1.05E-03	2.51E-08	2.00	1.57E-01	7.89E-09	1,000,000	7.89E-03
266	8.4549E-06	2.0523E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.74E-09	1,000,000	6.74E-03
267	8.4549E-06	1.7513E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
268	8.4549E-06	1.5011E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
269	8.4549E-06	1.2936E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.25E-09	1,000,000	4.25E-03
270	8.4549E-06	1.1216E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
271	8.4549E-06	3.0445E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
272	8.4549E-06	3.4257E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
273	8.4549E-06	3.9281E-06	1.05E-03	4.11E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
274	8.4549E-06	4.5413E-06	1.05E-03	4.75E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
275	8.4549E-06	5.3204E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
276	8.4549E-06	6.4103E-06	1.05E-03	6.70E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
277	8.4549E-06	7.7442E-06	1.05E-03	8.09E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
278	8.4549E-06	9.2831E-06	1.05E-03	9.70E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
279	8.4549E-06	1.1408E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
280	8.4549E-06	1.3903E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.57E-09	1,000,000	4.57E-03
281	8.4549E-06	1.7028E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.59E-09	1,000,000	5.59E-03
282	8.4549E-06	2.0334E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.68E-09	1,000,000	6.68E-03
283	8.4549E-06	2.1838E-05	1.05E-03	2.28E-08	2.00	1.57E-01	7.17E-09	1,000,000	7.17E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.4549E-06	2.0127E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.61E-09	1,000,000	6.61E-03
285	8.4549E-06	1.992E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.54E-09	1,000,000	6.54E-03
286	8.4549E-06	1.8724E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.15E-09	1,000,000	6.15E-03
287	8.4549E-06	1.7445E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
288	8.4549E-06	1.6374E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.38E-09	1,000,000	5.38E-03
289	8.4549E-06	1.4966E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.92E-09	1,000,000	4.92E-03
290	8.4549E-06	1.3023E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03
291	8.4549E-06	1.1464E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
292	8.4549E-06	1.0128E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.33E-09	1,000,000	3.33E-03
293	8.4549E-06	2.7064E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
294	8.4549E-06	3.032E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.96E-10	1,000,000	9.96E-04
295	8.4549E-06	3.4164E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
296	8.4549E-06	3.8547E-06	1.05E-03	4.03E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
297	8.4549E-06	4.4873E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
298	8.4549E-06	5.2253E-06	1.05E-03	5.46E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
299	8.4549E-06	6.1506E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
300	8.4549E-06	7.4275E-06	1.05E-03	7.76E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
301	8.4549E-06	8.5334E-06	1.05E-03	8.92E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
302	8.4549E-06	1.0287E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
303	8.4549E-06	1.2088E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
304	8.4549E-06	1.4158E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.65E-09	1,000,000	4.65E-03
305	8.4549E-06	1.5017E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
306	8.4549E-06	1.4302E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
307	8.4549E-06	1.3917E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.57E-09	1,000,000	4.57E-03
308	8.4549E-06	1.3212E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.34E-09	1,000,000	4.34E-03
309	8.4549E-06	1.3762E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
310	8.4549E-06	1.2777E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
311	8.4549E-06	1.2028E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
312	8.4549E-06	1.1389E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
313	8.4549E-06	1.042E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.42E-09	1,000,000	3.42E-03
314	8.4549E-06	9.5285E-06	1.05E-03	9.96E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
315	8.4549E-06	2.3616E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.76E-10	1,000,000	7.76E-04
316	8.4549E-06	2.6323E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.65E-10	1,000,000	8.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.4549E-06	2.9359E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.64E-10	1,000,000	9.64E-04
318	8.4549E-06	3.2803E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
319	8.4549E-06	3.6625E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
320	8.4549E-06	4.3481E-06	1.05E-03	4.54E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
321	8.4549E-06	4.9522E-06	1.05E-03	5.18E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
322	8.4549E-06	5.7541E-06	1.05E-03	6.01E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
323	8.4549E-06	6.8058E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
324	8.4549E-06	7.865E-06	1.05E-03	8.22E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
325	8.4549E-06	9.0016E-06	1.05E-03	9.41E-09	2.00	1.57E-01	2.96E-09	1,000,000	2.96E-03
326	8.4549E-06	1.023E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
327	8.4549E-06	1.2772E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
328	8.4549E-06	1.0396E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.41E-09	1,000,000	3.41E-03
329	8.4549E-06	1.0158E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
330	8.4549E-06	1.0082E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
331	8.4549E-06	1.0037E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
332	8.4549E-06	9.9682E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
333	8.4549E-06	9.448E-06	1.05E-03	9.88E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
334	8.4549E-06	9.3125E-06	1.05E-03	9.73E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
335	8.4549E-06	8.8422E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
336	8.4549E-06	8.3226E-06	1.05E-03	8.70E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
337	8.4549E-06	2.1065E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.92E-10	1,000,000	6.92E-04
338	8.4549E-06	2.3141E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.60E-10	1,000,000	7.60E-04
339	8.4549E-06	2.5273E-06	1.05E-03	2.64E-09	2.00	1.57E-01	8.30E-10	1,000,000	8.30E-04
340	8.4549E-06	2.8383E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.32E-10	1,000,000	9.32E-04
341	8.4549E-06	3.137E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
342	8.4549E-06	3.6472E-06	1.05E-03	3.81E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
343	8.4549E-06	4.0689E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
344	8.4549E-06	4.6733E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
345	8.4549E-06	5.3682E-06	1.05E-03	5.61E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
346	8.4549E-06	6.2353E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
347	8.4549E-06	6.9027E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
348	8.4549E-06	7.5962E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
349	8.4549E-06	7.3654E-06	1.05E-03	7.70E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.4549E-06	7.5359E-06	1.05E-03	7.88E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
351	8.4549E-06	7.6317E-06	1.05E-03	7.98E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
352	8.4549E-06	7.3657E-06	1.05E-03	7.70E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
353	8.4549E-06	7.6775E-06	1.05E-03	8.02E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
354	8.4549E-06	7.5089E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
355	8.4549E-06	7.527E-06	1.05E-03	7.87E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
356	8.4549E-06	7.51E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
357	8.4549E-06	7.2643E-06	1.05E-03	7.59E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
358	8.4549E-06	6.9597E-06	1.05E-03	7.27E-09	2.00	1.57E-01	2.29E-09	1,000,000	2.29E-03
359	8.4549E-06	1.8498E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.08E-10	1,000,000	6.08E-04
360	8.4549E-06	2.0316E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
361	8.4549E-06	2.2203E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.29E-10	1,000,000	7.29E-04
362	8.4549E-06	2.4354E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.00E-10	1,000,000	8.00E-04
363	8.4549E-06	2.6604E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.74E-10	1,000,000	8.74E-04
364	8.4549E-06	3.006E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.87E-10	1,000,000	9.87E-04
365	8.4549E-06	3.3973E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
366	8.4549E-06	3.8666E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
367	8.4549E-06	4.4583E-06	1.05E-03	4.66E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
368	8.4549E-06	4.9666E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
369	8.4549E-06	5.3485E-06	1.05E-03	5.59E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
370	8.4549E-06	5.5638E-06	1.05E-03	5.82E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
371	8.4549E-06	5.8445E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
372	8.4549E-06	5.964E-06	1.05E-03	6.23E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
373	8.4549E-06	5.8641E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
374	8.4549E-06	5.7163E-06	1.05E-03	5.97E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
375	8.4549E-06	5.8956E-06	1.05E-03	6.16E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
376	8.4549E-06	5.8385E-06	1.05E-03	6.10E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
377	8.4549E-06	5.885E-06	1.05E-03	6.15E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
378	8.4549E-06	6.1764E-06	1.05E-03	6.46E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
379	8.4549E-06	6.1393E-06	1.05E-03	6.42E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
380	8.4549E-06	5.8177E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
381	8.4549E-06	8.2E-06	1.05E-03	8.57E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
382	8.4549E-06	9.42E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.4549E-06	1.0915E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
384	8.4549E-06	1.2758E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
385	8.4549E-06	1.503E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
386	8.4549E-06	1.7794E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.85E-09	1,000,000	5.85E-03
387	8.4549E-06	2.1051E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.92E-09	1,000,000	6.92E-03
388	8.4549E-06	2.4688E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.11E-09	1,000,000	8.11E-03
389	8.4549E-06	2.8288E-05	1.05E-03	2.96E-08	2.00	1.57E-01	9.29E-09	1,000,000	9.29E-03
390	8.4549E-06	3.1128E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
391	8.4549E-06	3.2359E-05	1.05E-03	3.38E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
392	8.4549E-06	3.1551E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
393	8.4549E-06	2.8972E-05	1.05E-03	3.03E-08	2.00	1.57E-01	9.52E-09	1,000,000	9.52E-03
394	8.4549E-06	2.5477E-05	1.05E-03	2.66E-08	2.00	1.57E-01	8.37E-09	1,000,000	8.37E-03
395	8.4549E-06	2.1745E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.14E-09	1,000,000	7.14E-03
396	8.4549E-06	1.837E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.03E-09	1,000,000	6.03E-03
397	8.4549E-06	1.5513E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
398	8.4549E-06	1.3159E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.32E-09	1,000,000	4.32E-03
399	8.4549E-06	8.7152E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
400	8.4549E-06	1.0131E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.33E-09	1,000,000	3.33E-03
401	8.4549E-06	1.1921E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
402	8.4549E-06	1.4221E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
403	8.4549E-06	1.7197E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.65E-09	1,000,000	5.65E-03
404	8.4549E-06	2.1051E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.92E-09	1,000,000	6.92E-03
405	8.4549E-06	2.6006E-05	1.05E-03	2.72E-08	2.00	1.57E-01	8.54E-09	1,000,000	8.54E-03
406	8.4549E-06	3.2115E-05	1.05E-03	3.36E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
407	8.4549E-06	3.8868E-05	1.05E-03	4.06E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
408	8.4549E-06	4.4816E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
409	8.4549E-06	4.7578E-05	1.05E-03	4.97E-08	2.00	1.57E-01	1.56E-08	1,000,000	1.56E-02
410	8.4549E-06	4.5725E-05	1.05E-03	4.78E-08	2.00	1.57E-01	1.50E-08	1,000,000	1.50E-02
411	8.4549E-06	4.0375E-05	1.05E-03	4.22E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
412	8.4549E-06	3.3694E-05	1.05E-03	3.52E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
413	8.4549E-06	2.7314E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.97E-09	1,000,000	8.97E-03
414	8.4549E-06	2.2093E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.26E-09	1,000,000	7.26E-03
415	8.4549E-06	1.8012E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.92E-09	1,000,000	5.92E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.4549E-06	1.4837E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.87E-09	1,000,000	4.87E-03
417	8.4549E-06	9.1632E-06	1.05E-03	9.58E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
418	8.4549E-06	1.0766E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.54E-09	1,000,000	3.54E-03
419	8.4549E-06	1.285E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
420	8.4549E-06	1.5631E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.13E-09	1,000,000	5.13E-03
421	8.4549E-06	1.9427E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.38E-09	1,000,000	6.38E-03
422	8.4549E-06	2.4717E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.12E-09	1,000,000	8.12E-03
423	8.4549E-06	3.2231E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
424	8.4549E-06	4.2812E-05	1.05E-03	4.47E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
425	8.4549E-06	5.6544E-05	1.05E-03	5.91E-08	2.00	1.57E-01	1.86E-08	1,000,000	1.86E-02
426	8.4549E-06	7.0754E-05	1.05E-03	7.40E-08	2.00	1.57E-01	2.32E-08	1,000,000	2.32E-02
427	8.4549E-06	7.7996E-05	1.05E-03	8.15E-08	2.00	1.57E-01	2.56E-08	1,000,000	2.56E-02
428	8.4549E-06	7.3367E-05	1.05E-03	7.67E-08	2.00	1.57E-01	2.41E-08	1,000,000	2.41E-02
429	8.4549E-06	6.0155E-05	1.05E-03	6.29E-08	2.00	1.57E-01	1.98E-08	1,000,000	1.98E-02
430	8.4549E-06	4.5874E-05	1.05E-03	4.79E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
431	8.4549E-06	3.459E-05	1.05E-03	3.62E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
432	8.4549E-06	2.6526E-05	1.05E-03	2.77E-08	2.00	1.57E-01	8.71E-09	1,000,000	8.71E-03
433	8.4549E-06	2.0908E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.87E-09	1,000,000	6.87E-03
434	8.4549E-06	1.6787E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.51E-09	1,000,000	5.51E-03
435	8.4549E-06	8.3824E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
436	8.4549E-06	1.0327E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.39E-09	1,000,000	3.39E-03
437	8.4549E-06	1.3499E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
438	8.4549E-06	1.6833E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.53E-09	1,000,000	5.53E-03
439	8.4549E-06	2.1423E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.04E-09	1,000,000	7.04E-03
440	8.4549E-06	2.83E-05	1.05E-03	2.96E-08	2.00	1.57E-01	9.30E-09	1,000,000	9.30E-03
441	8.4549E-06	3.917E-05	1.05E-03	4.09E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
442	8.4549E-06	5.7286E-05	1.05E-03	5.99E-08	2.00	1.57E-01	1.88E-08	1,000,000	1.88E-02
443	8.4549E-06	8.7809E-05	1.05E-03	9.18E-08	2.00	1.57E-01	2.88E-08	1,000,000	2.88E-02
444	8.4549E-06	0.00013003	1.05E-03	1.36E-07	2.00	1.57E-01	4.27E-08	1,000,000	4.27E-02
445	8.4549E-06	0.00015659	1.05E-03	1.64E-07	2.00	1.57E-01	5.14E-08	1,000,000	5.14E-02
446	8.4549E-06	0.00013974	1.05E-03	1.46E-07	2.00	1.57E-01	4.59E-08	1,000,000	4.59E-02
447	8.4549E-06	9.8135E-05	1.05E-03	1.03E-07	2.00	1.57E-01	3.22E-08	1,000,000	3.22E-02
448	8.4549E-06	6.4286E-05	1.05E-03	6.72E-08	2.00	1.57E-01	2.11E-08	1,000,000	2.11E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.4549E-06	4.3998E-05	1.05E-03	4.60E-08	2.00	1.57E-01	1.45E-08	1,000,000	1.45E-02
450	8.4549E-06	3.1808E-05	1.05E-03	3.32E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
451	8.4549E-06	2.3937E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.86E-09	1,000,000	7.86E-03
452	8.4549E-06	1.8789E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.17E-09	1,000,000	6.17E-03
453	8.4549E-06	7.971E-06	1.05E-03	8.33E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
454	8.4549E-06	9.6984E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03
455	8.4549E-06	1.2485E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
456	8.4549E-06	1.6667E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.47E-09	1,000,000	5.47E-03
457	8.4549E-06	2.2809E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.49E-09	1,000,000	7.49E-03
458	8.4549E-06	3.0956E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
459	8.4549E-06	4.5055E-05	1.05E-03	4.71E-08	2.00	1.57E-01	1.48E-08	1,000,000	1.48E-02
460	8.4549E-06	7.2953E-05	1.05E-03	7.63E-08	2.00	1.57E-01	2.40E-08	1,000,000	2.40E-02
461	8.4549E-06	0.00014045	1.05E-03	1.47E-07	2.00	1.57E-01	4.61E-08	1,000,000	4.61E-02
462	8.4549E-06	0.00032337	1.05E-03	3.38E-07	2.00	1.57E-01	1.06E-07	1,000,000	1.06E-01
463	8.4549E-06	0.00048885	1.05E-03	5.11E-07	2.00	1.57E-01	1.61E-07	1,000,000	1.61E-01
464	8.4549E-06	0.00038924	1.05E-03	4.07E-07	2.00	1.57E-01	1.28E-07	1,000,000	1.28E-01
465	8.4549E-06	0.00017982	1.05E-03	1.88E-07	2.00	1.57E-01	5.91E-08	1,000,000	5.91E-02
466	8.4549E-06	9.1261E-05	1.05E-03	9.54E-08	2.00	1.57E-01	3.00E-08	1,000,000	3.00E-02
467	8.4549E-06	5.5332E-05	1.05E-03	5.78E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
468	8.4549E-06	3.7446E-05	1.05E-03	3.91E-08	2.00	1.57E-01	1.23E-08	1,000,000	1.23E-02
469	8.4549E-06	2.7225E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.94E-09	1,000,000	8.94E-03
470	8.4549E-06	2.0814E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.84E-09	1,000,000	6.84E-03
471	8.4549E-06	7.2222E-06	1.05E-03	7.55E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
472	8.4549E-06	9.1702E-06	1.05E-03	9.58E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
473	8.4549E-06	1.1653E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
474	8.4549E-06	1.4908E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
475	8.4549E-06	1.9706E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.47E-09	1,000,000	6.47E-03
476	8.4549E-06	0.00011599	1.05E-03	1.21E-07	2.00	1.57E-01	3.81E-08	1,000,000	3.81E-02
477	8.4549E-06	6.4422E-05	1.05E-03	6.73E-08	2.00	1.57E-01	2.12E-08	1,000,000	2.12E-02
478	8.4549E-06	4.2061E-05	1.05E-03	4.40E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
479	8.4549E-06	2.987E-05	1.05E-03	3.12E-08	2.00	1.57E-01	9.81E-09	1,000,000	9.81E-03
480	8.4549E-06	2.2446E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.37E-09	1,000,000	7.37E-03
481	8.4549E-06	6.5256E-06	1.05E-03	6.82E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.4549E-06	8.2728E-06	1.05E-03	8.65E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
483	8.4549E-06	1.0211E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.35E-09	1,000,000	3.35E-03
484	8.4549E-06	1.3157E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.32E-09	1,000,000	4.32E-03
485	8.4549E-06	1.8314E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.02E-09	1,000,000	6.02E-03
486	8.4549E-06	0.00010359	1.05E-03	1.08E-07	2.00	1.57E-01	3.40E-08	1,000,000	3.40E-02
487	8.4549E-06	6.3062E-05	1.05E-03	6.59E-08	2.00	1.57E-01	2.07E-08	1,000,000	2.07E-02
488	8.4549E-06	4.2267E-05	1.05E-03	4.42E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
489	8.4549E-06	3.0431E-05	1.05E-03	3.18E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
490	8.4549E-06	2.3018E-05	1.05E-03	2.41E-08	2.00	1.57E-01	7.56E-09	1,000,000	7.56E-03
491	8.4549E-06	5.7743E-06	1.05E-03	6.04E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
492	8.4549E-06	7.1068E-06	1.05E-03	7.43E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
493	8.4549E-06	8.6689E-06	1.05E-03	9.06E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
494	8.4549E-06	1.1134E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
495	8.4549E-06	1.5093E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.96E-09	1,000,000	4.96E-03
496	8.4549E-06	4.8402E-05	1.05E-03	5.06E-08	2.00	1.57E-01	1.59E-08	1,000,000	1.59E-02
497	8.4549E-06	7.0553E-05	1.05E-03	7.37E-08	2.00	1.57E-01	2.32E-08	1,000,000	2.32E-02
498	8.4549E-06	0.00010237	1.05E-03	1.07E-07	2.00	1.57E-01	3.36E-08	1,000,000	3.36E-02
499	8.4549E-06	7.272E-05	1.05E-03	7.60E-08	2.00	1.57E-01	2.39E-08	1,000,000	2.39E-02
500	8.4549E-06	5.1553E-05	1.05E-03	5.39E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02
501	8.4549E-06	3.7611E-05	1.05E-03	3.93E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
502	8.4549E-06	2.8379E-05	1.05E-03	2.97E-08	2.00	1.57E-01	9.32E-09	1,000,000	9.32E-03
503	8.4549E-06	2.2095E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.26E-09	1,000,000	7.26E-03
504	8.4549E-06	5.1135E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
505	8.4549E-06	6.0091E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
506	8.4549E-06	7.5612E-06	1.05E-03	7.90E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
507	8.4549E-06	9.2136E-06	1.05E-03	9.63E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
508	8.4549E-06	1.2361E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.06E-09	1,000,000	4.06E-03
509	8.4549E-06	1.6311E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.36E-09	1,000,000	5.36E-03
510	8.4549E-06	2.2223E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.30E-09	1,000,000	7.30E-03
511	8.4549E-06	3.1402E-05	1.05E-03	3.28E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
512	8.4549E-06	4.4146E-05	1.05E-03	4.61E-08	2.00	1.57E-01	1.45E-08	1,000,000	1.45E-02
513	8.4549E-06	5.7453E-05	1.05E-03	6.00E-08	2.00	1.57E-01	1.89E-08	1,000,000	1.89E-02
514	8.4549E-06	7.0701E-05	1.05E-03	7.39E-08	2.00	1.57E-01	2.32E-08	1,000,000	2.32E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.4549E-06	7.089E-05	1.05E-03	7.41E-08	2.00	1.57E-01	2.33E-08	1,000,000	2.33E-02
516	8.4549E-06	6.1075E-05	1.05E-03	6.38E-08	2.00	1.57E-01	2.01E-08	1,000,000	2.01E-02
517	8.4549E-06	4.9401E-05	1.05E-03	5.16E-08	2.00	1.57E-01	1.62E-08	1,000,000	1.62E-02
518	8.4549E-06	3.9075E-05	1.05E-03	4.08E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
519	8.4549E-06	3.0917E-05	1.05E-03	3.23E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
520	8.4549E-06	2.4701E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.11E-09	1,000,000	8.11E-03
521	8.4549E-06	2.0014E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
522	8.4549E-06	4.4746E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
523	8.4549E-06	5.3387E-06	1.05E-03	5.58E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
524	8.4549E-06	6.4309E-06	1.05E-03	6.72E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
525	8.4549E-06	7.7919E-06	1.05E-03	8.14E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
526	8.4549E-06	9.3361E-06	1.05E-03	9.76E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
527	8.4549E-06	1.259E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
528	8.4549E-06	1.6294E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.35E-09	1,000,000	5.35E-03
529	8.4549E-06	2.1382E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.02E-09	1,000,000	7.02E-03
530	8.4549E-06	2.8327E-05	1.05E-03	2.96E-08	2.00	1.57E-01	9.31E-09	1,000,000	9.31E-03
531	8.4549E-06	3.4652E-05	1.05E-03	3.62E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
532	8.4549E-06	3.9508E-05	1.05E-03	4.13E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
533	8.4549E-06	4.4082E-05	1.05E-03	4.61E-08	2.00	1.57E-01	1.45E-08	1,000,000	1.45E-02
534	8.4549E-06	3.7931E-05	1.05E-03	3.96E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
535	8.4549E-06	3.469E-05	1.05E-03	3.63E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
536	8.4549E-06	2.9567E-05	1.05E-03	3.09E-08	2.00	1.57E-01	9.71E-09	1,000,000	9.71E-03
537	8.4549E-06	2.4782E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.14E-09	1,000,000	8.14E-03
538	8.4549E-06	2.0751E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.82E-09	1,000,000	6.82E-03
539	8.4549E-06	1.7472E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.74E-09	1,000,000	5.74E-03
540	8.4549E-06	3.9234E-06	1.05E-03	4.10E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
541	8.4549E-06	4.6022E-06	1.05E-03	4.81E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
542	8.4549E-06	5.4274E-06	1.05E-03	5.67E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
543	8.4549E-06	6.4627E-06	1.05E-03	6.75E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
544	8.4549E-06	7.972E-06	1.05E-03	8.33E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
545	8.4549E-06	9.6029E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03
546	8.4549E-06	1.2037E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
547	8.4549E-06	1.4839E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.87E-09	1,000,000	4.87E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.4549E-06	1.88E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03
549	8.4549E-06	2.2565E-05	1.05E-03	2.36E-08	2.00	1.57E-01	7.41E-09	1,000,000	7.41E-03
550	8.4549E-06	2.5911E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.51E-09	1,000,000	8.51E-03
551	8.4549E-06	3.106E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
552	8.4549E-06	2.5233E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.29E-09	1,000,000	8.29E-03
553	8.4549E-06	2.3038E-05	1.05E-03	2.41E-08	2.00	1.57E-01	7.57E-09	1,000,000	7.57E-03
554	8.4549E-06	2.1026E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.91E-09	1,000,000	6.91E-03
555	8.4549E-06	1.9995E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
556	8.4549E-06	1.7314E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.69E-09	1,000,000	5.69E-03
557	8.4549E-06	1.5006E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
558	8.4549E-06	3.4487E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
559	8.4549E-06	3.9909E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
560	8.4549E-06	4.5338E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
561	8.4549E-06	5.3302E-06	1.05E-03	5.57E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
562	8.4549E-06	6.1795E-06	1.05E-03	6.46E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
563	8.4549E-06	7.3464E-06	1.05E-03	7.68E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
564	8.4549E-06	9.0805E-06	1.05E-03	9.49E-09	2.00	1.57E-01	2.98E-09	1,000,000	2.98E-03
565	8.4549E-06	1.0753E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
566	8.4549E-06	1.321E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.34E-09	1,000,000	4.34E-03
567	8.4549E-06	1.5431E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.07E-09	1,000,000	5.07E-03
568	8.4549E-06	1.7923E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.89E-09	1,000,000	5.89E-03
569	8.4549E-06	1.7161E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.64E-09	1,000,000	5.64E-03
570	8.4549E-06	1.6348E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.37E-09	1,000,000	5.37E-03
571	8.4549E-06	1.6266E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
572	8.4549E-06	1.6029E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.27E-09	1,000,000	5.27E-03
573	8.4549E-06	1.4955E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.91E-09	1,000,000	4.91E-03
574	8.4549E-06	1.3964E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.59E-09	1,000,000	4.59E-03
575	8.4549E-06	1.3025E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	5.8267E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.3E-03
2	8.4549E-06	6.4615E-06	6.05E-04	3.91E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
3	8.4549E-06	7.1902E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
4	8.4549E-06	8.0221E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
5	8.4549E-06	8.9688E-06	6.05E-04	5.43E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03
6	8.4549E-06	1.0031E-05	6.05E-04	6.07E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
7	8.4549E-06	1.1187E-05	6.05E-04	6.77E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
8	8.4549E-06	1.2405E-05	6.05E-04	7.51E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
9	8.4549E-06	1.3626E-05	6.05E-04	8.24E-09	14.00	4.71E-02	5.44E-09	1,000,000	5.44E-03
10	8.4549E-06	1.4733E-05	6.05E-04	8.91E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
11	8.4549E-06	1.5596E-05	6.05E-04	9.44E-09	14.00	4.71E-02	6.23E-09	1,000,000	6.23E-03
12	8.4549E-06	1.6091E-05	6.05E-04	9.74E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
13	8.4549E-06	1.6131E-05	6.05E-04	9.76E-09	14.00	4.71E-02	6.44E-09	1,000,000	6.44E-03
14	8.4549E-06	1.5703E-05	6.05E-04	9.50E-09	14.00	4.71E-02	6.27E-09	1,000,000	6.27E-03
15	8.4549E-06	1.4884E-05	6.05E-04	9.01E-09	14.00	4.71E-02	5.94E-09	1,000,000	5.94E-03
16	8.4549E-06	1.3785E-05	6.05E-04	8.34E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
17	8.4549E-06	1.2586E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
18	8.4549E-06	1.136E-05	6.05E-04	6.87E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03
19	8.4549E-06	1.0177E-05	6.05E-04	6.16E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
20	8.4549E-06	9.1128E-06	6.05E-04	5.51E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
21	8.4549E-06	8.1548E-06	6.05E-04	4.93E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
22	8.4549E-06	7.2993E-06	6.05E-04	4.42E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
23	8.4549E-06	6.211E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
24	8.4549E-06	6.9508E-06	6.05E-04	4.21E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
25	8.4549E-06	7.8181E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
26	8.4549E-06	8.8361E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.4549E-06	1.0026E-05	6.05E-04	6.07E-09	14.00	4.71E-02	4.00E-09	1,000,000	4.00E-03
28	8.4549E-06	1.1414E-05	6.05E-04	6.91E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
29	8.4549E-06	1.2983E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
30	8.4549E-06	1.4726E-05	6.05E-04	8.91E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
31	8.4549E-06	1.6537E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.60E-09	1,000,000	6.60E-03
32	8.4549E-06	1.8261E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.29E-09	1,000,000	7.29E-03
33	8.4549E-06	1.9652E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.85E-09	1,000,000	7.85E-03
34	8.4549E-06	2.05E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.19E-09	1,000,000	8.19E-03
35	8.4549E-06	2.0594E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.22E-09	1,000,000	8.22E-03
36	8.4549E-06	1.9911E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.95E-09	1,000,000	7.95E-03
37	8.4549E-06	1.8519E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.40E-09	1,000,000	7.40E-03
38	8.4549E-06	1.681E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.71E-09	1,000,000	6.71E-03
39	8.4549E-06	1.5026E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
40	8.4549E-06	1.327E-05	6.05E-04	8.03E-09	14.00	4.71E-02	5.30E-09	1,000,000	5.30E-03
41	8.4549E-06	1.165E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
42	8.4549E-06	1.0224E-05	6.05E-04	6.19E-09	14.00	4.71E-02	4.08E-09	1,000,000	4.08E-03
43	8.4549E-06	8.993E-06	6.05E-04	5.44E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
44	8.4549E-06	7.9881E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
45	8.4549E-06	6.587E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
46	8.4549E-06	7.4394E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
47	8.4549E-06	8.4616E-06	6.05E-04	5.12E-09	14.00	4.71E-02	3.38E-09	1,000,000	3.38E-03
48	8.4549E-06	9.6944E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
49	8.4549E-06	1.1184E-05	6.05E-04	6.77E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
50	8.4549E-06	1.2983E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
51	8.4549E-06	1.5133E-05	6.05E-04	9.16E-09	14.00	4.71E-02	6.04E-09	1,000,000	6.04E-03
52	8.4549E-06	1.7639E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.04E-09	1,000,000	7.04E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.4549E-06	2.0431E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.16E-09	1,000,000	8.16E-03
54	8.4549E-06	2.3246E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.28E-09	1,000,000	9.28E-03
55	8.4549E-06	2.5678E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
56	8.4549E-06	2.7196E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
57	8.4549E-06	2.7354E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
58	8.4549E-06	2.6174E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
59	8.4549E-06	2.3758E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.49E-09	1,000,000	9.49E-03
60	8.4549E-06	2.0929E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.36E-09	1,000,000	8.36E-03
61	8.4549E-06	1.8152E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.25E-09	1,000,000	7.25E-03
62	8.4549E-06	1.5574E-05	6.05E-04	9.42E-09	14.00	4.71E-02	6.22E-09	1,000,000	6.22E-03
63	8.4549E-06	1.3353E-05	6.05E-04	8.08E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
64	8.4549E-06	1.1499E-05	6.05E-04	6.96E-09	14.00	4.71E-02	4.59E-09	1,000,000	4.59E-03
65	8.4549E-06	9.9756E-06	6.05E-04	6.04E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
66	8.4549E-06	8.7192E-06	6.05E-04	5.28E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
67	8.4549E-06	6.9353E-06	6.05E-04	4.20E-09	14.00	4.71E-02	2.77E-09	1,000,000	2.77E-03
68	8.4549E-06	7.903E-06	6.05E-04	4.78E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
69	8.4549E-06	9.0876E-06	6.05E-04	5.50E-09	14.00	4.71E-02	3.63E-09	1,000,000	3.63E-03
70	8.4549E-06	1.0558E-05	6.05E-04	6.39E-09	14.00	4.71E-02	4.22E-09	1,000,000	4.22E-03
71	8.4549E-06	1.2397E-05	6.05E-04	7.50E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
72	8.4549E-06	1.4715E-05	6.05E-04	8.90E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
73	8.4549E-06	1.7642E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
74	8.4549E-06	2.1284E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.50E-09	1,000,000	8.50E-03
75	8.4549E-06	2.5673E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
76	8.4549E-06	3.0561E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
77	8.4549E-06	3.5195E-05	6.05E-04	2.13E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
78	8.4549E-06	3.8336E-05	6.05E-04	2.32E-08	14.00	4.71E-02	1.53E-08	1,000,000	1.53E-02
79	8.4549E-06	3.8629E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
80	8.4549E-06	3.606E-05	6.05E-04	2.18E-08	14.00	4.71E-02	1.44E-08	1,000,000	1.44E-02
81	8.4549E-06	3.1611E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
82	8.4549E-06	2.6741E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
83	8.4549E-06	2.2166E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.85E-09	1,000,000	8.85E-03
84	8.4549E-06	1.8377E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.34E-09	1,000,000	7.34E-03
85	8.4549E-06	1.5241E-05	6.05E-04	9.22E-09	14.00	4.71E-02	6.09E-09	1,000,000	6.09E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.4549E-06	1.2896E-05	6.05E-04	7.80E-09	14.00	4.71E-02	5.15E-09	1,000,000	5.15E-03
87	8.4549E-06	1.0991E-05	6.05E-04	6.65E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
88	8.4549E-06	9.4843E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
89	8.4549E-06	7.242E-06	6.05E-04	4.38E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
90	8.4549E-06	8.3181E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
91	8.4549E-06	9.6611E-06	6.05E-04	5.85E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
92	8.4549E-06	1.1368E-05	6.05E-04	6.88E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03
93	8.4549E-06	1.358E-05	6.05E-04	8.22E-09	14.00	4.71E-02	5.42E-09	1,000,000	5.42E-03
94	8.4549E-06	1.6508E-05	6.05E-04	9.99E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
95	8.4549E-06	2.0419E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.15E-09	1,000,000	8.15E-03
96	8.4549E-06	2.5698E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
97	8.4549E-06	3.2766E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
98	8.4549E-06	4.1686E-05	6.05E-04	2.52E-08	14.00	4.71E-02	1.66E-08	1,000,000	1.66E-02
99	8.4549E-06	5.1297E-05	6.05E-04	3.10E-08	14.00	4.71E-02	2.05E-08	1,000,000	2.05E-02
100	8.4549E-06	5.8471E-05	6.05E-04	3.54E-08	14.00	4.71E-02	2.34E-08	1,000,000	2.34E-02
101	8.4549E-06	5.931E-05	6.05E-04	3.59E-08	14.00	4.71E-02	2.37E-08	1,000,000	2.37E-02
102	8.4549E-06	5.3314E-05	6.05E-04	3.23E-08	14.00	4.71E-02	2.13E-08	1,000,000	2.13E-02
103	8.4549E-06	4.3946E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
104	8.4549E-06	3.4679E-05	6.05E-04	2.10E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
105	8.4549E-06	2.7272E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
106	8.4549E-06	2.1659E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.65E-09	1,000,000	8.65E-03
107	8.4549E-06	1.749E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.98E-09	1,000,000	6.98E-03
108	8.4549E-06	1.4402E-05	6.05E-04	8.71E-09	14.00	4.71E-02	5.75E-09	1,000,000	5.75E-03
109	8.4549E-06	1.2061E-05	6.05E-04	7.30E-09	14.00	4.71E-02	4.82E-09	1,000,000	4.82E-03
110	8.4549E-06	1.0279E-05	6.05E-04	6.22E-09	14.00	4.71E-02	4.10E-09	1,000,000	4.10E-03
111	8.4549E-06	6.8631E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
112	8.4549E-06	8.4936E-06	6.05E-04	5.14E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
113	8.4549E-06	9.545E-06	6.05E-04	5.78E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
114	8.4549E-06	1.1408E-05	6.05E-04	6.90E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
115	8.4549E-06	1.464E-05	6.05E-04	8.86E-09	14.00	4.71E-02	5.85E-09	1,000,000	5.85E-03
116	8.4549E-06	1.819E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.26E-09	1,000,000	7.26E-03
117	8.4549E-06	2.3228E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.28E-09	1,000,000	9.28E-03
118	8.4549E-06	3.0649E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.4549E-06	4.1912E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.67E-08	1,000,000	1.67E-02
120	8.4549E-06	5.8966E-05	6.05E-04	3.57E-08	14.00	4.71E-02	2.35E-08	1,000,000	2.35E-02
121	8.4549E-06	8.2025E-05	6.05E-04	4.96E-08	14.00	4.71E-02	3.28E-08	1,000,000	3.28E-02
122	8.4549E-06	0.00010251	6.05E-04	6.20E-08	14.00	4.71E-02	4.09E-08	1,000,000	4.09E-02
123	8.4549E-06	0.00010524	6.05E-04	6.37E-08	14.00	4.71E-02	4.20E-08	1,000,000	4.20E-02
124	8.4549E-06	8.7684E-05	6.05E-04	5.31E-08	14.00	4.71E-02	3.50E-08	1,000,000	3.50E-02
125	8.4549E-06	6.4302E-05	6.05E-04	3.89E-08	14.00	4.71E-02	2.57E-08	1,000,000	2.57E-02
126	8.4549E-06	4.5806E-05	6.05E-04	2.77E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
127	8.4549E-06	3.355E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
128	8.4549E-06	2.5439E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
129	8.4549E-06	1.9886E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.94E-09	1,000,000	7.94E-03
130	8.4549E-06	1.6023E-05	6.05E-04	9.70E-09	14.00	4.71E-02	6.40E-09	1,000,000	6.40E-03
131	8.4549E-06	1.3194E-05	6.05E-04	7.98E-09	14.00	4.71E-02	5.27E-09	1,000,000	5.27E-03
132	8.4549E-06	1.1096E-05	6.05E-04	6.71E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03
133	8.4549E-06	6.4171E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
134	8.4549E-06	7.553E-06	6.05E-04	4.57E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
135	8.4549E-06	8.9754E-06	6.05E-04	5.43E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03
136	8.4549E-06	1.1306E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
137	8.4549E-06	1.545E-05	6.05E-04	9.35E-09	14.00	4.71E-02	6.17E-09	1,000,000	6.17E-03
138	8.4549E-06	1.9508E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.79E-09	1,000,000	7.79E-03
139	8.4549E-06	2.5578E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
140	8.4549E-06	3.5225E-05	6.05E-04	2.13E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
141	8.4549E-06	5.2076E-05	6.05E-04	3.15E-08	14.00	4.71E-02	2.08E-08	1,000,000	2.08E-02
142	8.4549E-06	8.4347E-05	6.05E-04	5.10E-08	14.00	4.71E-02	3.37E-08	1,000,000	3.37E-02
143	8.4549E-06	0.00014875	6.05E-04	9.00E-08	14.00	4.71E-02	5.94E-08	1,000,000	5.94E-02
144	8.4549E-06	0.00023354	6.05E-04	1.41E-07	14.00	4.71E-02	9.33E-08	1,000,000	9.33E-02
145	8.4549E-06	0.00024676	6.05E-04	1.49E-07	14.00	4.71E-02	9.85E-08	1,000,000	9.85E-02
146	8.4549E-06	0.0001716	6.05E-04	1.04E-07	14.00	4.71E-02	6.85E-08	1,000,000	6.85E-02
147	8.4549E-06	9.9198E-05	6.05E-04	6.00E-08	14.00	4.71E-02	3.96E-08	1,000,000	3.96E-02
148	8.4549E-06	6.0901E-05	6.05E-04	3.68E-08	14.00	4.71E-02	2.43E-08	1,000,000	2.43E-02
149	8.4549E-06	4.1086E-05	6.05E-04	2.49E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
150	8.4549E-06	2.9577E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
151	8.4549E-06	2.2407E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.95E-09	1,000,000	8.95E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.4549E-06	1.7674E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.06E-09	1,000,000	7.06E-03
153	8.4549E-06	1.4337E-05	6.05E-04	8.67E-09	14.00	4.71E-02	5.73E-09	1,000,000	5.73E-03
154	8.4549E-06	1.1907E-05	6.05E-04	7.20E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
155	8.4549E-06	5.6444E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
156	8.4549E-06	6.7928E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
157	8.4549E-06	8.5831E-06	6.05E-04	5.19E-09	14.00	4.71E-02	3.43E-09	1,000,000	3.43E-03
158	8.4549E-06	1.0462E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
159	8.4549E-06	1.3479E-05	6.05E-04	8.16E-09	14.00	4.71E-02	5.38E-09	1,000,000	5.38E-03
160	8.4549E-06	1.7817E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.12E-09	1,000,000	7.12E-03
161	8.4549E-06	2.4739E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.88E-09	1,000,000	9.88E-03
162	8.4549E-06	3.8011E-05	6.05E-04	2.30E-08	14.00	4.71E-02	1.52E-08	1,000,000	1.52E-02
163	8.4549E-06	5.9189E-05	6.05E-04	3.58E-08	14.00	4.71E-02	2.36E-08	1,000,000	2.36E-02
164	8.4549E-06	0.00010958	6.05E-04	6.63E-08	14.00	4.71E-02	4.38E-08	1,000,000	4.38E-02
165	8.4549E-06	0.00030368	6.05E-04	1.84E-07	14.00	4.71E-02	1.21E-07	1,000,000	1.21E-01
166	8.4549E-06	0.00118873	6.05E-04	7.19E-07	14.00	4.71E-02	4.75E-07	1,000,000	4.75E-01
167	8.4549E-06	0.00130692	6.05E-04	7.91E-07	14.00	4.71E-02	5.22E-07	1,000,000	5.22E-01
168	8.4549E-06	0.0004884	6.05E-04	2.96E-07	14.00	4.71E-02	1.95E-07	1,000,000	1.95E-01
169	8.4549E-06	0.00015427	6.05E-04	9.33E-08	14.00	4.71E-02	6.16E-08	1,000,000	6.16E-02
170	8.4549E-06	7.8453E-05	6.05E-04	4.75E-08	14.00	4.71E-02	3.13E-08	1,000,000	3.13E-02
171	8.4549E-06	4.8587E-05	6.05E-04	2.94E-08	14.00	4.71E-02	1.94E-08	1,000,000	1.94E-02
172	8.4549E-06	3.3629E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
173	8.4549E-06	2.4816E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.91E-09	1,000,000	9.91E-03
174	8.4549E-06	1.9204E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.67E-09	1,000,000	7.67E-03
175	8.4549E-06	1.5395E-05	6.05E-04	9.32E-09	14.00	4.71E-02	6.15E-09	1,000,000	6.15E-03
176	8.4549E-06	1.266E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
177	8.4549E-06	5.2282E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
178	8.4549E-06	6.3709E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
179	8.4549E-06	8.0572E-06	6.05E-04	4.88E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
180	8.4549E-06	1.0246E-05	6.05E-04	6.20E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
181	8.4549E-06	1.2976E-05	6.05E-04	7.85E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
182	8.4549E-06	1.6757E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.69E-09	1,000,000	6.69E-03
183	8.4549E-06	2.2848E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.12E-09	1,000,000	9.12E-03
184	8.4549E-06	0.00016589	6.05E-04	1.00E-07	14.00	4.71E-02	6.62E-08	1,000,000	6.62E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.4549E-06	8.4672E-05	6.05E-04	5.12E-08	14.00	4.71E-02	3.38E-08	1,000,000	3.38E-02
186	8.4549E-06	5.2343E-05	6.05E-04	3.17E-08	14.00	4.71E-02	2.09E-08	1,000,000	2.09E-02
187	8.4549E-06	3.5825E-05	6.05E-04	2.17E-08	14.00	4.71E-02	1.43E-08	1,000,000	1.43E-02
188	8.4549E-06	2.6243E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
189	8.4549E-06	2.0192E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.06E-09	1,000,000	8.06E-03
190	8.4549E-06	1.6094E-05	6.05E-04	9.74E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
191	8.4549E-06	1.3175E-05	6.05E-04	7.97E-09	14.00	4.71E-02	5.26E-09	1,000,000	5.26E-03
192	8.4549E-06	4.7205E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
193	8.4549E-06	5.6233E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
194	8.4549E-06	6.9875E-06	6.05E-04	4.23E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
195	8.4549E-06	8.7633E-06	6.05E-04	5.30E-09	14.00	4.71E-02	3.50E-09	1,000,000	3.50E-03
196	8.4549E-06	1.1391E-05	6.05E-04	6.89E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
197	8.4549E-06	1.4537E-05	6.05E-04	8.80E-09	14.00	4.71E-02	5.81E-09	1,000,000	5.81E-03
198	8.4549E-06	1.999E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.98E-09	1,000,000	7.98E-03
199	8.4549E-06	7.2475E-05	6.05E-04	4.39E-08	14.00	4.71E-02	2.89E-08	1,000,000	2.89E-02
200	8.4549E-06	0.00011063	6.05E-04	6.69E-08	14.00	4.71E-02	4.42E-08	1,000,000	4.42E-02
201	8.4549E-06	7.0921E-05	6.05E-04	4.29E-08	14.00	4.71E-02	2.83E-08	1,000,000	2.83E-02
202	8.4549E-06	4.8008E-05	6.05E-04	2.90E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
203	8.4549E-06	3.444E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
204	8.4549E-06	2.5859E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
205	8.4549E-06	2.0156E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.05E-09	1,000,000	8.05E-03
206	8.4549E-06	1.6182E-05	6.05E-04	9.79E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
207	8.4549E-06	1.3312E-05	6.05E-04	8.05E-09	14.00	4.71E-02	5.32E-09	1,000,000	5.32E-03
208	8.4549E-06	4.2663E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
209	8.4549E-06	5.0342E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
210	8.4549E-06	5.8681E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
211	8.4549E-06	7.3125E-06	6.05E-04	4.42E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
212	8.4549E-06	9.0675E-06	6.05E-04	5.49E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
213	8.4549E-06	1.1794E-05	6.05E-04	7.14E-09	14.00	4.71E-02	4.71E-09	1,000,000	4.71E-03
214	8.4549E-06	1.6133E-05	6.05E-04	9.76E-09	14.00	4.71E-02	6.44E-09	1,000,000	6.44E-03
215	8.4549E-06	2.2122E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.83E-09	1,000,000	8.83E-03
216	8.4549E-06	3.3223E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
217	8.4549E-06	4.7537E-05	6.05E-04	2.88E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.4549E-06	8.7218E-05	6.05E-04	5.28E-08	14.00	4.71E-02	3.48E-08	1,000,000	3.48E-02
219	8.4549E-06	6.8597E-05	6.05E-04	4.15E-08	14.00	4.71E-02	2.74E-08	1,000,000	2.74E-02
220	8.4549E-06	5.1872E-05	6.05E-04	3.14E-08	14.00	4.71E-02	2.07E-08	1,000,000	2.07E-02
221	8.4549E-06	3.9233E-05	6.05E-04	2.37E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
222	8.4549E-06	3.0156E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
223	8.4549E-06	2.3683E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.46E-09	1,000,000	9.46E-03
224	8.4549E-06	1.9005E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.59E-09	1,000,000	7.59E-03
225	8.4549E-06	1.5557E-05	6.05E-04	9.41E-09	14.00	4.71E-02	6.21E-09	1,000,000	6.21E-03
226	8.4549E-06	1.2968E-05	6.05E-04	7.85E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
227	8.4549E-06	3.8274E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
228	8.4549E-06	4.4306E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
229	8.4549E-06	5.1854E-06	6.05E-04	3.14E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
230	8.4549E-06	6.2253E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
231	8.4549E-06	7.6229E-06	6.05E-04	4.61E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
232	8.4549E-06	9.3167E-06	6.05E-04	5.64E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
233	8.4549E-06	1.2464E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
234	8.4549E-06	1.6449E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
235	8.4549E-06	2.2416E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.95E-09	1,000,000	8.95E-03
236	8.4549E-06	3.0641E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
237	8.4549E-06	3.9637E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
238	8.4549E-06	4.8267E-05	6.05E-04	2.92E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
239	8.4549E-06	5.3576E-05	6.05E-04	3.24E-08	14.00	4.71E-02	2.14E-08	1,000,000	2.14E-02
240	8.4549E-06	5.2011E-05	6.05E-04	3.15E-08	14.00	4.71E-02	2.08E-08	1,000,000	2.08E-02
241	8.4549E-06	4.5316E-05	6.05E-04	2.74E-08	14.00	4.71E-02	1.81E-08	1,000,000	1.81E-02
242	8.4549E-06	3.7185E-05	6.05E-04	2.25E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
243	8.4549E-06	3.0612E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
244	8.4549E-06	2.5046E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
245	8.4549E-06	2.0608E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.23E-09	1,000,000	8.23E-03
246	8.4549E-06	1.712E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.84E-09	1,000,000	6.84E-03
247	8.4549E-06	1.438E-05	6.05E-04	8.70E-09	14.00	4.71E-02	5.74E-09	1,000,000	5.74E-03
248	8.4549E-06	1.2217E-05	6.05E-04	7.39E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
249	8.4549E-06	3.4445E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
250	8.4549E-06	3.9251E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.4549E-06	4.5133E-06	6.05E-04	2.73E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
252	8.4549E-06	5.362E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
253	8.4549E-06	6.3821E-06	6.05E-04	3.86E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
254	8.4549E-06	7.9686E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
255	8.4549E-06	9.7647E-06	6.05E-04	5.91E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
256	8.4549E-06	1.2782E-05	6.05E-04	7.73E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
257	8.4549E-06	1.589E-05	6.05E-04	9.61E-09	14.00	4.71E-02	6.35E-09	1,000,000	6.35E-03
258	8.4549E-06	1.9753E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.89E-09	1,000,000	7.89E-03
259	8.4549E-06	2.5269E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
260	8.4549E-06	3.0093E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
261	8.4549E-06	3.2991E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
262	8.4549E-06	3.1984E-05	6.05E-04	1.94E-08	14.00	4.71E-02	1.28E-08	1,000,000	1.28E-02
263	8.4549E-06	2.9212E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
264	8.4549E-06	2.638E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
265	8.4549E-06	2.4029E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.60E-09	1,000,000	9.60E-03
266	8.4549E-06	2.0523E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.20E-09	1,000,000	8.20E-03
267	8.4549E-06	1.7513E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.99E-09	1,000,000	6.99E-03
268	8.4549E-06	1.5011E-05	6.05E-04	9.08E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
269	8.4549E-06	1.2936E-05	6.05E-04	7.83E-09	14.00	4.71E-02	5.17E-09	1,000,000	5.17E-03
270	8.4549E-06	1.1216E-05	6.05E-04	6.79E-09	14.00	4.71E-02	4.48E-09	1,000,000	4.48E-03
271	8.4549E-06	3.0445E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
272	8.4549E-06	3.4257E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
273	8.4549E-06	3.9281E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
274	8.4549E-06	4.5413E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
275	8.4549E-06	5.3204E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
276	8.4549E-06	6.4103E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
277	8.4549E-06	7.7442E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
278	8.4549E-06	9.2831E-06	6.05E-04	5.62E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
279	8.4549E-06	1.1408E-05	6.05E-04	6.90E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
280	8.4549E-06	1.3903E-05	6.05E-04	8.41E-09	14.00	4.71E-02	5.55E-09	1,000,000	5.55E-03
281	8.4549E-06	1.7028E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.80E-09	1,000,000	6.80E-03
282	8.4549E-06	2.0334E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.12E-09	1,000,000	8.12E-03
283	8.4549E-06	2.1838E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.72E-09	1,000,000	8.72E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.4549E-06	2.0127E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.04E-09	1,000,000	8.04E-03
285	8.4549E-06	1.992E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.95E-09	1,000,000	7.95E-03
286	8.4549E-06	1.8724E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.48E-09	1,000,000	7.48E-03
287	8.4549E-06	1.7445E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.97E-09	1,000,000	6.97E-03
288	8.4549E-06	1.6374E-05	6.05E-04	9.91E-09	14.00	4.71E-02	6.54E-09	1,000,000	6.54E-03
289	8.4549E-06	1.4966E-05	6.05E-04	9.06E-09	14.00	4.71E-02	5.98E-09	1,000,000	5.98E-03
290	8.4549E-06	1.3023E-05	6.05E-04	7.88E-09	14.00	4.71E-02	5.20E-09	1,000,000	5.20E-03
291	8.4549E-06	1.1464E-05	6.05E-04	6.94E-09	14.00	4.71E-02	4.58E-09	1,000,000	4.58E-03
292	8.4549E-06	1.0128E-05	6.05E-04	6.13E-09	14.00	4.71E-02	4.04E-09	1,000,000	4.04E-03
293	8.4549E-06	2.7064E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
294	8.4549E-06	3.032E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
295	8.4549E-06	3.4164E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
296	8.4549E-06	3.8547E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
297	8.4549E-06	4.4873E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
298	8.4549E-06	5.2253E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
299	8.4549E-06	6.1506E-06	6.05E-04	3.72E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
300	8.4549E-06	7.4275E-06	6.05E-04	4.49E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
301	8.4549E-06	8.5334E-06	6.05E-04	5.16E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
302	8.4549E-06	1.0287E-05	6.05E-04	6.22E-09	14.00	4.71E-02	4.11E-09	1,000,000	4.11E-03
303	8.4549E-06	1.2088E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
304	8.4549E-06	1.4158E-05	6.05E-04	8.57E-09	14.00	4.71E-02	5.65E-09	1,000,000	5.65E-03
305	8.4549E-06	1.5017E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
306	8.4549E-06	1.4302E-05	6.05E-04	8.65E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
307	8.4549E-06	1.3917E-05	6.05E-04	8.42E-09	14.00	4.71E-02	5.56E-09	1,000,000	5.56E-03
308	8.4549E-06	1.3212E-05	6.05E-04	7.99E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
309	8.4549E-06	1.3762E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
310	8.4549E-06	1.2777E-05	6.05E-04	7.73E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
311	8.4549E-06	1.2028E-05	6.05E-04	7.28E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
312	8.4549E-06	1.1389E-05	6.05E-04	6.89E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
313	8.4549E-06	1.042E-05	6.05E-04	6.31E-09	14.00	4.71E-02	4.16E-09	1,000,000	4.16E-03
314	8.4549E-06	9.5285E-06	6.05E-04	5.77E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
315	8.4549E-06	2.3616E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
316	8.4549E-06	2.6323E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.4549E-06	2.9359E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
318	8.4549E-06	3.2803E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
319	8.4549E-06	3.6625E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
320	8.4549E-06	4.3481E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
321	8.4549E-06	4.9522E-06	6.05E-04	3.00E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
322	8.4549E-06	5.7541E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
323	8.4549E-06	6.8058E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
324	8.4549E-06	7.865E-06	6.05E-04	4.76E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03
325	8.4549E-06	9.0016E-06	6.05E-04	5.45E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
326	8.4549E-06	1.023E-05	6.05E-04	6.19E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
327	8.4549E-06	1.2772E-05	6.05E-04	7.73E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
328	8.4549E-06	1.0396E-05	6.05E-04	6.29E-09	14.00	4.71E-02	4.15E-09	1,000,000	4.15E-03
329	8.4549E-06	1.0158E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
330	8.4549E-06	1.0082E-05	6.05E-04	6.10E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
331	8.4549E-06	1.0037E-05	6.05E-04	6.07E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
332	8.4549E-06	9.9682E-06	6.05E-04	6.03E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
333	8.4549E-06	9.448E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
334	8.4549E-06	9.3125E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
335	8.4549E-06	8.8422E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
336	8.4549E-06	8.3226E-06	6.05E-04	5.04E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
337	8.4549E-06	2.1065E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.41E-10	1,000,000	8.41E-04
338	8.4549E-06	2.3141E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.24E-10	1,000,000	9.24E-04
339	8.4549E-06	2.5273E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
340	8.4549E-06	2.8383E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
341	8.4549E-06	3.137E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
342	8.4549E-06	3.6472E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
343	8.4549E-06	4.0689E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
344	8.4549E-06	4.6733E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
345	8.4549E-06	5.3682E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
346	8.4549E-06	6.2353E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
347	8.4549E-06	6.9027E-06	6.05E-04	4.18E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
348	8.4549E-06	7.5962E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
349	8.4549E-06	7.3654E-06	6.05E-04	4.46E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.4549E-06	7.5359E-06	6.05E-04	4.56E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
351	8.4549E-06	7.6317E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
352	8.4549E-06	7.3657E-06	6.05E-04	4.46E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
353	8.4549E-06	7.6775E-06	6.05E-04	4.65E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03
354	8.4549E-06	7.5089E-06	6.05E-04	4.54E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
355	8.4549E-06	7.527E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
356	8.4549E-06	7.51E-06	6.05E-04	4.54E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
357	8.4549E-06	7.2643E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
358	8.4549E-06	6.9597E-06	6.05E-04	4.21E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
359	8.4549E-06	1.8498E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.39E-10	1,000,000	7.39E-04
360	8.4549E-06	2.0316E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.11E-10	1,000,000	8.11E-04
361	8.4549E-06	2.2203E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.87E-10	1,000,000	8.87E-04
362	8.4549E-06	2.4354E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.73E-10	1,000,000	9.73E-04
363	8.4549E-06	2.6604E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
364	8.4549E-06	3.006E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
365	8.4549E-06	3.3973E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
366	8.4549E-06	3.8666E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
367	8.4549E-06	4.4583E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
368	8.4549E-06	4.9666E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
369	8.4549E-06	5.3485E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
370	8.4549E-06	5.5638E-06	6.05E-04	3.37E-09	14.00	4.71E-02	2.22E-09	1,000,000	2.22E-03
371	8.4549E-06	5.8445E-06	6.05E-04	3.54E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
372	8.4549E-06	5.964E-06	6.05E-04	3.61E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
373	8.4549E-06	5.8641E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
374	8.4549E-06	5.7163E-06	6.05E-04	3.46E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
375	8.4549E-06	5.8956E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
376	8.4549E-06	5.8385E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
377	8.4549E-06	5.885E-06	6.05E-04	3.56E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
378	8.4549E-06	6.1764E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
379	8.4549E-06	6.1393E-06	6.05E-04	3.71E-09	14.00	4.71E-02	2.45E-09	1,000,000	2.45E-03
380	8.4549E-06	5.8177E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
381	8.4549E-06	8.2E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
382	8.4549E-06	9.42E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.4549E-06	1.0915E-05	6.05E-04	6.60E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
384	8.4549E-06	1.2758E-05	6.05E-04	7.72E-09	14.00	4.71E-02	5.09E-09	1,000,000	5.09E-03
385	8.4549E-06	1.503E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
386	8.4549E-06	1.7794E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.11E-09	1,000,000	7.11E-03
387	8.4549E-06	2.1051E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.41E-09	1,000,000	8.41E-03
388	8.4549E-06	2.4688E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.86E-09	1,000,000	9.86E-03
389	8.4549E-06	2.8288E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
390	8.4549E-06	3.1128E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
391	8.4549E-06	3.2359E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
392	8.4549E-06	3.1551E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
393	8.4549E-06	2.8972E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
394	8.4549E-06	2.5477E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
395	8.4549E-06	2.1745E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.68E-09	1,000,000	8.68E-03
396	8.4549E-06	1.837E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.34E-09	1,000,000	7.34E-03
397	8.4549E-06	1.5513E-05	6.05E-04	9.39E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
398	8.4549E-06	1.3159E-05	6.05E-04	7.96E-09	14.00	4.71E-02	5.26E-09	1,000,000	5.26E-03
399	8.4549E-06	8.7152E-06	6.05E-04	5.27E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
400	8.4549E-06	1.0131E-05	6.05E-04	6.13E-09	14.00	4.71E-02	4.05E-09	1,000,000	4.05E-03
401	8.4549E-06	1.1921E-05	6.05E-04	7.21E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
402	8.4549E-06	1.4221E-05	6.05E-04	8.60E-09	14.00	4.71E-02	5.68E-09	1,000,000	5.68E-03
403	8.4549E-06	1.7197E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.87E-09	1,000,000	6.87E-03
404	8.4549E-06	2.1051E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.41E-09	1,000,000	8.41E-03
405	8.4549E-06	2.6006E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
406	8.4549E-06	3.2115E-05	6.05E-04	1.94E-08	14.00	4.71E-02	1.28E-08	1,000,000	1.28E-02
407	8.4549E-06	3.8868E-05	6.05E-04	2.35E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
408	8.4549E-06	4.4816E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
409	8.4549E-06	4.7578E-05	6.05E-04	2.88E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02
410	8.4549E-06	4.5725E-05	6.05E-04	2.77E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
411	8.4549E-06	4.0375E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
412	8.4549E-06	3.3694E-05	6.05E-04	2.04E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
413	8.4549E-06	2.7314E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
414	8.4549E-06	2.2093E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.82E-09	1,000,000	8.82E-03
415	8.4549E-06	1.8012E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.19E-09	1,000,000	7.19E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.4549E-06	1.4837E-05	6.05E-04	8.98E-09	14.00	4.71E-02	5.93E-09	1,000,000	5.93E-03
417	8.4549E-06	9.1632E-06	6.05E-04	5.54E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
418	8.4549E-06	1.0766E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.30E-09	1,000,000	4.30E-03
419	8.4549E-06	1.285E-05	6.05E-04	7.78E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
420	8.4549E-06	1.5631E-05	6.05E-04	9.46E-09	14.00	4.71E-02	6.24E-09	1,000,000	6.24E-03
421	8.4549E-06	1.9427E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.76E-09	1,000,000	7.76E-03
422	8.4549E-06	2.4717E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.87E-09	1,000,000	9.87E-03
423	8.4549E-06	3.2231E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
424	8.4549E-06	4.2812E-05	6.05E-04	2.59E-08	14.00	4.71E-02	1.71E-08	1,000,000	1.71E-02
425	8.4549E-06	5.6544E-05	6.05E-04	3.42E-08	14.00	4.71E-02	2.26E-08	1,000,000	2.26E-02
426	8.4549E-06	7.0754E-05	6.05E-04	4.28E-08	14.00	4.71E-02	2.83E-08	1,000,000	2.83E-02
427	8.4549E-06	7.7996E-05	6.05E-04	4.72E-08	14.00	4.71E-02	3.11E-08	1,000,000	3.11E-02
428	8.4549E-06	7.3367E-05	6.05E-04	4.44E-08	14.00	4.71E-02	2.93E-08	1,000,000	2.93E-02
429	8.4549E-06	6.0155E-05	6.05E-04	3.64E-08	14.00	4.71E-02	2.40E-08	1,000,000	2.40E-02
430	8.4549E-06	4.5874E-05	6.05E-04	2.78E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
431	8.4549E-06	3.459E-05	6.05E-04	2.09E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
432	8.4549E-06	2.6526E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
433	8.4549E-06	2.0908E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.35E-09	1,000,000	8.35E-03
434	8.4549E-06	1.6787E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.70E-09	1,000,000	6.70E-03
435	8.4549E-06	8.3824E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
436	8.4549E-06	1.0327E-05	6.05E-04	6.25E-09	14.00	4.71E-02	4.12E-09	1,000,000	4.12E-03
437	8.4549E-06	1.3499E-05	6.05E-04	8.17E-09	14.00	4.71E-02	5.39E-09	1,000,000	5.39E-03
438	8.4549E-06	1.6833E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
439	8.4549E-06	2.1423E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.56E-09	1,000,000	8.56E-03
440	8.4549E-06	2.83E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
441	8.4549E-06	3.917E-05	6.05E-04	2.37E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
442	8.4549E-06	5.7286E-05	6.05E-04	3.47E-08	14.00	4.71E-02	2.29E-08	1,000,000	2.29E-02
443	8.4549E-06	8.7809E-05	6.05E-04	5.31E-08	14.00	4.71E-02	3.51E-08	1,000,000	3.51E-02
444	8.4549E-06	0.00013003	6.05E-04	7.87E-08	14.00	4.71E-02	5.19E-08	1,000,000	5.19E-02
445	8.4549E-06	0.00015659	6.05E-04	9.47E-08	14.00	4.71E-02	6.25E-08	1,000,000	6.25E-02
446	8.4549E-06	0.00013974	6.05E-04	8.46E-08	14.00	4.71E-02	5.58E-08	1,000,000	5.58E-02
447	8.4549E-06	9.8135E-05	6.05E-04	5.94E-08	14.00	4.71E-02	3.92E-08	1,000,000	3.92E-02
448	8.4549E-06	6.4286E-05	6.05E-04	3.89E-08	14.00	4.71E-02	2.57E-08	1,000,000	2.57E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.4549E-06	4.3998E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
450	8.4549E-06	3.1808E-05	6.05E-04	1.92E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
451	8.4549E-06	2.3937E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.56E-09	1,000,000	9.56E-03
452	8.4549E-06	1.8789E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.50E-09	1,000,000	7.50E-03
453	8.4549E-06	7.971E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
454	8.4549E-06	9.6984E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
455	8.4549E-06	1.2485E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.99E-09	1,000,000	4.99E-03
456	8.4549E-06	1.6667E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.66E-09	1,000,000	6.66E-03
457	8.4549E-06	2.2809E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.11E-09	1,000,000	9.11E-03
458	8.4549E-06	3.0956E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
459	8.4549E-06	4.5055E-05	6.05E-04	2.73E-08	14.00	4.71E-02	1.80E-08	1,000,000	1.80E-02
460	8.4549E-06	7.2953E-05	6.05E-04	4.41E-08	14.00	4.71E-02	2.91E-08	1,000,000	2.91E-02
461	8.4549E-06	0.00014045	6.05E-04	8.50E-08	14.00	4.71E-02	5.61E-08	1,000,000	5.61E-02
462	8.4549E-06	0.00032337	6.05E-04	1.96E-07	14.00	4.71E-02	1.29E-07	1,000,000	1.29E-01
463	8.4549E-06	0.00048885	6.05E-04	2.96E-07	14.00	4.71E-02	1.95E-07	1,000,000	1.95E-01
464	8.4549E-06	0.00038924	6.05E-04	2.36E-07	14.00	4.71E-02	1.55E-07	1,000,000	1.55E-01
465	8.4549E-06	0.00017982	6.05E-04	1.09E-07	14.00	4.71E-02	7.18E-08	1,000,000	7.18E-02
466	8.4549E-06	9.1261E-05	6.05E-04	5.52E-08	14.00	4.71E-02	3.64E-08	1,000,000	3.64E-02
467	8.4549E-06	5.5332E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
468	8.4549E-06	3.7446E-05	6.05E-04	2.27E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
469	8.4549E-06	2.7225E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
470	8.4549E-06	2.0814E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.31E-09	1,000,000	8.31E-03
471	8.4549E-06	7.2222E-06	6.05E-04	4.37E-09	14.00	4.71E-02	2.88E-09	1,000,000	2.88E-03
472	8.4549E-06	9.1702E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
473	8.4549E-06	1.1653E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
474	8.4549E-06	1.4908E-05	6.05E-04	9.02E-09	14.00	4.71E-02	5.95E-09	1,000,000	5.95E-03
475	8.4549E-06	1.9706E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.87E-09	1,000,000	7.87E-03
476	8.4549E-06	0.00011599	6.05E-04	7.02E-08	14.00	4.71E-02	4.63E-08	1,000,000	4.63E-02
477	8.4549E-06	6.4422E-05	6.05E-04	3.90E-08	14.00	4.71E-02	2.57E-08	1,000,000	2.57E-02
478	8.4549E-06	4.2061E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
479	8.4549E-06	2.987E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
480	8.4549E-06	2.2446E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.96E-09	1,000,000	8.96E-03
481	8.4549E-06	6.5256E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.4549E-06	8.2728E-06	6.05E-04	5.01E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
483	8.4549E-06	1.0211E-05	6.05E-04	6.18E-09	14.00	4.71E-02	4.08E-09	1,000,000	4.08E-03
484	8.4549E-06	1.3157E-05	6.05E-04	7.96E-09	14.00	4.71E-02	5.25E-09	1,000,000	5.25E-03
485	8.4549E-06	1.8314E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.31E-09	1,000,000	7.31E-03
486	8.4549E-06	0.00010359	6.05E-04	6.27E-08	14.00	4.71E-02	4.14E-08	1,000,000	4.14E-02
487	8.4549E-06	6.3062E-05	6.05E-04	3.82E-08	14.00	4.71E-02	2.52E-08	1,000,000	2.52E-02
488	8.4549E-06	4.2267E-05	6.05E-04	2.56E-08	14.00	4.71E-02	1.69E-08	1,000,000	1.69E-02
489	8.4549E-06	3.0431E-05	6.05E-04	1.84E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
490	8.4549E-06	2.3018E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.19E-09	1,000,000	9.19E-03
491	8.4549E-06	5.7743E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
492	8.4549E-06	7.1068E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
493	8.4549E-06	8.6689E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
494	8.4549E-06	1.1134E-05	6.05E-04	6.74E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
495	8.4549E-06	1.5093E-05	6.05E-04	9.13E-09	14.00	4.71E-02	6.03E-09	1,000,000	6.03E-03
496	8.4549E-06	4.8402E-05	6.05E-04	2.93E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
497	8.4549E-06	7.0553E-05	6.05E-04	4.27E-08	14.00	4.71E-02	2.82E-08	1,000,000	2.82E-02
498	8.4549E-06	0.00010237	6.05E-04	6.19E-08	14.00	4.71E-02	4.09E-08	1,000,000	4.09E-02
499	8.4549E-06	7.272E-05	6.05E-04	4.40E-08	14.00	4.71E-02	2.90E-08	1,000,000	2.90E-02
500	8.4549E-06	5.1553E-05	6.05E-04	3.12E-08	14.00	4.71E-02	2.06E-08	1,000,000	2.06E-02
501	8.4549E-06	3.7611E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
502	8.4549E-06	2.8379E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
503	8.4549E-06	2.2095E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.82E-09	1,000,000	8.82E-03
504	8.4549E-06	5.1135E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
505	8.4549E-06	6.0091E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
506	8.4549E-06	7.5612E-06	6.05E-04	4.58E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
507	8.4549E-06	9.2136E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
508	8.4549E-06	1.2361E-05	6.05E-04	7.48E-09	14.00	4.71E-02	4.94E-09	1,000,000	4.94E-03
509	8.4549E-06	1.6311E-05	6.05E-04	9.87E-09	14.00	4.71E-02	6.51E-09	1,000,000	6.51E-03
510	8.4549E-06	2.2223E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.87E-09	1,000,000	8.87E-03
511	8.4549E-06	3.1402E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
512	8.4549E-06	4.4146E-05	6.05E-04	2.67E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
513	8.4549E-06	5.7453E-05	6.05E-04	3.48E-08	14.00	4.71E-02	2.29E-08	1,000,000	2.29E-02
514	8.4549E-06	7.0701E-05	6.05E-04	4.28E-08	14.00	4.71E-02	2.82E-08	1,000,000	2.82E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.4549E-06	7.089E-05	6.05E-04	4.29E-08	14.00	4.71E-02	2.83E-08	1,000,000	2.83E-02
516	8.4549E-06	6.1075E-05	6.05E-04	3.70E-08	14.00	4.71E-02	2.44E-08	1,000,000	2.44E-02
517	8.4549E-06	4.9401E-05	6.05E-04	2.99E-08	14.00	4.71E-02	1.97E-08	1,000,000	1.97E-02
518	8.4549E-06	3.9075E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
519	8.4549E-06	3.0917E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
520	8.4549E-06	2.4701E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.86E-09	1,000,000	9.86E-03
521	8.4549E-06	2.0014E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.99E-09	1,000,000	7.99E-03
522	8.4549E-06	4.4746E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
523	8.4549E-06	5.3387E-06	6.05E-04	3.23E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
524	8.4549E-06	6.4309E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
525	8.4549E-06	7.7919E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
526	8.4549E-06	9.3361E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
527	8.4549E-06	1.259E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
528	8.4549E-06	1.6294E-05	6.05E-04	9.86E-09	14.00	4.71E-02	6.51E-09	1,000,000	6.51E-03
529	8.4549E-06	2.1382E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.54E-09	1,000,000	8.54E-03
530	8.4549E-06	2.8327E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
531	8.4549E-06	3.4652E-05	6.05E-04	2.10E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
532	8.4549E-06	3.9508E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
533	8.4549E-06	4.4082E-05	6.05E-04	2.67E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
534	8.4549E-06	3.7931E-05	6.05E-04	2.30E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
535	8.4549E-06	3.469E-05	6.05E-04	2.10E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
536	8.4549E-06	2.9567E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
537	8.4549E-06	2.4782E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.90E-09	1,000,000	9.90E-03
538	8.4549E-06	2.0751E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.29E-09	1,000,000	8.29E-03
539	8.4549E-06	1.7472E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.98E-09	1,000,000	6.98E-03
540	8.4549E-06	3.9234E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
541	8.4549E-06	4.6022E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
542	8.4549E-06	5.4274E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
543	8.4549E-06	6.4627E-06	6.05E-04	3.91E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
544	8.4549E-06	7.972E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
545	8.4549E-06	9.6029E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03
546	8.4549E-06	1.2037E-05	6.05E-04	7.28E-09	14.00	4.71E-02	4.81E-09	1,000,000	4.81E-03
547	8.4549E-06	1.4839E-05	6.05E-04	8.98E-09	14.00	4.71E-02	5.93E-09	1,000,000	5.93E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.4549E-06	1.88E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.51E-09	1,000,000	7.51E-03
549	8.4549E-06	2.2565E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.01E-09	1,000,000	9.01E-03
550	8.4549E-06	2.5911E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
551	8.4549E-06	3.106E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
552	8.4549E-06	2.5233E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
553	8.4549E-06	2.3038E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.20E-09	1,000,000	9.20E-03
554	8.4549E-06	2.1026E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.40E-09	1,000,000	8.40E-03
555	8.4549E-06	1.9995E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.98E-09	1,000,000	7.98E-03
556	8.4549E-06	1.7314E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.91E-09	1,000,000	6.91E-03
557	8.4549E-06	1.5006E-05	6.05E-04	9.08E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
558	8.4549E-06	3.4487E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
559	8.4549E-06	3.9909E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
560	8.4549E-06	4.5338E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
561	8.4549E-06	5.3302E-06	6.05E-04	3.23E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
562	8.4549E-06	6.1795E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
563	8.4549E-06	7.3464E-06	6.05E-04	4.45E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
564	8.4549E-06	9.0805E-06	6.05E-04	5.49E-09	14.00	4.71E-02	3.63E-09	1,000,000	3.63E-03
565	8.4549E-06	1.0753E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
566	8.4549E-06	1.321E-05	6.05E-04	7.99E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
567	8.4549E-06	1.5431E-05	6.05E-04	9.34E-09	14.00	4.71E-02	6.16E-09	1,000,000	6.16E-03
568	8.4549E-06	1.7923E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.16E-09	1,000,000	7.16E-03
569	8.4549E-06	1.7161E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.85E-09	1,000,000	6.85E-03
570	8.4549E-06	1.6348E-05	6.05E-04	9.89E-09	14.00	4.71E-02	6.53E-09	1,000,000	6.53E-03
571	8.4549E-06	1.6266E-05	6.05E-04	9.84E-09	14.00	4.71E-02	6.50E-09	1,000,000	6.50E-03
572	8.4549E-06	1.6029E-05	6.05E-04	9.70E-09	14.00	4.71E-02	6.40E-09	1,000,000	6.40E-03
573	8.4549E-06	1.4955E-05	6.05E-04	9.05E-09	14.00	4.71E-02	5.97E-09	1,000,000	5.97E-03
574	8.4549E-06	1.3964E-05	6.05E-04	8.45E-09	14.00	4.71E-02	5.58E-09	1,000,000	5.58E-03
575	8.4549E-06	1.3025E-05	6.05E-04	7.88E-09	14.00	4.71E-02	5.20E-09	1,000,000	5.20E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	8.45E-06	5.8267E-06	2.50E-04	1.46E-09	1.40E+01	1.57E-02	3.21E-10	1.0E+06	3.2E-04	4.6E-03	Res	1.041	167
2	8.4549E-06	6.4615E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.56E-10	1,000,000	3.56E-04	5.1E-03			
3	8.4549E-06	7.1902E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
4	8.4549E-06	8.0221E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.42E-10	1,000,000	4.42E-04	6.4E-03			
5	8.4549E-06	8.9688E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.94E-10	1,000,000	4.94E-04	7.1E-03			
6	8.4549E-06	1.0031E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.52E-10	1,000,000	5.52E-04	8.0E-03			
7	8.4549E-06	1.1187E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.16E-10	1,000,000	6.16E-04	8.9E-03			
8	8.4549E-06	1.2405E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.9E-03			
9	8.4549E-06	1.3626E-05	2.50E-04	3.41E-09	14.00	1.57E-02	7.50E-10	1,000,000	7.50E-04	1.1E-02			
10	8.4549E-06	1.4733E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.11E-10	1,000,000	8.11E-04	1.2E-02			
11	8.4549E-06	1.5596E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.59E-10	1,000,000	8.59E-04	1.2E-02			
12	8.4549E-06	1.6091E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.86E-10	1,000,000	8.86E-04	1.3E-02			
13	8.4549E-06	1.6131E-05	2.50E-04	4.04E-09	14.00	1.57E-02	8.88E-10	1,000,000	8.88E-04	1.3E-02			
14	8.4549E-06	1.5703E-05	2.50E-04	3.93E-09	14.00	1.57E-02	8.65E-10	1,000,000	8.65E-04	1.3E-02			
15	8.4549E-06	1.4884E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.20E-10	1,000,000	8.20E-04	1.2E-02			
16	8.4549E-06	1.3785E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.59E-10	1,000,000	7.59E-04	1.1E-02			
17	8.4549E-06	1.2586E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
18	8.4549E-06	1.136E-05	2.50E-04	2.84E-09	14.00	1.57E-02	6.25E-10	1,000,000	6.25E-04	9.0E-03			
19	8.4549E-06	1.0177E-05	2.50E-04	2.55E-09	14.00	1.57E-02	5.60E-10	1,000,000	5.60E-04	8.1E-03			
20	8.4549E-06	9.1128E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.02E-10	1,000,000	5.02E-04	7.3E-03			
21	8.4549E-06	8.1548E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.49E-10	1,000,000	4.49E-04	6.5E-03			
22	8.4549E-06	7.2993E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.02E-10	1,000,000	4.02E-04	5.8E-03			
23	8.4549E-06	6.211E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
24	8.4549E-06	6.9508E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.5E-03			
25	8.4549E-06	7.8181E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
26	8.4549E-06	8.8361E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	8.4549E-06	1.0026E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.52E-10	1,000,000	5.52E-04	8.0E-03			
28	8.4549E-06	1.1414E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.28E-10	1,000,000	6.28E-04	9.1E-03			
29	8.4549E-06	1.2983E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.0E-02			
30	8.4549E-06	1.4726E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.11E-10	1,000,000	8.11E-04	1.2E-02			
31	8.4549E-06	1.6537E-05	2.50E-04	4.14E-09	14.00	1.57E-02	9.11E-10	1,000,000	9.11E-04	1.3E-02			
32	8.4549E-06	1.8261E-05	2.50E-04	4.57E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
33	8.4549E-06	1.9652E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
34	8.4549E-06	2.05E-05	2.50E-04	5.13E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
35	8.4549E-06	2.0594E-05	2.50E-04	5.15E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
36	8.4549E-06	1.9911E-05	2.50E-04	4.98E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
37	8.4549E-06	1.8519E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
38	8.4549E-06	1.681E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.3E-02			
39	8.4549E-06	1.5026E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
40	8.4549E-06	1.327E-05	2.50E-04	3.32E-09	14.00	1.57E-02	7.31E-10	1,000,000	7.31E-04	1.1E-02			
41	8.4549E-06	1.165E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
42	8.4549E-06	1.0224E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.63E-10	1,000,000	5.63E-04	8.1E-03			
43	8.4549E-06	8.993E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.95E-10	1,000,000	4.95E-04	7.2E-03			
44	8.4549E-06	7.9881E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.4E-03			
45	8.4549E-06	6.587E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.2E-03			
46	8.4549E-06	7.4394E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.9E-03			
47	8.4549E-06	8.4616E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.66E-10	1,000,000	4.66E-04	6.7E-03			
48	8.4549E-06	9.6944E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.34E-10	1,000,000	5.34E-04	7.7E-03			
49	8.4549E-06	1.1184E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.16E-10	1,000,000	6.16E-04	8.9E-03			
50	8.4549E-06	1.2983E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.0E-02			
51	8.4549E-06	1.5133E-05	2.50E-04	3.79E-09	14.00	1.57E-02	8.33E-10	1,000,000	8.33E-04	1.2E-02			
52	8.4549E-06	1.7639E-05	2.50E-04	4.41E-09	14.00	1.57E-02	9.71E-10	1,000,000	9.71E-04	1.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	8.4549E-06	2.0431E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
54	8.4549E-06	2.3246E-05	2.50E-04	5.82E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
55	8.4549E-06	2.5678E-05	2.50E-04	6.43E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
56	8.4549E-06	2.7196E-05	2.50E-04	6.81E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
57	8.4549E-06	2.7354E-05	2.50E-04	6.85E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
58	8.4549E-06	2.6174E-05	2.50E-04	6.55E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
59	8.4549E-06	2.3758E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
60	8.4549E-06	2.0929E-05	2.50E-04	5.24E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
61	8.4549E-06	1.8152E-05	2.50E-04	4.54E-09	14.00	1.57E-02	9.99E-10	1,000,000	9.99E-04	1.4E-02			
62	8.4549E-06	1.5574E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.58E-10	1,000,000	8.58E-04	1.2E-02			
63	8.4549E-06	1.3353E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.35E-10	1,000,000	7.35E-04	1.1E-02			
64	8.4549E-06	1.1499E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.33E-10	1,000,000	6.33E-04	9.2E-03			
65	8.4549E-06	9.9756E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
66	8.4549E-06	8.7192E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
67	8.4549E-06	6.9353E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.82E-10	1,000,000	3.82E-04	5.5E-03			
68	8.4549E-06	7.903E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.35E-10	1,000,000	4.35E-04	6.3E-03			
69	8.4549E-06	9.0876E-06	2.50E-04	2.27E-09	14.00	1.57E-02	5.00E-10	1,000,000	5.00E-04	7.2E-03			
70	8.4549E-06	1.0558E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.81E-10	1,000,000	5.81E-04	8.4E-03			
71	8.4549E-06	1.2397E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.9E-03			
72	8.4549E-06	1.4715E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.10E-10	1,000,000	8.10E-04	1.2E-02			
73	8.4549E-06	1.7642E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.71E-10	1,000,000	9.71E-04	1.4E-02			
74	8.4549E-06	2.1284E-05	2.50E-04	5.33E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
75	8.4549E-06	2.5673E-05	2.50E-04	6.43E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
76	8.4549E-06	3.0561E-05	2.50E-04	7.65E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			
77	8.4549E-06	3.5195E-05	2.50E-04	8.81E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
78	8.4549E-06	3.8336E-05	2.50E-04	9.59E-09	14.00	1.57E-02	2.11E-09	1,000,000	2.11E-03	3.1E-02			
79	8.4549E-06	3.8629E-05	2.50E-04	9.67E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
80	8.4549E-06	3.606E-05	2.50E-04	9.02E-09	14.00	1.57E-02	1.99E-09	1,000,000	1.99E-03	2.9E-02			
81	8.4549E-06	3.1611E-05	2.50E-04	7.91E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
82	8.4549E-06	2.6741E-05	2.50E-04	6.69E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
83	8.4549E-06	2.2166E-05	2.50E-04	5.55E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
84	8.4549E-06	1.8377E-05	2.50E-04	4.60E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
85	8.4549E-06	1.5241E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	8.4549E-06	1.2896E-05	2.50E-04	3.23E-09	14.00	1.57E-02	7.10E-10	1,000,000	7.10E-04	1.0E-02			
87	8.4549E-06	1.0991E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.8E-03			
88	8.4549E-06	9.4843E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.6E-03			
89	8.4549E-06	7.242E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
90	8.4549E-06	8.3181E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
91	8.4549E-06	9.6611E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.7E-03			
92	8.4549E-06	1.1368E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.26E-10	1,000,000	6.26E-04	9.1E-03			
93	8.4549E-06	1.358E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.48E-10	1,000,000	7.48E-04	1.1E-02			
94	8.4549E-06	1.6508E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.09E-10	1,000,000	9.09E-04	1.3E-02			
95	8.4549E-06	2.0419E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
96	8.4549E-06	2.5698E-05	2.50E-04	6.43E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
97	8.4549E-06	3.2766E-05	2.50E-04	8.20E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
98	8.4549E-06	4.1686E-05	2.50E-04	1.04E-08	14.00	1.57E-02	2.30E-09	1,000,000	2.30E-03	3.3E-02			
99	8.4549E-06	5.1297E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.82E-09	1,000,000	2.82E-03	4.1E-02			
100	8.4549E-06	5.8471E-05	2.50E-04	1.46E-08	14.00	1.57E-02	3.22E-09	1,000,000	3.22E-03	4.7E-02			
101	8.4549E-06	5.931E-05	2.50E-04	1.48E-08	14.00	1.57E-02	3.27E-09	1,000,000	3.27E-03	4.7E-02			
102	8.4549E-06	5.3314E-05	2.50E-04	1.33E-08	14.00	1.57E-02	2.94E-09	1,000,000	2.94E-03	4.2E-02			
103	8.4549E-06	4.3946E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02			
104	8.4549E-06	3.4679E-05	2.50E-04	8.68E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
105	8.4549E-06	2.7272E-05	2.50E-04	6.83E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
106	8.4549E-06	2.1659E-05	2.50E-04	5.42E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
107	8.4549E-06	1.749E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.63E-10	1,000,000	9.63E-04	1.4E-02			
108	8.4549E-06	1.4402E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.93E-10	1,000,000	7.93E-04	1.1E-02			
109	8.4549E-06	1.2061E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.64E-10	1,000,000	6.64E-04	9.6E-03			
110	8.4549E-06	1.0279E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
111	8.4549E-06	6.8631E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.5E-03			
112	8.4549E-06	8.4936E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.68E-10	1,000,000	4.68E-04	6.8E-03			
113	8.4549E-06	9.545E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.26E-10	1,000,000	5.26E-04	7.6E-03			
114	8.4549E-06	1.1408E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.28E-10	1,000,000	6.28E-04	9.1E-03			
115	8.4549E-06	1.464E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.06E-10	1,000,000	8.06E-04	1.2E-02			
116	8.4549E-06	1.819E-05	2.50E-04	4.55E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.4E-02			
117	8.4549E-06	2.3228E-05	2.50E-04	5.81E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
118	8.4549E-06	3.0649E-05	2.50E-04	7.67E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	8.4549E-06	4.1912E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.31E-09	1,000,000	2.31E-03	3.3E-02			
120	8.4549E-06	5.8966E-05	2.50E-04	1.48E-08	14.00	1.57E-02	3.25E-09	1,000,000	3.25E-03	4.7E-02			
121	8.4549E-06	8.2025E-05	2.50E-04	2.05E-08	14.00	1.57E-02	4.52E-09	1,000,000	4.52E-03	6.5E-02			
122	8.4549E-06	0.00010251	2.50E-04	2.57E-08	14.00	1.57E-02	5.64E-09	1,000,000	5.64E-03	8.2E-02			
123	8.4549E-06	0.00010524	2.50E-04	2.63E-08	14.00	1.57E-02	5.79E-09	1,000,000	5.79E-03	8.4E-02			
124	8.4549E-06	8.7684E-05	2.50E-04	2.19E-08	14.00	1.57E-02	4.83E-09	1,000,000	4.83E-03	7.0E-02			
125	8.4549E-06	6.4302E-05	2.50E-04	1.61E-08	14.00	1.57E-02	3.54E-09	1,000,000	3.54E-03	5.1E-02			
126	8.4549E-06	4.5806E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.52E-09	1,000,000	2.52E-03	3.6E-02			
127	8.4549E-06	3.355E-05	2.50E-04	8.40E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
128	8.4549E-06	2.5439E-05	2.50E-04	6.37E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.0E-02			
129	8.4549E-06	1.9886E-05	2.50E-04	4.98E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
130	8.4549E-06	1.6023E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.82E-10	1,000,000	8.82E-04	1.3E-02			
131	8.4549E-06	1.3194E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.26E-10	1,000,000	7.26E-04	1.1E-02			
132	8.4549E-06	1.1096E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.11E-10	1,000,000	6.11E-04	8.8E-03			
133	8.4549E-06	6.4171E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
134	8.4549E-06	7.553E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.0E-03			
135	8.4549E-06	8.9754E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.94E-10	1,000,000	4.94E-04	7.1E-03			
136	8.4549E-06	1.1306E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	9.0E-03			
137	8.4549E-06	1.545E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.51E-10	1,000,000	8.51E-04	1.2E-02			
138	8.4549E-06	1.9508E-05	2.50E-04	4.88E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
139	8.4549E-06	2.5578E-05	2.50E-04	6.40E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
140	8.4549E-06	3.5225E-05	2.50E-04	8.82E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
141	8.4549E-06	5.2076E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.87E-09	1,000,000	2.87E-03	4.1E-02			
142	8.4549E-06	8.4347E-05	2.50E-04	2.11E-08	14.00	1.57E-02	4.64E-09	1,000,000	4.64E-03	6.7E-02			
143	8.4549E-06	0.00014875	2.50E-04	3.72E-08	14.00	1.57E-02	8.19E-09	1,000,000	8.19E-03	1.2E-01			
144	8.4549E-06	0.00023354	2.50E-04	5.84E-08	14.00	1.57E-02	1.29E-08	1,000,000	1.29E-02	1.9E-01			
145	8.4549E-06	0.00024676	2.50E-04	6.18E-08	14.00	1.57E-02	1.36E-08	1,000,000	1.36E-02	2.0E-01			
146	8.4549E-06	0.0001716	2.50E-04	4.29E-08	14.00	1.57E-02	9.45E-09	1,000,000	9.45E-03	1.4E-01			
147	8.4549E-06	9.9198E-05	2.50E-04	2.48E-08	14.00	1.57E-02	5.46E-09	1,000,000	5.46E-03	7.9E-02			
148	8.4549E-06	6.0901E-05	2.50E-04	1.52E-08	14.00	1.57E-02	3.35E-09	1,000,000	3.35E-03	4.9E-02			
149	8.4549E-06	4.1086E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.26E-09	1,000,000	2.26E-03	3.3E-02			
150	8.4549E-06	2.9577E-05	2.50E-04	7.40E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.4E-02			
151	8.4549E-06	2.2407E-05	2.50E-04	5.61E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	8.4549E-06	1.7674E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.73E-10	1,000,000	9.73E-04	1.4E-02			
153	8.4549E-06	1.4337E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.89E-10	1,000,000	7.89E-04	1.1E-02			
154	8.4549E-06	1.1907E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.56E-10	1,000,000	6.56E-04	9.5E-03			
155	8.4549E-06	5.6444E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
156	8.4549E-06	6.7928E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
157	8.4549E-06	8.5831E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.73E-10	1,000,000	4.73E-04	6.8E-03			
158	8.4549E-06	1.0462E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
159	8.4549E-06	1.3479E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.42E-10	1,000,000	7.42E-04	1.1E-02			
160	8.4549E-06	1.7817E-05	2.50E-04	4.46E-09	14.00	1.57E-02	9.81E-10	1,000,000	9.81E-04	1.4E-02			
161	8.4549E-06	2.4739E-05	2.50E-04	6.19E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
162	8.4549E-06	3.8011E-05	2.50E-04	9.51E-09	14.00	1.57E-02	2.09E-09	1,000,000	2.09E-03	3.0E-02			
163	8.4549E-06	5.9189E-05	2.50E-04	1.48E-08	14.00	1.57E-02	3.26E-09	1,000,000	3.26E-03	4.7E-02			
164	8.4549E-06	0.00010958	2.50E-04	2.74E-08	14.00	1.57E-02	6.03E-09	1,000,000	6.03E-03	8.7E-02			
165	8.4549E-06	0.00030368	2.50E-04	7.60E-08	14.00	1.57E-02	1.67E-08	1,000,000	1.67E-02	2.4E-01			
166	8.4549E-06	0.00118873	2.50E-04	2.98E-07	14.00	1.57E-02	6.55E-08	1,000,000	6.55E-02	9.5E-01			
167	8.4549E-06	0.00130692	2.50E-04	3.27E-07	14.00	1.57E-02	7.20E-08	1,000,000	7.20E-02	1.0E+00			
168	8.4549E-06	0.0004884	2.50E-04	1.22E-07	14.00	1.57E-02	2.69E-08	1,000,000	2.69E-02	3.9E-01			
169	8.4549E-06	0.00015427	2.50E-04	3.86E-08	14.00	1.57E-02	8.49E-09	1,000,000	8.49E-03	1.2E-01			
170	8.4549E-06	7.8453E-05	2.50E-04	1.96E-08	14.00	1.57E-02	4.32E-09	1,000,000	4.32E-03	6.2E-02			
171	8.4549E-06	4.8587E-05	2.50E-04	1.22E-08	14.00	1.57E-02	2.68E-09	1,000,000	2.68E-03	3.9E-02			
172	8.4549E-06	3.3629E-05	2.50E-04	8.42E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
173	8.4549E-06	2.4816E-05	2.50E-04	6.21E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
174	8.4549E-06	1.9204E-05	2.50E-04	4.81E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
175	8.4549E-06	1.5395E-05	2.50E-04	3.85E-09	14.00	1.57E-02	8.48E-10	1,000,000	8.48E-04	1.2E-02			
176	8.4549E-06	1.266E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
177	8.4549E-06	5.2282E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
178	8.4549E-06	6.3709E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
179	8.4549E-06	8.0572E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.44E-10	1,000,000	4.44E-04	6.4E-03			
180	8.4549E-06	1.0246E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.64E-10	1,000,000	5.64E-04	8.2E-03			
181	8.4549E-06	1.2976E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.14E-10	1,000,000	7.14E-04	1.0E-02			
182	8.4549E-06	1.6757E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.23E-10	1,000,000	9.23E-04	1.3E-02			
183	8.4549E-06	2.2848E-05	2.50E-04	5.72E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
184	8.4549E-06	0.00016589	2.50E-04	4.15E-08	14.00	1.57E-02	9.13E-09	1,000,000	9.13E-03	1.3E-01			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	8.4549E-06	8.4672E-05	2.50E-04	2.12E-08	14.00	1.57E-02	4.66E-09	1,000,000	4.66E-03	6.7E-02			
186	8.4549E-06	5.2343E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.88E-09	1,000,000	2.88E-03	4.2E-02			
187	8.4549E-06	3.5825E-05	2.50E-04	8.97E-09	14.00	1.57E-02	1.97E-09	1,000,000	1.97E-03	2.9E-02			
188	8.4549E-06	2.6243E-05	2.50E-04	6.57E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
189	8.4549E-06	2.0192E-05	2.50E-04	5.05E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
190	8.4549E-06	1.6094E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.86E-10	1,000,000	8.86E-04	1.3E-02			
191	8.4549E-06	1.3175E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.25E-10	1,000,000	7.25E-04	1.0E-02			
192	8.4549E-06	4.7205E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
193	8.4549E-06	5.6233E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
194	8.4549E-06	6.9875E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			
195	8.4549E-06	8.7633E-06	2.50E-04	2.19E-09	14.00	1.57E-02	4.83E-10	1,000,000	4.83E-04	7.0E-03			
196	8.4549E-06	1.1391E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.27E-10	1,000,000	6.27E-04	9.1E-03			
197	8.4549E-06	1.4537E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.00E-10	1,000,000	8.00E-04	1.2E-02			
198	8.4549E-06	1.999E-05	2.50E-04	5.00E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
199	8.4549E-06	7.2475E-05	2.50E-04	1.81E-08	14.00	1.57E-02	3.99E-09	1,000,000	3.99E-03	5.8E-02			
200	8.4549E-06	0.00011063	2.50E-04	2.77E-08	14.00	1.57E-02	6.09E-09	1,000,000	6.09E-03	8.8E-02			
201	8.4549E-06	7.0921E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.90E-09	1,000,000	3.90E-03	5.6E-02			
202	8.4549E-06	4.8008E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.64E-09	1,000,000	2.64E-03	3.8E-02			
203	8.4549E-06	3.444E-05	2.50E-04	8.62E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.7E-02			
204	8.4549E-06	2.5859E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
205	8.4549E-06	2.0156E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
206	8.4549E-06	1.6182E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.91E-10	1,000,000	8.91E-04	1.3E-02			
207	8.4549E-06	1.3312E-05	2.50E-04	3.33E-09	14.00	1.57E-02	7.33E-10	1,000,000	7.33E-04	1.1E-02			
208	8.4549E-06	4.2663E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
209	8.4549E-06	5.0342E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
210	8.4549E-06	5.8681E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
211	8.4549E-06	7.3125E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
212	8.4549E-06	9.0675E-06	2.50E-04	2.27E-09	14.00	1.57E-02	4.99E-10	1,000,000	4.99E-04	7.2E-03			
213	8.4549E-06	1.1794E-05	2.50E-04	2.95E-09	14.00	1.57E-02	6.49E-10	1,000,000	6.49E-04	9.4E-03			
214	8.4549E-06	1.6133E-05	2.50E-04	4.04E-09	14.00	1.57E-02	8.88E-10	1,000,000	8.88E-04	1.3E-02			
215	8.4549E-06	2.2122E-05	2.50E-04	5.54E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
216	8.4549E-06	3.3223E-05	2.50E-04	8.31E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.6E-02			
217	8.4549E-06	4.7537E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.62E-09	1,000,000	2.62E-03	3.8E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	8.4549E-06	8.7218E-05	2.50E-04	2.18E-08	14.00	1.57E-02	4.80E-09	1,000,000	4.80E-03	6.9E-02			
219	8.4549E-06	6.8597E-05	2.50E-04	1.72E-08	14.00	1.57E-02	3.78E-09	1,000,000	3.78E-03	5.5E-02			
220	8.4549E-06	5.1872E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.86E-09	1,000,000	2.86E-03	4.1E-02			
221	8.4549E-06	3.9233E-05	2.50E-04	9.82E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
222	8.4549E-06	3.0156E-05	2.50E-04	7.55E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
223	8.4549E-06	2.3683E-05	2.50E-04	5.93E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
224	8.4549E-06	1.9005E-05	2.50E-04	4.76E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
225	8.4549E-06	1.5557E-05	2.50E-04	3.89E-09	14.00	1.57E-02	8.57E-10	1,000,000	8.57E-04	1.2E-02			
226	8.4549E-06	1.2968E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.14E-10	1,000,000	7.14E-04	1.0E-02			
227	8.4549E-06	3.8274E-06	2.50E-04	9.58E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
228	8.4549E-06	4.4306E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
229	8.4549E-06	5.1854E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.86E-10	1,000,000	2.86E-04	4.1E-03			
230	8.4549E-06	6.2253E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
231	8.4549E-06	7.6229E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.20E-10	1,000,000	4.20E-04	6.1E-03			
232	8.4549E-06	9.3167E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.13E-10	1,000,000	5.13E-04	7.4E-03			
233	8.4549E-06	1.2464E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
234	8.4549E-06	1.6449E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.06E-10	1,000,000	9.06E-04	1.3E-02			
235	8.4549E-06	2.2416E-05	2.50E-04	5.61E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
236	8.4549E-06	3.0641E-05	2.50E-04	7.67E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
237	8.4549E-06	3.9637E-05	2.50E-04	9.92E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.2E-02			
238	8.4549E-06	4.8267E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.66E-09	1,000,000	2.66E-03	3.8E-02			
239	8.4549E-06	5.3576E-05	2.50E-04	1.34E-08	14.00	1.57E-02	2.95E-09	1,000,000	2.95E-03	4.3E-02			
240	8.4549E-06	5.2011E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.86E-09	1,000,000	2.86E-03	4.1E-02			
241	8.4549E-06	4.5316E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.50E-09	1,000,000	2.50E-03	3.6E-02			
242	8.4549E-06	3.7185E-05	2.50E-04	9.31E-09	14.00	1.57E-02	2.05E-09	1,000,000	2.05E-03	3.0E-02			
243	8.4549E-06	3.0612E-05	2.50E-04	7.66E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
244	8.4549E-06	2.5046E-05	2.50E-04	6.27E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
245	8.4549E-06	2.0608E-05	2.50E-04	5.16E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
246	8.4549E-06	1.712E-05	2.50E-04	4.28E-09	14.00	1.57E-02	9.43E-10	1,000,000	9.43E-04	1.4E-02			
247	8.4549E-06	1.438E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.92E-10	1,000,000	7.92E-04	1.1E-02			
248	8.4549E-06	1.2217E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.73E-10	1,000,000	6.73E-04	9.7E-03			
249	8.4549E-06	3.4445E-06	2.50E-04	8.62E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
250	8.4549E-06	3.9251E-06	2.50E-04	9.82E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	8.4549E-06	4.5133E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
252	8.4549E-06	5.362E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
253	8.4549E-06	6.3821E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
254	8.4549E-06	7.9686E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.3E-03			
255	8.4549E-06	9.7647E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.8E-03			
256	8.4549E-06	1.2782E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.04E-10	1,000,000	7.04E-04	1.0E-02			
257	8.4549E-06	1.589E-05	2.50E-04	3.98E-09	14.00	1.57E-02	8.75E-10	1,000,000	8.75E-04	1.3E-02			
258	8.4549E-06	1.9753E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
259	8.4549E-06	2.5269E-05	2.50E-04	6.32E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
260	8.4549E-06	3.0093E-05	2.50E-04	7.53E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
261	8.4549E-06	3.2991E-05	2.50E-04	8.26E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
262	8.4549E-06	3.1984E-05	2.50E-04	8.00E-09	14.00	1.57E-02	1.76E-09	1,000,000	1.76E-03	2.5E-02			
263	8.4549E-06	2.9212E-05	2.50E-04	7.31E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
264	8.4549E-06	2.638E-05	2.50E-04	6.60E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
265	8.4549E-06	2.4029E-05	2.50E-04	6.01E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
266	8.4549E-06	2.0523E-05	2.50E-04	5.14E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
267	8.4549E-06	1.7513E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.64E-10	1,000,000	9.64E-04	1.4E-02			
268	8.4549E-06	1.5011E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
269	8.4549E-06	1.2936E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.12E-10	1,000,000	7.12E-04	1.0E-02			
270	8.4549E-06	1.1216E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.18E-10	1,000,000	6.18E-04	8.9E-03			
271	8.4549E-06	3.0445E-06	2.50E-04	7.62E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
272	8.4549E-06	3.4257E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
273	8.4549E-06	3.9281E-06	2.50E-04	9.83E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			
274	8.4549E-06	4.5413E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
275	8.4549E-06	5.3204E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
276	8.4549E-06	6.4103E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
277	8.4549E-06	7.7442E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.26E-10	1,000,000	4.26E-04	6.2E-03			
278	8.4549E-06	9.2831E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.11E-10	1,000,000	5.11E-04	7.4E-03			
279	8.4549E-06	1.1408E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.28E-10	1,000,000	6.28E-04	9.1E-03			
280	8.4549E-06	1.3903E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.66E-10	1,000,000	7.66E-04	1.1E-02			
281	8.4549E-06	1.7028E-05	2.50E-04	4.26E-09	14.00	1.57E-02	9.38E-10	1,000,000	9.38E-04	1.4E-02			
282	8.4549E-06	2.0334E-05	2.50E-04	5.09E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
283	8.4549E-06	2.1838E-05	2.50E-04	5.47E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	8.4549E-06	2.0127E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
285	8.4549E-06	1.992E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
286	8.4549E-06	1.8724E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
287	8.4549E-06	1.7445E-05	2.50E-04	4.37E-09	14.00	1.57E-02	9.61E-10	1,000,000	9.61E-04	1.4E-02			
288	8.4549E-06	1.6374E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.02E-10	1,000,000	9.02E-04	1.3E-02			
289	8.4549E-06	1.4966E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.24E-10	1,000,000	8.24E-04	1.2E-02			
290	8.4549E-06	1.3023E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.17E-10	1,000,000	7.17E-04	1.0E-02			
291	8.4549E-06	1.1464E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.31E-10	1,000,000	6.31E-04	9.1E-03			
292	8.4549E-06	1.0128E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.58E-10	1,000,000	5.58E-04	8.1E-03			
293	8.4549E-06	2.7064E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
294	8.4549E-06	3.032E-06	2.50E-04	7.59E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
295	8.4549E-06	3.4164E-06	2.50E-04	8.55E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
296	8.4549E-06	3.8547E-06	2.50E-04	9.65E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
297	8.4549E-06	4.4873E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
298	8.4549E-06	5.2253E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
299	8.4549E-06	6.1506E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
300	8.4549E-06	7.4275E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
301	8.4549E-06	8.5334E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.8E-03			
302	8.4549E-06	1.0287E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
303	8.4549E-06	1.2088E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.66E-10	1,000,000	6.66E-04	9.6E-03			
304	8.4549E-06	1.4158E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.80E-10	1,000,000	7.80E-04	1.1E-02			
305	8.4549E-06	1.5017E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
306	8.4549E-06	1.4302E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.87E-10	1,000,000	7.87E-04	1.1E-02			
307	8.4549E-06	1.3917E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.66E-10	1,000,000	7.66E-04	1.1E-02			
308	8.4549E-06	1.3212E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.27E-10	1,000,000	7.27E-04	1.1E-02			
309	8.4549E-06	1.3762E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
310	8.4549E-06	1.2777E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.04E-10	1,000,000	7.04E-04	1.0E-02			
311	8.4549E-06	1.2028E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
312	8.4549E-06	1.1389E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.27E-10	1,000,000	6.27E-04	9.1E-03			
313	8.4549E-06	1.042E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.74E-10	1,000,000	5.74E-04	8.3E-03			
314	8.4549E-06	9.5285E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.25E-10	1,000,000	5.25E-04	7.6E-03			
315	8.4549E-06	2.3616E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
316	8.4549E-06	2.6323E-06	2.50E-04	6.59E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	8.4549E-06	2.9359E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
318	8.4549E-06	3.2803E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
319	8.4549E-06	3.6625E-06	2.50E-04	9.17E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
320	8.4549E-06	4.3481E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.39E-10	1,000,000	2.39E-04	3.5E-03			
321	8.4549E-06	4.9522E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	3.9E-03			
322	8.4549E-06	5.7541E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
323	8.4549E-06	6.8058E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.75E-10	1,000,000	3.75E-04	5.4E-03			
324	8.4549E-06	7.865E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.3E-03			
325	8.4549E-06	9.0016E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.96E-10	1,000,000	4.96E-04	7.2E-03			
326	8.4549E-06	1.023E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.63E-10	1,000,000	5.63E-04	8.1E-03			
327	8.4549E-06	1.2772E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.03E-10	1,000,000	7.03E-04	1.0E-02			
328	8.4549E-06	1.0396E-05	2.50E-04	2.60E-09	14.00	1.57E-02	5.72E-10	1,000,000	5.72E-04	8.3E-03			
329	8.4549E-06	1.0158E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
330	8.4549E-06	1.0082E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.55E-10	1,000,000	5.55E-04	8.0E-03			
331	8.4549E-06	1.0037E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.53E-10	1,000,000	5.53E-04	8.0E-03			
332	8.4549E-06	9.9682E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
333	8.4549E-06	9.448E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.5E-03			
334	8.4549E-06	9.3125E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.13E-10	1,000,000	5.13E-04	7.4E-03			
335	8.4549E-06	8.8422E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
336	8.4549E-06	8.3226E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
337	8.4549E-06	2.1065E-06	2.50E-04	5.27E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
338	8.4549E-06	2.3141E-06	2.50E-04	5.79E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
339	8.4549E-06	2.5273E-06	2.50E-04	6.33E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
340	8.4549E-06	2.8383E-06	2.50E-04	7.10E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
341	8.4549E-06	3.137E-06	2.50E-04	7.85E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
342	8.4549E-06	3.6472E-06	2.50E-04	9.13E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
343	8.4549E-06	4.0689E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
344	8.4549E-06	4.6733E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
345	8.4549E-06	5.3682E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
346	8.4549E-06	6.2353E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
347	8.4549E-06	6.9027E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.5E-03			
348	8.4549E-06	7.5962E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.1E-03			
349	8.4549E-06	7.3654E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.06E-10	1,000,000	4.06E-04	5.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	8.4549E-06	7.5359E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.15E-10	1,000,000	4.15E-04	6.0E-03			
351	8.4549E-06	7.6317E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.20E-10	1,000,000	4.20E-04	6.1E-03			
352	8.4549E-06	7.3657E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.06E-10	1,000,000	4.06E-04	5.9E-03			
353	8.4549E-06	7.6775E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.23E-10	1,000,000	4.23E-04	6.1E-03			
354	8.4549E-06	7.5089E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.13E-10	1,000,000	4.13E-04	6.0E-03			
355	8.4549E-06	7.527E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
356	8.4549E-06	7.51E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
357	8.4549E-06	7.2643E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
358	8.4549E-06	6.9597E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.5E-03			
359	8.4549E-06	1.8498E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
360	8.4549E-06	2.0316E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
361	8.4549E-06	2.2203E-06	2.50E-04	5.56E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
362	8.4549E-06	2.4354E-06	2.50E-04	6.10E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
363	8.4549E-06	2.6604E-06	2.50E-04	6.66E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
364	8.4549E-06	3.006E-06	2.50E-04	7.52E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
365	8.4549E-06	3.3973E-06	2.50E-04	8.50E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
366	8.4549E-06	3.8666E-06	2.50E-04	9.68E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
367	8.4549E-06	4.4583E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.6E-03			
368	8.4549E-06	4.9666E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	4.0E-03			
369	8.4549E-06	5.3485E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.3E-03			
370	8.4549E-06	5.5638E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.06E-10	1,000,000	3.06E-04	4.4E-03			
371	8.4549E-06	5.8445E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
372	8.4549E-06	5.964E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.8E-03			
373	8.4549E-06	5.8641E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
374	8.4549E-06	5.7163E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.15E-10	1,000,000	3.15E-04	4.6E-03			
375	8.4549E-06	5.8956E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.7E-03			
376	8.4549E-06	5.8385E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.7E-03			
377	8.4549E-06	5.885E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.24E-10	1,000,000	3.24E-04	4.7E-03			
378	8.4549E-06	6.1764E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.9E-03			
379	8.4549E-06	6.1393E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.38E-10	1,000,000	3.38E-04	4.9E-03			
380	8.4549E-06	5.8177E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
381	8.4549E-06	8.2E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.51E-10	1,000,000	4.51E-04	6.5E-03			
382	8.4549E-06	9.42E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	8.4549E-06	1.0915E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.01E-10	1,000,000	6.01E-04	8.7E-03			
384	8.4549E-06	1.2758E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.02E-10	1,000,000	7.02E-04	1.0E-02			
385	8.4549E-06	1.503E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.28E-10	1,000,000	8.28E-04	1.2E-02			
386	8.4549E-06	1.7794E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.80E-10	1,000,000	9.80E-04	1.4E-02			
387	8.4549E-06	2.1051E-05	2.50E-04	5.27E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
388	8.4549E-06	2.4688E-05	2.50E-04	6.18E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
389	8.4549E-06	2.8288E-05	2.50E-04	7.08E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
390	8.4549E-06	3.1128E-05	2.50E-04	7.79E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
391	8.4549E-06	3.2359E-05	2.50E-04	8.10E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
392	8.4549E-06	3.1551E-05	2.50E-04	7.90E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
393	8.4549E-06	2.8972E-05	2.50E-04	7.25E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
394	8.4549E-06	2.5477E-05	2.50E-04	6.38E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.0E-02			
395	8.4549E-06	2.1745E-05	2.50E-04	5.44E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
396	8.4549E-06	1.837E-05	2.50E-04	4.60E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
397	8.4549E-06	1.5513E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
398	8.4549E-06	1.3159E-05	2.50E-04	3.29E-09	14.00	1.57E-02	7.25E-10	1,000,000	7.25E-04	1.0E-02			
399	8.4549E-06	8.7152E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
400	8.4549E-06	1.0131E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.58E-10	1,000,000	5.58E-04	8.1E-03			
401	8.4549E-06	1.1921E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.56E-10	1,000,000	6.56E-04	9.5E-03			
402	8.4549E-06	1.4221E-05	2.50E-04	3.56E-09	14.00	1.57E-02	7.83E-10	1,000,000	7.83E-04	1.1E-02			
403	8.4549E-06	1.7197E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.47E-10	1,000,000	9.47E-04	1.4E-02			
404	8.4549E-06	2.1051E-05	2.50E-04	5.27E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
405	8.4549E-06	2.6006E-05	2.50E-04	6.51E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
406	8.4549E-06	3.2115E-05	2.50E-04	8.04E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
407	8.4549E-06	3.8868E-05	2.50E-04	9.73E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02			
408	8.4549E-06	4.4816E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.6E-02			
409	8.4549E-06	4.7578E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.62E-09	1,000,000	2.62E-03	3.8E-02			
410	8.4549E-06	4.5725E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.52E-09	1,000,000	2.52E-03	3.6E-02			
411	8.4549E-06	4.0375E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
412	8.4549E-06	3.3694E-05	2.50E-04	8.43E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
413	8.4549E-06	2.7314E-05	2.50E-04	6.84E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
414	8.4549E-06	2.2093E-05	2.50E-04	5.53E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
415	8.4549E-06	1.8012E-05	2.50E-04	4.51E-09	14.00	1.57E-02	9.92E-10	1,000,000	9.92E-04	1.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	8.4549E-06	1.4837E-05	2.50E-04	3.71E-09	14.00	1.57E-02	8.17E-10	1,000,000	8.17E-04	1.2E-02			
417	8.4549E-06	9.1632E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
418	8.4549E-06	1.0766E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.93E-10	1,000,000	5.93E-04	8.6E-03			
419	8.4549E-06	1.285E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.08E-10	1,000,000	7.08E-04	1.0E-02			
420	8.4549E-06	1.5631E-05	2.50E-04	3.91E-09	14.00	1.57E-02	8.61E-10	1,000,000	8.61E-04	1.2E-02			
421	8.4549E-06	1.9427E-05	2.50E-04	4.86E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
422	8.4549E-06	2.4717E-05	2.50E-04	6.19E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
423	8.4549E-06	3.2231E-05	2.50E-04	8.07E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
424	8.4549E-06	4.2812E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.36E-09	1,000,000	2.36E-03	3.4E-02			
425	8.4549E-06	5.6544E-05	2.50E-04	1.42E-08	14.00	1.57E-02	3.11E-09	1,000,000	3.11E-03	4.5E-02			
426	8.4549E-06	7.0754E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.90E-09	1,000,000	3.90E-03	5.6E-02			
427	8.4549E-06	7.7996E-05	2.50E-04	1.95E-08	14.00	1.57E-02	4.29E-09	1,000,000	4.29E-03	6.2E-02			
428	8.4549E-06	7.3367E-05	2.50E-04	1.84E-08	14.00	1.57E-02	4.04E-09	1,000,000	4.04E-03	5.8E-02			
429	8.4549E-06	6.0155E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.31E-09	1,000,000	3.31E-03	4.8E-02			
430	8.4549E-06	4.5874E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.53E-09	1,000,000	2.53E-03	3.7E-02			
431	8.4549E-06	3.459E-05	2.50E-04	8.66E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.8E-02			
432	8.4549E-06	2.6526E-05	2.50E-04	6.64E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
433	8.4549E-06	2.0908E-05	2.50E-04	5.23E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
434	8.4549E-06	1.6787E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.24E-10	1,000,000	9.24E-04	1.3E-02			
435	8.4549E-06	8.3824E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
436	8.4549E-06	1.0327E-05	2.50E-04	2.58E-09	14.00	1.57E-02	5.69E-10	1,000,000	5.69E-04	8.2E-03			
437	8.4549E-06	1.3499E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.43E-10	1,000,000	7.43E-04	1.1E-02			
438	8.4549E-06	1.6833E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.27E-10	1,000,000	9.27E-04	1.3E-02			
439	8.4549E-06	2.1423E-05	2.50E-04	5.36E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
440	8.4549E-06	2.83E-05	2.50E-04	7.08E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
441	8.4549E-06	3.917E-05	2.50E-04	9.80E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
442	8.4549E-06	5.7286E-05	2.50E-04	1.43E-08	14.00	1.57E-02	3.15E-09	1,000,000	3.15E-03	4.6E-02			
443	8.4549E-06	8.7809E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.83E-09	1,000,000	4.83E-03	7.0E-02			
444	8.4549E-06	0.00013003	2.50E-04	3.25E-08	14.00	1.57E-02	7.16E-09	1,000,000	7.16E-03	1.0E-01			
445	8.4549E-06	0.00015659	2.50E-04	3.92E-08	14.00	1.57E-02	8.62E-09	1,000,000	8.62E-03	1.2E-01			
446	8.4549E-06	0.00013974	2.50E-04	3.50E-08	14.00	1.57E-02	7.69E-09	1,000,000	7.69E-03	1.1E-01			
447	8.4549E-06	9.8135E-05	2.50E-04	2.46E-08	14.00	1.57E-02	5.40E-09	1,000,000	5.40E-03	7.8E-02			
448	8.4549E-06	6.4286E-05	2.50E-04	1.61E-08	14.00	1.57E-02	3.54E-09	1,000,000	3.54E-03	5.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	8.4549E-06	4.3998E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02			
450	8.4549E-06	3.1808E-05	2.50E-04	7.96E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
451	8.4549E-06	2.3937E-05	2.50E-04	5.99E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
452	8.4549E-06	1.8789E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
453	8.4549E-06	7.971E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.3E-03			
454	8.4549E-06	9.6984E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.34E-10	1,000,000	5.34E-04	7.7E-03			
455	8.4549E-06	1.2485E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
456	8.4549E-06	1.6667E-05	2.50E-04	4.17E-09	14.00	1.57E-02	9.18E-10	1,000,000	9.18E-04	1.3E-02			
457	8.4549E-06	2.2809E-05	2.50E-04	5.71E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
458	8.4549E-06	3.0956E-05	2.50E-04	7.75E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
459	8.4549E-06	4.5055E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.48E-09	1,000,000	2.48E-03	3.6E-02			
460	8.4549E-06	7.2953E-05	2.50E-04	1.83E-08	14.00	1.57E-02	4.02E-09	1,000,000	4.02E-03	5.8E-02			
461	8.4549E-06	0.00014045	2.50E-04	3.51E-08	14.00	1.57E-02	7.73E-09	1,000,000	7.73E-03	1.1E-01			
462	8.4549E-06	0.00032337	2.50E-04	8.09E-08	14.00	1.57E-02	1.78E-08	1,000,000	1.78E-02	2.6E-01			
463	8.4549E-06	0.00048885	2.50E-04	1.22E-07	14.00	1.57E-02	2.69E-08	1,000,000	2.69E-02	3.9E-01			
464	8.4549E-06	0.00038924	2.50E-04	9.74E-08	14.00	1.57E-02	2.14E-08	1,000,000	2.14E-02	3.1E-01			
465	8.4549E-06	0.00017982	2.50E-04	4.50E-08	14.00	1.57E-02	9.90E-09	1,000,000	9.90E-03	1.4E-01			
466	8.4549E-06	9.1261E-05	2.50E-04	2.28E-08	14.00	1.57E-02	5.02E-09	1,000,000	5.02E-03	7.3E-02			
467	8.4549E-06	5.5332E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
468	8.4549E-06	3.7446E-05	2.50E-04	9.37E-09	14.00	1.57E-02	2.06E-09	1,000,000	2.06E-03	3.0E-02			
469	8.4549E-06	2.7225E-05	2.50E-04	6.81E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
470	8.4549E-06	2.0814E-05	2.50E-04	5.21E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
471	8.4549E-06	7.2222E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.98E-10	1,000,000	3.98E-04	5.8E-03			
472	8.4549E-06	9.1702E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
473	8.4549E-06	1.1653E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.3E-03			
474	8.4549E-06	1.4908E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.2E-02			
475	8.4549E-06	1.9706E-05	2.50E-04	4.93E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
476	8.4549E-06	0.00011599	2.50E-04	2.90E-08	14.00	1.57E-02	6.39E-09	1,000,000	6.39E-03	9.2E-02			
477	8.4549E-06	6.4422E-05	2.50E-04	1.61E-08	14.00	1.57E-02	3.55E-09	1,000,000	3.55E-03	5.1E-02			
478	8.4549E-06	4.2061E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.32E-09	1,000,000	2.32E-03	3.4E-02			
479	8.4549E-06	2.987E-05	2.50E-04	7.48E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
480	8.4549E-06	2.2446E-05	2.50E-04	5.62E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
481	8.4549E-06	6.5256E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	8.4549E-06	8.2728E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.56E-10	1,000,000	4.56E-04	6.6E-03			
483	8.4549E-06	1.0211E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.62E-10	1,000,000	5.62E-04	8.1E-03			
484	8.4549E-06	1.3157E-05	2.50E-04	3.29E-09	14.00	1.57E-02	7.24E-10	1,000,000	7.24E-04	1.0E-02			
485	8.4549E-06	1.8314E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
486	8.4549E-06	0.00010359	2.50E-04	2.59E-08	14.00	1.57E-02	5.70E-09	1,000,000	5.70E-03	8.3E-02			
487	8.4549E-06	6.3062E-05	2.50E-04	1.58E-08	14.00	1.57E-02	3.47E-09	1,000,000	3.47E-03	5.0E-02			
488	8.4549E-06	4.2267E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.33E-09	1,000,000	2.33E-03	3.4E-02			
489	8.4549E-06	3.0431E-05	2.50E-04	7.62E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			
490	8.4549E-06	2.3018E-05	2.50E-04	5.76E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
491	8.4549E-06	5.7743E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
492	8.4549E-06	7.1068E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
493	8.4549E-06	8.6689E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
494	8.4549E-06	1.1134E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.13E-10	1,000,000	6.13E-04	8.9E-03			
495	8.4549E-06	1.5093E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.31E-10	1,000,000	8.31E-04	1.2E-02			
496	8.4549E-06	4.8402E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.67E-09	1,000,000	2.67E-03	3.9E-02			
497	8.4549E-06	7.0553E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.88E-09	1,000,000	3.88E-03	5.6E-02			
498	8.4549E-06	0.00010237	2.50E-04	2.56E-08	14.00	1.57E-02	5.64E-09	1,000,000	5.64E-03	8.2E-02			
499	8.4549E-06	7.272E-05	2.50E-04	1.82E-08	14.00	1.57E-02	4.00E-09	1,000,000	4.00E-03	5.8E-02			
500	8.4549E-06	5.1553E-05	2.50E-04	1.29E-08	14.00	1.57E-02	2.84E-09	1,000,000	2.84E-03	4.1E-02			
501	8.4549E-06	3.7611E-05	2.50E-04	9.41E-09	14.00	1.57E-02	2.07E-09	1,000,000	2.07E-03	3.0E-02			
502	8.4549E-06	2.8379E-05	2.50E-04	7.10E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
503	8.4549E-06	2.2095E-05	2.50E-04	5.53E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
504	8.4549E-06	5.1135E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
505	8.4549E-06	6.0091E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
506	8.4549E-06	7.5612E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.0E-03			
507	8.4549E-06	9.2136E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
508	8.4549E-06	1.2361E-05	2.50E-04	3.09E-09	14.00	1.57E-02	6.81E-10	1,000,000	6.81E-04	9.8E-03			
509	8.4549E-06	1.6311E-05	2.50E-04	4.08E-09	14.00	1.57E-02	8.98E-10	1,000,000	8.98E-04	1.3E-02			
510	8.4549E-06	2.2223E-05	2.50E-04	5.56E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
511	8.4549E-06	3.1402E-05	2.50E-04	7.86E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
512	8.4549E-06	4.4146E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.43E-09	1,000,000	2.43E-03	3.5E-02			
513	8.4549E-06	5.7453E-05	2.50E-04	1.44E-08	14.00	1.57E-02	3.16E-09	1,000,000	3.16E-03	4.6E-02			
514	8.4549E-06	7.0701E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.89E-09	1,000,000	3.89E-03	5.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	8.4549E-06	7.089E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.90E-09	1,000,000	3.90E-03	5.6E-02			
516	8.4549E-06	6.1075E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.36E-09	1,000,000	3.36E-03	4.9E-02			
517	8.4549E-06	4.9401E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.72E-09	1,000,000	2.72E-03	3.9E-02			
518	8.4549E-06	3.9075E-05	2.50E-04	9.78E-09	14.00	1.57E-02	2.15E-09	1,000,000	2.15E-03	3.1E-02			
519	8.4549E-06	3.0917E-05	2.50E-04	7.74E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
520	8.4549E-06	2.4701E-05	2.50E-04	6.18E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
521	8.4549E-06	2.0014E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
522	8.4549E-06	4.4746E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
523	8.4549E-06	5.3387E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.3E-03			
524	8.4549E-06	6.4309E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
525	8.4549E-06	7.7919E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.29E-10	1,000,000	4.29E-04	6.2E-03			
526	8.4549E-06	9.3361E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
527	8.4549E-06	1.259E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
528	8.4549E-06	1.6294E-05	2.50E-04	4.08E-09	14.00	1.57E-02	8.97E-10	1,000,000	8.97E-04	1.3E-02			
529	8.4549E-06	2.1382E-05	2.50E-04	5.35E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
530	8.4549E-06	2.8327E-05	2.50E-04	7.09E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
531	8.4549E-06	3.4652E-05	2.50E-04	8.67E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
532	8.4549E-06	3.9508E-05	2.50E-04	9.89E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.1E-02			
533	8.4549E-06	4.4082E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.43E-09	1,000,000	2.43E-03	3.5E-02			
534	8.4549E-06	3.7931E-05	2.50E-04	9.49E-09	14.00	1.57E-02	2.09E-09	1,000,000	2.09E-03	3.0E-02			
535	8.4549E-06	3.469E-05	2.50E-04	8.68E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
536	8.4549E-06	2.9567E-05	2.50E-04	7.40E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.4E-02			
537	8.4549E-06	2.4782E-05	2.50E-04	6.20E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
538	8.4549E-06	2.0751E-05	2.50E-04	5.19E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
539	8.4549E-06	1.7472E-05	2.50E-04	4.37E-09	14.00	1.57E-02	9.62E-10	1,000,000	9.62E-04	1.4E-02			
540	8.4549E-06	3.9234E-06	2.50E-04	9.82E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			
541	8.4549E-06	4.6022E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
542	8.4549E-06	5.4274E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
543	8.4549E-06	6.4627E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.56E-10	1,000,000	3.56E-04	5.1E-03			
544	8.4549E-06	7.972E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.3E-03			
545	8.4549E-06	9.6029E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.6E-03			
546	8.4549E-06	1.2037E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.63E-10	1,000,000	6.63E-04	9.6E-03			
547	8.4549E-06	1.4839E-05	2.50E-04	3.71E-09	14.00	1.57E-02	8.17E-10	1,000,000	8.17E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	8.4549E-06	1.88E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
549	8.4549E-06	2.2565E-05	2.50E-04	5.65E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
550	8.4549E-06	2.5911E-05	2.50E-04	6.48E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
551	8.4549E-06	3.106E-05	2.50E-04	7.77E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
552	8.4549E-06	2.5233E-05	2.50E-04	6.32E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
553	8.4549E-06	2.3038E-05	2.50E-04	5.77E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
554	8.4549E-06	2.1026E-05	2.50E-04	5.26E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
555	8.4549E-06	1.9995E-05	2.50E-04	5.00E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
556	8.4549E-06	1.7314E-05	2.50E-04	4.33E-09	14.00	1.57E-02	9.53E-10	1,000,000	9.53E-04	1.4E-02			
557	8.4549E-06	1.5006E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.26E-10	1,000,000	8.26E-04	1.2E-02			
558	8.4549E-06	3.4487E-06	2.50E-04	8.63E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
559	8.4549E-06	3.9909E-06	2.50E-04	9.99E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
560	8.4549E-06	4.5338E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
561	8.4549E-06	5.3302E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
562	8.4549E-06	6.1795E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.9E-03			
563	8.4549E-06	7.3464E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.04E-10	1,000,000	4.04E-04	5.9E-03			
564	8.4549E-06	9.0805E-06	2.50E-04	2.27E-09	14.00	1.57E-02	5.00E-10	1,000,000	5.00E-04	7.2E-03			
565	8.4549E-06	1.0753E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.6E-03			
566	8.4549E-06	1.321E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.27E-10	1,000,000	7.27E-04	1.1E-02			
567	8.4549E-06	1.5431E-05	2.50E-04	3.86E-09	14.00	1.57E-02	8.50E-10	1,000,000	8.50E-04	1.2E-02			
568	8.4549E-06	1.7923E-05	2.50E-04	4.49E-09	14.00	1.57E-02	9.87E-10	1,000,000	9.87E-04	1.4E-02			
569	8.4549E-06	1.7161E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.45E-10	1,000,000	9.45E-04	1.4E-02			
570	8.4549E-06	1.6348E-05	2.50E-04	4.09E-09	14.00	1.57E-02	9.00E-10	1,000,000	9.00E-04	1.3E-02			
571	8.4549E-06	1.6266E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.96E-10	1,000,000	8.96E-04	1.3E-02			
572	8.4549E-06	1.6029E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.83E-10	1,000,000	8.83E-04	1.3E-02			
573	8.4549E-06	1.4955E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.23E-10	1,000,000	8.23E-04	1.2E-02			
574	8.4549E-06	1.3964E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.69E-10	1,000,000	7.69E-04	1.1E-02			
575	8.4549E-06	1.3025E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.17E-10	1,000,000	7.17E-04	1.0E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.17E-06		2.614E-04	167 Res
2	5	1.29E-06			
3	5	1.44E-06			
4	5	1.60E-06			
5	5	1.79E-06			
6	5	2.01E-06			
7	5	2.24E-06			
8	5	2.48E-06			
9	5	2.73E-06			
10	5	2.95E-06			
11	5	3.12E-06			
12	5	3.22E-06			
13	5	3.23E-06			
14	5	3.14E-06			
15	5	2.98E-06			
16	5	2.76E-06			
17	5	2.52E-06			
18	5	2.27E-06			
19	5	2.04E-06			
20	5	1.82E-06			
21	5	1.63E-06			
22	5	1.46E-06			
23	5	1.24E-06			
24	5	1.39E-06			
25	5	1.56E-06			
26	5	1.77E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.01E-06			
28	5	2.28E-06			
29	5	2.60E-06			
30	5	2.95E-06			
31	5	3.31E-06			
32	5	3.65E-06			
33	5	3.93E-06			
34	5	4.10E-06			
35	5	4.12E-06			
36	5	3.98E-06			
37	5	3.70E-06			
38	5	3.36E-06			
39	5	3.01E-06			
40	5	2.65E-06			
41	5	2.33E-06			
42	5	2.04E-06			
43	5	1.80E-06			
44	5	1.60E-06			
45	5	1.32E-06			
46	5	1.49E-06			
47	5	1.69E-06			
48	5	1.94E-06			
49	5	2.24E-06			
50	5	2.60E-06			
51	5	3.03E-06			
52	5	3.53E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	4.09E-06			
54	5	4.65E-06			
55	5	5.14E-06			
56	5	5.44E-06			
57	5	5.47E-06			
58	5	5.23E-06			
59	5	4.75E-06			
60	5	4.19E-06			
61	5	3.63E-06			
62	5	3.11E-06			
63	5	2.67E-06			
64	5	2.30E-06			
65	5	2.00E-06			
66	5	1.74E-06			
67	5	1.39E-06			
68	5	1.58E-06			
69	5	1.82E-06			
70	5	2.11E-06			
71	5	2.48E-06			
72	5	2.94E-06			
73	5	3.53E-06			
74	5	4.26E-06			
75	5	5.13E-06			
76	5	6.11E-06			
77	5	7.04E-06			
78	5	7.67E-06			
79	5	7.73E-06			
80	5	7.21E-06			
81	5	6.32E-06			
82	5	5.35E-06			
83	5	4.43E-06			
84	5	3.68E-06			
85	5	3.05E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	2.58E-06			
87	5	2.20E-06			
88	5	1.90E-06			
89	5	1.45E-06			
90	5	1.66E-06			
91	5	1.93E-06			
92	5	2.27E-06			
93	5	2.72E-06			
94	5	3.30E-06			
95	5	4.08E-06			
96	5	5.14E-06			
97	5	6.55E-06			
98	5	8.34E-06			
99	5	1.03E-05			
100	5	1.17E-05			
101	5	1.19E-05			
102	5	1.07E-05			
103	5	8.79E-06			
104	5	6.94E-06			
105	5	5.45E-06			
106	5	4.33E-06			
107	5	3.50E-06			
108	5	2.88E-06			
109	5	2.41E-06			
110	5	2.06E-06			
111	5	1.37E-06			
112	5	1.70E-06			
113	5	1.91E-06			
114	5	2.28E-06			
115	5	2.93E-06			
116	5	3.64E-06			
117	5	4.65E-06			
118	5	6.13E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	8.38E-06			
120	5	1.18E-05			
121	5	1.64E-05			
122	5	2.05E-05			
123	5	2.10E-05			
124	5	1.75E-05			
125	5	1.29E-05			
126	5	9.16E-06			
127	5	6.71E-06			
128	5	5.09E-06			
129	5	3.98E-06			
130	5	3.20E-06			
131	5	2.64E-06			
132	5	2.22E-06			
133	5	1.28E-06			
134	5	1.51E-06			
135	5	1.80E-06			
136	5	2.26E-06			
137	5	3.09E-06			
138	5	3.90E-06			
139	5	5.12E-06			
140	5	7.04E-06			
141	5	1.04E-05			
142	5	1.69E-05			
143	5	2.98E-05			
144	5	4.67E-05			
145	5	4.94E-05			
146	5	3.43E-05			
147	5	1.98E-05			
148	5	1.22E-05			
149	5	8.22E-06			
150	5	5.92E-06			
151	5	4.48E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	3.53E-06			
153	5	2.87E-06			
154	5	2.38E-06			
155	5	1.13E-06			
156	5	1.36E-06			
157	5	1.72E-06			
158	5	2.09E-06			
159	5	2.70E-06			
160	5	3.56E-06			
161	5	4.95E-06			
162	5	7.60E-06			
163	5	1.18E-05			
164	5	2.19E-05			
165	5	6.07E-05			
166	5	2.38E-04			
167	5	2.61E-04			
168	5	9.77E-05			
169	5	3.09E-05			
170	5	1.57E-05			
171	5	9.72E-06			
172	5	6.73E-06			
173	5	4.96E-06			
174	5	3.84E-06			
175	5	3.08E-06			
176	5	2.53E-06			
177	5	1.05E-06			
178	5	1.27E-06			
179	5	1.61E-06			
180	5	2.05E-06			
181	5	2.60E-06			
182	5	3.35E-06			
183	5	4.57E-06			
184	5	3.32E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	1.69E-05			
186	5	1.05E-05			
187	5	7.16E-06			
188	5	5.25E-06			
189	5	4.04E-06			
190	5	3.22E-06			
191	5	2.64E-06			
192	5	9.44E-07			
193	5	1.12E-06			
194	5	1.40E-06			
195	5	1.75E-06			
196	5	2.28E-06			
197	5	2.91E-06			
198	5	4.00E-06			
199	5	1.45E-05			
200	5	2.21E-05			
201	5	1.42E-05			
202	5	9.60E-06			
203	5	6.89E-06			
204	5	5.17E-06			
205	5	4.03E-06			
206	5	3.24E-06			
207	5	2.66E-06			
208	5	8.53E-07			
209	5	1.01E-06			
210	5	1.17E-06			
211	5	1.46E-06			
212	5	1.81E-06			
213	5	2.36E-06			
214	5	3.23E-06			
215	5	4.42E-06			
216	5	6.64E-06			
217	5	9.51E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.74E-05			
219	5	1.37E-05			
220	5	1.04E-05			
221	5	7.85E-06			
222	5	6.03E-06			
223	5	4.74E-06			
224	5	3.80E-06			
225	5	3.11E-06			
226	5	2.59E-06			
227	5	7.65E-07			
228	5	8.86E-07			
229	5	1.04E-06			
230	5	1.25E-06			
231	5	1.52E-06			
232	5	1.86E-06			
233	5	2.49E-06			
234	5	3.29E-06			
235	5	4.48E-06			
236	5	6.13E-06			
237	5	7.93E-06			
238	5	9.65E-06			
239	5	1.07E-05			
240	5	1.04E-05			
241	5	9.06E-06			
242	5	7.44E-06			
243	5	6.12E-06			
244	5	5.01E-06			
245	5	4.12E-06			
246	5	3.42E-06			
247	5	2.88E-06			
248	5	2.44E-06			
249	5	6.89E-07			
250	5	7.85E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	9.03E-07			
252	5	1.07E-06			
253	5	1.28E-06			
254	5	1.59E-06			
255	5	1.95E-06			
256	5	2.56E-06			
257	5	3.18E-06			
258	5	3.95E-06			
259	5	5.05E-06			
260	5	6.02E-06			
261	5	6.60E-06			
262	5	6.40E-06			
263	5	5.84E-06			
264	5	5.28E-06			
265	5	4.81E-06			
266	5	4.10E-06			
267	5	3.50E-06			
268	5	3.00E-06			
269	5	2.59E-06			
270	5	2.24E-06			
271	5	6.09E-07			
272	5	6.85E-07			
273	5	7.86E-07			
274	5	9.08E-07			
275	5	1.06E-06			
276	5	1.28E-06			
277	5	1.55E-06			
278	5	1.86E-06			
279	5	2.28E-06			
280	5	2.78E-06			
281	5	3.41E-06			
282	5	4.07E-06			
283	5	4.37E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	4.03E-06			
285	5	3.98E-06			
286	5	3.74E-06			
287	5	3.49E-06			
288	5	3.27E-06			
289	5	2.99E-06			
290	5	2.60E-06			
291	5	2.29E-06			
292	5	2.03E-06			
293	5	5.41E-07			
294	5	6.06E-07			
295	5	6.83E-07			
296	5	7.71E-07			
297	5	8.97E-07			
298	5	1.05E-06			
299	5	1.23E-06			
300	5	1.49E-06			
301	5	1.71E-06			
302	5	2.06E-06			
303	5	2.42E-06			
304	5	2.83E-06			
305	5	3.00E-06			
306	5	2.86E-06			
307	5	2.78E-06			
308	5	2.64E-06			
309	5	2.75E-06			
310	5	2.56E-06			
311	5	2.41E-06			
312	5	2.28E-06			
313	5	2.08E-06			
314	5	1.91E-06			
315	5	4.72E-07			
316	5	5.26E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	5.87E-07			
318	5	6.56E-07			
319	5	7.32E-07			
320	5	8.70E-07			
321	5	9.90E-07			
322	5	1.15E-06			
323	5	1.36E-06			
324	5	1.57E-06			
325	5	1.80E-06			
326	5	2.05E-06			
327	5	2.55E-06			
328	5	2.08E-06			
329	5	2.03E-06			
330	5	2.02E-06			
331	5	2.01E-06			
332	5	1.99E-06			
333	5	1.89E-06			
334	5	1.86E-06			
335	5	1.77E-06			
336	5	1.66E-06			
337	5	4.21E-07			
338	5	4.63E-07			
339	5	5.05E-07			
340	5	5.68E-07			
341	5	6.27E-07			
342	5	7.29E-07			
343	5	8.14E-07			
344	5	9.35E-07			
345	5	1.07E-06			
346	5	1.25E-06			
347	5	1.38E-06			
348	5	1.52E-06			
349	5	1.47E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	1.51E-06			
351	5	1.53E-06			
352	5	1.47E-06			
353	5	1.54E-06			
354	5	1.50E-06			
355	5	1.51E-06			
356	5	1.50E-06			
357	5	1.45E-06			
358	5	1.39E-06			
359	5	3.70E-07			
360	5	4.06E-07			
361	5	4.44E-07			
362	5	4.87E-07			
363	5	5.32E-07			
364	5	6.01E-07			
365	5	6.79E-07			
366	5	7.73E-07			
367	5	8.92E-07			
368	5	9.93E-07			
369	5	1.07E-06			
370	5	1.11E-06			
371	5	1.17E-06			
372	5	1.19E-06			
373	5	1.17E-06			
374	5	1.14E-06			
375	5	1.18E-06			
376	5	1.17E-06			
377	5	1.18E-06			
378	5	1.24E-06			
379	5	1.23E-06			
380	5	1.16E-06			
381	5	1.64E-06			
382	5	1.88E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	2.18E-06			
384	5	2.55E-06			
385	5	3.01E-06			
386	5	3.56E-06			
387	5	4.21E-06			
388	5	4.94E-06			
389	5	5.66E-06			
390	5	6.23E-06			
391	5	6.47E-06			
392	5	6.31E-06			
393	5	5.79E-06			
394	5	5.10E-06			
395	5	4.35E-06			
396	5	3.67E-06			
397	5	3.10E-06			
398	5	2.63E-06			
399	5	1.74E-06			
400	5	2.03E-06			
401	5	2.38E-06			
402	5	2.84E-06			
403	5	3.44E-06			
404	5	4.21E-06			
405	5	5.20E-06			
406	5	6.42E-06			
407	5	7.77E-06			
408	5	8.96E-06			
409	5	9.52E-06			
410	5	9.14E-06			
411	5	8.08E-06			
412	5	6.74E-06			
413	5	5.46E-06			
414	5	4.42E-06			
415	5	3.60E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	2.97E-06			
417	5	1.83E-06			
418	5	2.15E-06			
419	5	2.57E-06			
420	5	3.13E-06			
421	5	3.89E-06			
422	5	4.94E-06			
423	5	6.45E-06			
424	5	8.56E-06			
425	5	1.13E-05			
426	5	1.42E-05			
427	5	1.56E-05			
428	5	1.47E-05			
429	5	1.20E-05			
430	5	9.17E-06			
431	5	6.92E-06			
432	5	5.31E-06			
433	5	4.18E-06			
434	5	3.36E-06			
435	5	1.68E-06			
436	5	2.07E-06			
437	5	2.70E-06			
438	5	3.37E-06			
439	5	4.28E-06			
440	5	5.66E-06			
441	5	7.83E-06			
442	5	1.15E-05			
443	5	1.76E-05			
444	5	2.60E-05			
445	5	3.13E-05			
446	5	2.79E-05			
447	5	1.96E-05			
448	5	1.29E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	8.80E-06			
450	5	6.36E-06			
451	5	4.79E-06			
452	5	3.76E-06			
453	5	1.59E-06			
454	5	1.94E-06			
455	5	2.50E-06			
456	5	3.33E-06			
457	5	4.56E-06			
458	5	6.19E-06			
459	5	9.01E-06			
460	5	1.46E-05			
461	5	2.81E-05			
462	5	6.47E-05			
463	5	9.78E-05			
464	5	7.78E-05			
465	5	3.60E-05			
466	5	1.83E-05			
467	5	1.11E-05			
468	5	7.49E-06			
469	5	5.45E-06			
470	5	4.16E-06			
471	5	1.44E-06			
472	5	1.83E-06			
473	5	2.33E-06			
474	5	2.98E-06			
475	5	3.94E-06			
476	5	2.32E-05			
477	5	1.29E-05			
478	5	8.41E-06			
479	5	5.97E-06			
480	5	4.49E-06			
481	5	1.31E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	1.65E-06			
483	5	2.04E-06			
484	5	2.63E-06			
485	5	3.66E-06			
486	5	2.07E-05			
487	5	1.26E-05			
488	5	8.45E-06			
489	5	6.09E-06			
490	5	4.60E-06			
491	5	1.15E-06			
492	5	1.42E-06			
493	5	1.73E-06			
494	5	2.23E-06			
495	5	3.02E-06			
496	5	9.68E-06			
497	5	1.41E-05			
498	5	2.05E-05			
499	5	1.45E-05			
500	5	1.03E-05			
501	5	7.52E-06			
502	5	5.68E-06			
503	5	4.42E-06			
504	5	1.02E-06			
505	5	1.20E-06			
506	5	1.51E-06			
507	5	1.84E-06			
508	5	2.47E-06			
509	5	3.26E-06			
510	5	4.44E-06			
511	5	6.28E-06			
512	5	8.83E-06			
513	5	1.15E-05			
514	5	1.41E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	1.42E-05			
516	5	1.22E-05			
517	5	9.88E-06			
518	5	7.82E-06			
519	5	6.18E-06			
520	5	4.94E-06			
521	5	4.00E-06			
522	5	8.95E-07			
523	5	1.07E-06			
524	5	1.29E-06			
525	5	1.56E-06			
526	5	1.87E-06			
527	5	2.52E-06			
528	5	3.26E-06			
529	5	4.28E-06			
530	5	5.67E-06			
531	5	6.93E-06			
532	5	7.90E-06			
533	5	8.82E-06			
534	5	7.59E-06			
535	5	6.94E-06			
536	5	5.91E-06			
537	5	4.96E-06			
538	5	4.15E-06			
539	5	3.49E-06			
540	5	7.85E-07			
541	5	9.20E-07			
542	5	1.09E-06			
543	5	1.29E-06			
544	5	1.59E-06			
545	5	1.92E-06			
546	5	2.41E-06			
547	5	2.97E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE4

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	3.76E-06			
549	5	4.51E-06			
550	5	5.18E-06			
551	5	6.21E-06			
552	5	5.05E-06			
553	5	4.61E-06			
554	5	4.21E-06			
555	5	4.00E-06			
556	5	3.46E-06			
557	5	3.00E-06			
558	5	6.90E-07			
559	5	7.98E-07			
560	5	9.07E-07			
561	5	1.07E-06			
562	5	1.24E-06			
563	5	1.47E-06			
564	5	1.82E-06			
565	5	2.15E-06			
566	5	2.64E-06			
567	5	3.09E-06			
568	5	3.58E-06			
569	5	3.43E-06			
570	5	3.27E-06			
571	5	3.25E-06			
572	5	3.21E-06			
573	5	2.99E-06			
574	5	2.79E-06			
575	5	2.60E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.66419	**8.4549E-06**	5.6156E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.64E-11	1,000,000	7.64E-05
2	0.73406	8.4549E-06	6.2064E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05
3	0.81374	8.4549E-06	6.8801E-06	3.46E-04	2.38E-09	0.25	1.57E-01	9.36E-11	1,000,000	9.36E-05
4	0.90404	8.4549E-06	7.6435E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
5	1.00599	8.4549E-06	8.5055E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
6	1.11947	8.4549E-06	9.465E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
7	1.242	8.4549E-06	1.0501E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
8	1.37028	8.4549E-06	1.1586E-05	3.46E-04	4.01E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
9	1.49849	8.4549E-06	1.267E-05	3.46E-04	4.39E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
10	1.61511	8.4549E-06	1.3656E-05	3.46E-04	4.73E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
11	1.70766	8.4549E-06	1.4438E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
12	1.76423	8.4549E-06	1.4916E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
13	1.77569	8.4549E-06	1.5013E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
14	1.73972	8.4549E-06	1.4709E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
15	1.66217	8.4549E-06	1.4053E-05	3.46E-04	4.86E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
16	1.55278	8.4549E-06	1.3129E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
17	1.42953	8.4549E-06	1.2087E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
18	1.30022	8.4549E-06	1.0993E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
19	1.17252	8.4549E-06	9.9135E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
20	1.05576	8.4549E-06	8.9263E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
21	0.94907	8.4549E-06	8.0243E-06	3.46E-04	2.78E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	0.85263	8.4549E-06	7.2089E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.80E-11	1,000,000	9.80E-05
23	0.70811	8.4549E-06	5.987E-06	3.46E-04	2.07E-09	0.25	1.57E-01	8.14E-11	1,000,000	8.14E-05
24	0.78953	8.4549E-06	6.6754E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.08E-11	1,000,000	9.08E-05
25	0.88429	8.4549E-06	7.4766E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
26	0.99458	8.4549E-06	8.4091E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
27	1.1223	8.4549E-06	9.4889E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
28	1.26967	8.4549E-06	1.0735E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
29	1.4346	8.4549E-06	1.2129E-05	3.46E-04	4.20E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
30	1.61584	8.4549E-06	1.3662E-05	3.46E-04	4.73E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
31	1.80277	8.4549E-06	1.5242E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
32	1.98064	8.4549E-06	1.6746E-05	3.46E-04	5.80E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
33	2.1263	8.4549E-06	1.7978E-05	3.46E-04	6.22E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
34	2.22042	8.4549E-06	1.8773E-05	3.46E-04	6.50E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
35	2.242	8.4549E-06	1.8956E-05	3.46E-04	6.56E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
36	2.18641	8.4549E-06	1.8486E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04
37	2.05614	8.4549E-06	1.7384E-05	3.46E-04	6.02E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
38	1.8879	8.4549E-06	1.5962E-05	3.46E-04	5.53E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
39	1.70543	8.4549E-06	1.4419E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
40	1.52007	8.4549E-06	1.2852E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
41	1.34477	8.4549E-06	1.137E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
42	1.18736	8.4549E-06	1.0039E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
43	1.0493	8.4549E-06	8.8717E-06	3.46E-04	3.07E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
44	0.93535	8.4549E-06	7.9083E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
45	0.75138	8.4549E-06	6.3528E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.64E-11	1,000,000	8.64E-05
46	0.84534	8.4549E-06	7.1472E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.72E-11	1,000,000	9.72E-05
47	0.9571	8.4549E-06	8.0922E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	1.09061	8.4549E-06	9.221E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
49	1.25018	8.4549E-06	1.057E-05	3.46E-04	3.66E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
50	1.44038	8.4549E-06	1.2178E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
51	1.66452	8.4549E-06	1.4073E-05	3.46E-04	4.87E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
52	1.92189	8.4549E-06	1.6249E-05	3.46E-04	5.62E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
53	2.20475	8.4549E-06	1.8641E-05	3.46E-04	6.45E-09	0.25	1.57E-01	2.54E-10	1,000,000	2.54E-04
54	2.48776	8.4549E-06	2.1034E-05	3.46E-04	7.28E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
55	2.73445	8.4549E-06	2.3119E-05	3.46E-04	8.00E-09	0.25	1.57E-01	3.14E-10	1,000,000	3.14E-04
56	2.89733	8.4549E-06	2.4497E-05	3.46E-04	8.48E-09	0.25	1.57E-01	3.33E-10	1,000,000	3.33E-04
57	2.93426	8.4549E-06	2.4809E-05	3.46E-04	8.59E-09	0.25	1.57E-01	3.37E-10	1,000,000	3.37E-04
58	2.84214	8.4549E-06	2.403E-05	3.46E-04	8.32E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
59	2.62052	8.4549E-06	2.2156E-05	3.46E-04	7.67E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
60	2.34476	8.4549E-06	1.9825E-05	3.46E-04	6.86E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
61	2.06139	8.4549E-06	1.7429E-05	3.46E-04	6.03E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
62	1.78824	8.4549E-06	1.5119E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
63	1.54613	8.4549E-06	1.3072E-05	3.46E-04	4.53E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
64	1.33982	8.4549E-06	1.1328E-05	3.46E-04	3.92E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
65	1.16757	8.4549E-06	9.8717E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
66	1.0239	8.4549E-06	8.6569E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
67	0.79211	8.4549E-06	6.6972E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.11E-11	1,000,000	9.11E-05
68	0.89904	8.4549E-06	7.6013E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
69	1.02883	8.4549E-06	8.6986E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
70	1.18823	8.4549E-06	1.0046E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
71	1.38523	8.4549E-06	1.1712E-05	3.46E-04	4.05E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
72	1.62993	8.4549E-06	1.3781E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
73	1.93331	8.4549E-06	1.6346E-05	3.46E-04	5.66E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
74	2.30309	8.4549E-06	1.9472E-05	3.46E-04	6.74E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
75	2.73893	8.4549E-06	2.3157E-05	3.46E-04	8.02E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
76	3.21559	8.4549E-06	2.7187E-05	3.46E-04	9.41E-09	0.25	1.57E-01	3.70E-10	1,000,000	3.70E-04
77	3.66635	8.4549E-06	3.0999E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
78	3.98663	8.4549E-06	3.3706E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.58E-10	1,000,000	4.58E-04
79	4.05628	8.4549E-06	3.4295E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.66E-10	1,000,000	4.66E-04
80	3.85946	8.4549E-06	3.2631E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.44E-10	1,000,000	4.44E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	3.46262	8.4549E-06	2.9276E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
82	2.99285	8.4549E-06	2.5304E-05	3.46E-04	8.76E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
83	2.5243	8.4549E-06	2.1343E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
84	2.11905	8.4549E-06	1.7916E-05	3.46E-04	6.20E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
85	1.77293	8.4549E-06	1.499E-05	3.46E-04	5.19E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
86	1.50887	8.4549E-06	1.2757E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
87	1.29117	8.4549E-06	1.0917E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
88	1.11727	8.4549E-06	9.4464E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
89	0.82231	8.4549E-06	6.9525E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.45E-11	1,000,000	9.45E-05
90	0.94806	8.4549E-06	8.0157E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
91	1.09585	8.4549E-06	9.2653E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
92	1.28176	8.4549E-06	1.0837E-05	3.46E-04	3.75E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
93	1.51957	8.4549E-06	1.2848E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
94	1.82908	8.4549E-06	1.5465E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
95	2.23405	8.4549E-06	1.8889E-05	3.46E-04	6.54E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
96	2.76595	8.4549E-06	2.3386E-05	3.46E-04	8.10E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
97	3.45489	8.4549E-06	2.9211E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.97E-10	1,000,000	3.97E-04
98	4.29434	8.4549E-06	3.6308E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.94E-10	1,000,000	4.94E-04
99	5.17906	8.4549E-06	4.3788E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.95E-10	1,000,000	5.95E-04
100	5.86248	8.4549E-06	4.9567E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.74E-10	1,000,000	6.74E-04
101	6.03115	8.4549E-06	5.0993E-05	3.46E-04	1.77E-08	0.25	1.57E-01	6.93E-10	1,000,000	6.93E-04
102	5.59664	8.4549E-06	4.7319E-05	3.46E-04	1.64E-08	0.25	1.57E-01	6.44E-10	1,000,000	6.44E-04
103	4.78557	8.4549E-06	4.0461E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.50E-10	1,000,000	5.50E-04
104	3.89322	8.4549E-06	3.2917E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.48E-10	1,000,000	4.48E-04
105	3.12532	8.4549E-06	2.6424E-05	3.46E-04	9.15E-09	0.25	1.57E-01	3.59E-10	1,000,000	3.59E-04
106	2.51431	8.4549E-06	2.1258E-05	3.46E-04	7.36E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
107	2.04635	8.4549E-06	1.7302E-05	3.46E-04	5.99E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
108	1.69329	8.4549E-06	1.4317E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
109	1.42255	8.4549E-06	1.2027E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
110	1.21486	8.4549E-06	1.0271E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
111	0.78137	8.4549E-06	6.6064E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
112	0.95253	8.4549E-06	8.0535E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
113	1.09742	8.4549E-06	9.2786E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	1.30225	8.4549E-06	1.101E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
115	1.64381	8.4549E-06	1.3898E-05	3.46E-04	4.81E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
116	2.02206	8.4549E-06	1.7096E-05	3.46E-04	5.92E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
117	2.54658	8.4549E-06	2.1531E-05	3.46E-04	7.45E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
118	3.29486	8.4549E-06	2.7858E-05	3.46E-04	9.64E-09	0.25	1.57E-01	3.79E-10	1,000,000	3.79E-04
119	4.38143	8.4549E-06	3.7044E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.04E-10	1,000,000	5.04E-04
120	5.92945	8.4549E-06	5.0133E-05	3.46E-04	1.74E-08	0.25	1.57E-01	6.82E-10	1,000,000	6.82E-04
121	7.89724	8.4549E-06	6.677E-05	3.46E-04	2.31E-08	0.25	1.57E-01	9.08E-10	1,000,000	9.08E-04
122	9.64978	8.4549E-06	8.1588E-05	3.46E-04	2.82E-08	0.25	1.57E-01	1.11E-09	1,000,000	1.11E-03
123	10.1287	8.4549E-06	8.5637E-05	3.46E-04	2.96E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
124	8.96079	8.4549E-06	7.5762E-05	3.46E-04	2.62E-08	0.25	1.57E-01	1.03E-09	1,000,000	1.03E-03
125	6.99817	8.4549E-06	5.9169E-05	3.46E-04	2.05E-08	0.25	1.57E-01	8.05E-10	1,000,000	8.05E-04
126	5.19329	8.4549E-06	4.3909E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.97E-10	1,000,000	5.97E-04
127	3.88541	8.4549E-06	3.2851E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.47E-10	1,000,000	4.47E-04
128	2.97864	8.4549E-06	2.5184E-05	3.46E-04	8.72E-09	0.25	1.57E-01	3.42E-10	1,000,000	3.42E-04
129	2.3423	8.4549E-06	1.9804E-05	3.46E-04	6.86E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
130	1.89376	8.4549E-06	1.6012E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
131	1.5625	8.4549E-06	1.3211E-05	3.46E-04	4.57E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
132	1.31575	8.4549E-06	1.1125E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
133	0.73766	8.4549E-06	6.2368E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.48E-11	1,000,000	8.48E-05
134	0.86539	8.4549E-06	7.3168E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.95E-11	1,000,000	9.95E-05
135	1.02431	8.4549E-06	8.6604E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
136	1.28327	8.4549E-06	1.085E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
137	1.72567	8.4549E-06	1.459E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
138	2.18339	8.4549E-06	1.846E-05	3.46E-04	6.39E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04
139	2.82579	8.4549E-06	2.3892E-05	3.46E-04	8.27E-09	0.25	1.57E-01	3.25E-10	1,000,000	3.25E-04
140	3.81546	8.4549E-06	3.2259E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.39E-10	1,000,000	4.39E-04
141	5.45692	8.4549E-06	4.6138E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.27E-10	1,000,000	6.27E-04
142	8.33371	8.4549E-06	7.046E-05	3.46E-04	2.44E-08	0.25	1.57E-01	9.58E-10	1,000,000	9.58E-04
143	13.30307	8.4549E-06	0.00011248	3.46E-04	3.89E-08	0.25	1.57E-01	1.53E-09	1,000,000	1.53E-03
144	19.30847	8.4549E-06	0.00016325	3.46E-04	5.65E-08	0.25	1.57E-01	2.22E-09	1,000,000	2.22E-03
145	21.18433	8.4549E-06	0.00017911	3.46E-04	6.20E-08	0.25	1.57E-01	2.44E-09	1,000,000	2.44E-03
146	16.87125	8.4549E-06	0.00014264	3.46E-04	4.94E-08	0.25	1.57E-01	1.94E-09	1,000,000	1.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	10.96526	8.4549E-06	9.271E-05	3.46E-04	3.21E-08	0.25	1.57E-01	1.26E-09	1,000,000	1.26E-03
148	7.04235	8.4549E-06	5.9542E-05	3.46E-04	2.06E-08	0.25	1.57E-01	8.10E-10	1,000,000	8.10E-04
149	4.82955	8.4549E-06	4.0833E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.55E-10	1,000,000	5.55E-04
150	3.50063	8.4549E-06	2.9597E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.03E-10	1,000,000	4.03E-04
151	2.66041	8.4549E-06	2.2493E-05	3.46E-04	7.79E-09	0.25	1.57E-01	3.06E-10	1,000,000	3.06E-04
152	2.10184	8.4549E-06	1.7771E-05	3.46E-04	6.15E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
153	1.70624	8.4549E-06	1.4426E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
154	1.4175	8.4549E-06	1.1985E-05	3.46E-04	4.15E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
155	0.65093	8.4549E-06	5.5035E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
156	0.78135	8.4549E-06	6.6062E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
157	0.97958	8.4549E-06	8.2822E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
158	1.19211	8.4549E-06	1.0079E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
159	1.53351	8.4549E-06	1.2966E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
160	2.01304	8.4549E-06	1.702E-05	3.46E-04	5.89E-09	0.25	1.57E-01	2.31E-10	1,000,000	2.31E-04
161	2.8239	8.4549E-06	2.3876E-05	3.46E-04	8.26E-09	0.25	1.57E-01	3.25E-10	1,000,000	3.25E-04
162	4.18223	8.4549E-06	3.536E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.81E-10	1,000,000	4.81E-04
163	6.3657	8.4549E-06	5.3821E-05	3.46E-04	1.86E-08	0.25	1.57E-01	7.32E-10	1,000,000	7.32E-04
164	11.13257	8.4549E-06	9.4125E-05	3.46E-04	3.26E-08	0.25	1.57E-01	1.28E-09	1,000,000	1.28E-03
165	25.16452	8.4549E-06	0.00021276	3.46E-04	7.37E-08	0.25	1.57E-01	2.89E-09	1,000,000	2.89E-03
166	61.97458	8.4549E-06	0.00052399	3.46E-04	1.81E-07	0.25	1.57E-01	7.13E-09	1,000,000	7.13E-03
167	74.27109	8.4549E-06	0.00062795	3.46E-04	2.17E-07	0.25	1.57E-01	8.54E-09	1,000,000	8.54E-03
168	46.18667	8.4549E-06	0.0003905	3.46E-04	1.35E-07	0.25	1.57E-01	5.31E-09	1,000,000	5.31E-03
169	18.39249	8.4549E-06	0.00015551	3.46E-04	5.38E-08	0.25	1.57E-01	2.11E-09	1,000,000	2.11E-03
170	9.48613	8.4549E-06	8.0204E-05	3.46E-04	2.78E-08	0.25	1.57E-01	1.09E-09	1,000,000	1.09E-03
171	5.869	8.4549E-06	4.9622E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.75E-10	1,000,000	6.75E-04
172	4.05341	8.4549E-06	3.4271E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.66E-10	1,000,000	4.66E-04
173	2.98491	8.4549E-06	2.5237E-05	3.46E-04	8.74E-09	0.25	1.57E-01	3.43E-10	1,000,000	3.43E-04
174	2.30587	8.4549E-06	1.9496E-05	3.46E-04	6.75E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
175	1.84597	8.4549E-06	1.5607E-05	3.46E-04	5.40E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
176	1.51619	8.4549E-06	1.2819E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
177	0.60551	8.4549E-06	5.1195E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.96E-11	1,000,000	6.96E-05
178	0.73646	8.4549E-06	6.2267E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.47E-11	1,000,000	8.47E-05
179	0.92941	8.4549E-06	7.858E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	1.17331	8.4549E-06	9.9202E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
181	1.48931	8.4549E-06	1.2592E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
182	1.91877	8.4549E-06	1.6223E-05	3.46E-04	5.62E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
183	2.60461	8.4549E-06	2.2022E-05	3.46E-04	7.62E-09	0.25	1.57E-01	2.99E-10	1,000,000	2.99E-04
184	24.69795	8.4549E-06	0.00020882	3.46E-04	7.23E-08	0.25	1.57E-01	2.84E-09	1,000,000	2.84E-03
185	11.20582	8.4549E-06	9.4744E-05	3.46E-04	3.28E-08	0.25	1.57E-01	1.29E-09	1,000,000	1.29E-03
186	6.64137	8.4549E-06	5.6152E-05	3.46E-04	1.94E-08	0.25	1.57E-01	7.64E-10	1,000,000	7.64E-04
187	4.45228	8.4549E-06	3.7643E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.12E-10	1,000,000	5.12E-04
188	3.22283	8.4549E-06	2.7249E-05	3.46E-04	9.43E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
189	2.46121	8.4549E-06	2.0809E-05	3.46E-04	7.20E-09	0.25	1.57E-01	2.83E-10	1,000,000	2.83E-04
190	1.95161	8.4549E-06	1.6501E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
191	1.59174	8.4549E-06	1.3458E-05	3.46E-04	4.66E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
192	0.54913	8.4549E-06	4.6428E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.31E-11	1,000,000	6.31E-05
193	0.65352	8.4549E-06	5.5254E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.51E-11	1,000,000	7.51E-05
194	0.81102	8.4549E-06	6.8571E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.33E-11	1,000,000	9.33E-05
195	1.01618	8.4549E-06	8.5917E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
196	1.31996	8.4549E-06	1.116E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
197	1.68538	8.4549E-06	1.425E-05	3.46E-04	4.93E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
198	2.30892	8.4549E-06	1.9522E-05	3.46E-04	6.76E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
199	8.79768	8.4549E-06	7.4383E-05	3.46E-04	2.57E-08	0.25	1.57E-01	1.01E-09	1,000,000	1.01E-03
200	16.92285	8.4549E-06	0.00014308	3.46E-04	4.95E-08	0.25	1.57E-01	1.95E-09	1,000,000	1.95E-03
201	9.91191	8.4549E-06	8.3804E-05	3.46E-04	2.90E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
202	6.35782	8.4549E-06	5.3755E-05	3.46E-04	1.86E-08	0.25	1.57E-01	7.31E-10	1,000,000	7.31E-04
203	4.41706	8.4549E-06	3.7346E-05	3.46E-04	1.29E-08	0.25	1.57E-01	5.08E-10	1,000,000	5.08E-04
204	3.25077	8.4549E-06	2.7485E-05	3.46E-04	9.51E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
205	2.50041	8.4549E-06	2.1141E-05	3.46E-04	7.32E-09	0.25	1.57E-01	2.87E-10	1,000,000	2.87E-04
206	1.98918	8.4549E-06	1.6818E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
207	1.62559	8.4549E-06	1.3744E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
208	0.49815	8.4549E-06	4.2118E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
209	0.5877	8.4549E-06	4.9689E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.76E-11	1,000,000	6.76E-05
210	0.68521	8.4549E-06	5.7934E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.88E-11	1,000,000	7.88E-05
211	0.85426	8.4549E-06	7.2227E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.82E-11	1,000,000	9.82E-05
212	1.06072	8.4549E-06	8.9683E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	1.38329	8.4549E-06	1.1696E-05	3.46E-04	4.05E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
214	1.90264	8.4549E-06	1.6087E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
215	2.63624	8.4549E-06	2.2289E-05	3.46E-04	7.72E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
216	4.03861	8.4549E-06	3.4146E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.64E-10	1,000,000	4.64E-04
217	5.98369	8.4549E-06	5.0591E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.88E-10	1,000,000	6.88E-04
218	13.00243	8.4549E-06	0.00010993	3.46E-04	3.81E-08	0.25	1.57E-01	1.50E-09	1,000,000	1.50E-03
219	9.92494	8.4549E-06	8.3914E-05	3.46E-04	2.90E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
220	7.21095	8.4549E-06	6.0968E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.29E-10	1,000,000	8.29E-04
221	5.26292	8.4549E-06	4.4497E-05	3.46E-04	1.54E-08	0.25	1.57E-01	6.05E-10	1,000,000	6.05E-04
222	3.93397	8.4549E-06	3.3261E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.52E-10	1,000,000	4.52E-04
223	3.02614	8.4549E-06	2.5586E-05	3.46E-04	8.86E-09	0.25	1.57E-01	3.48E-10	1,000,000	3.48E-04
224	2.39182	8.4549E-06	2.0223E-05	3.46E-04	7.00E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
225	1.93591	8.4549E-06	1.6368E-05	3.46E-04	5.67E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
226	1.60005	8.4549E-06	1.3528E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
227	0.44837	8.4549E-06	3.7909E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
228	0.51932	8.4549E-06	4.3908E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.97E-11	1,000,000	5.97E-05
229	0.60845	8.4549E-06	5.1444E-06	3.46E-04	1.78E-09	0.25	1.57E-01	7.00E-11	1,000,000	7.00E-05
230	0.73186	8.4549E-06	6.1878E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.41E-11	1,000,000	8.41E-05
231	0.89902	8.4549E-06	7.6011E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
232	1.10438	8.4549E-06	9.3374E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
233	1.48894	8.4549E-06	1.2589E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
234	1.98869	8.4549E-06	1.6814E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
235	2.75987	8.4549E-06	2.3334E-05	3.46E-04	8.08E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04
236	3.8649	8.4549E-06	3.2677E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.44E-10	1,000,000	4.44E-04
237	5.189	8.4549E-06	4.3872E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.97E-10	1,000,000	5.97E-04
238	6.535	8.4549E-06	5.5253E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.51E-10	1,000,000	7.51E-04
239	7.52424	8.4549E-06	6.3617E-05	3.46E-04	2.20E-08	0.25	1.57E-01	8.65E-10	1,000,000	8.65E-04
240	7.04183	8.4549E-06	5.9538E-05	3.46E-04	2.06E-08	0.25	1.57E-01	8.10E-10	1,000,000	8.10E-04
241	6.27303	8.4549E-06	5.3038E-05	3.46E-04	1.84E-08	0.25	1.57E-01	7.21E-10	1,000,000	7.21E-04
242	4.99926	8.4549E-06	4.2268E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.75E-10	1,000,000	5.75E-04
243	4.07513	8.4549E-06	3.4455E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.69E-10	1,000,000	4.69E-04
244	3.27205	8.4549E-06	2.7665E-05	3.46E-04	9.58E-09	0.25	1.57E-01	3.76E-10	1,000,000	3.76E-04
245	2.64884	8.4549E-06	2.2396E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	2.17115	8.4549E-06	1.8357E-05	3.46E-04	6.35E-09	0.25	1.57E-01	2.50E-10	1,000,000	2.50E-04
247	1.80385	8.4549E-06	1.5251E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
248	1.51901	8.4549E-06	1.2843E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
249	0.40478	8.4549E-06	3.4224E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
250	0.46188	8.4549E-06	3.9051E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.31E-11	1,000,000	5.31E-05
251	0.53222	8.4549E-06	4.4999E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.12E-11	1,000,000	6.12E-05
252	0.63428	8.4549E-06	5.3628E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.29E-11	1,000,000	7.29E-05
253	0.75834	8.4549E-06	6.4117E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.72E-11	1,000,000	8.72E-05
254	0.95268	8.4549E-06	8.0548E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
255	1.17723	8.4549E-06	9.9533E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
256	1.55811	8.4549E-06	1.3174E-05	3.46E-04	4.56E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
257	1.96576	8.4549E-06	1.662E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
258	2.49019	8.4549E-06	2.1054E-05	3.46E-04	7.29E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
259	3.25698	8.4549E-06	2.7537E-05	3.46E-04	9.53E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
260	3.96281	8.4549E-06	3.3505E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.56E-10	1,000,000	4.56E-04
261	4.40489	8.4549E-06	3.7243E-05	3.46E-04	1.29E-08	0.25	1.57E-01	5.06E-10	1,000,000	5.06E-04
262	4.28908	8.4549E-06	3.6264E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.93E-10	1,000,000	4.93E-04
263	3.90458	8.4549E-06	3.3013E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.49E-10	1,000,000	4.49E-04
264	3.50277	8.4549E-06	2.9615E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.03E-10	1,000,000	4.03E-04
265	3.1502	8.4549E-06	2.6635E-05	3.46E-04	9.22E-09	0.25	1.57E-01	3.62E-10	1,000,000	3.62E-04
266	2.6635	8.4549E-06	2.252E-05	3.46E-04	7.80E-09	0.25	1.57E-01	3.06E-10	1,000,000	3.06E-04
267	2.24706	8.4549E-06	1.8999E-05	3.46E-04	6.58E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
268	1.90621	8.4549E-06	1.6117E-05	3.46E-04	5.58E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
269	1.62775	8.4549E-06	1.3762E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
270	1.4002	8.4549E-06	1.1839E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
271	0.35898	8.4549E-06	3.0351E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
272	0.40483	8.4549E-06	3.4228E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
273	0.4656	8.4549E-06	3.9366E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.35E-11	1,000,000	5.35E-05
274	0.54042	8.4549E-06	4.5692E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.21E-11	1,000,000	6.21E-05
275	0.63624	8.4549E-06	5.3793E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.32E-11	1,000,000	7.32E-05
276	0.77117	8.4549E-06	6.5201E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05
277	0.9386	8.4549E-06	7.9357E-06	3.46E-04	2.75E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
278	1.1357	8.4549E-06	9.6022E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	1.41175	8.4549E-06	1.1936E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
280	1.74398	8.4549E-06	1.4745E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
281	2.16735	8.4549E-06	1.8325E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
282	2.62022	8.4549E-06	2.2154E-05	3.46E-04	7.67E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
283	2.84348	8.4549E-06	2.4041E-05	3.46E-04	8.32E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
284	2.62707	8.4549E-06	2.2212E-05	3.46E-04	7.69E-09	0.25	1.57E-01	3.02E-10	1,000,000	3.02E-04
285	2.59597	8.4549E-06	2.1949E-05	3.46E-04	7.60E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
286	2.44124	8.4549E-06	2.064E-05	3.46E-04	7.14E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
287	2.26455	8.4549E-06	1.9146E-05	3.46E-04	6.63E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
288	2.11286	8.4549E-06	1.7864E-05	3.46E-04	6.18E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
289	1.92117	8.4549E-06	1.6243E-05	3.46E-04	5.62E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
290	1.64959	8.4549E-06	1.3947E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
291	1.44181	8.4549E-06	1.219E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
292	1.26567	8.4549E-06	1.0701E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
293	0.32034	8.4549E-06	2.7084E-06	3.46E-04	9.38E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
294	0.3599	8.4549E-06	3.0429E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
295	0.4069	8.4549E-06	3.4403E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
296	0.46089	8.4549E-06	3.8968E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
297	0.53894	8.4549E-06	4.5567E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.20E-11	1,000,000	6.20E-05
298	0.63092	8.4549E-06	5.3344E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.25E-11	1,000,000	7.25E-05
299	0.74737	8.4549E-06	6.3189E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.59E-11	1,000,000	8.59E-05
300	0.90932	8.4549E-06	7.6882E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
301	1.05398	8.4549E-06	8.9113E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
302	1.28355	8.4549E-06	1.0852E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
303	1.52391	8.4549E-06	1.2884E-05	3.46E-04	4.46E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
304	1.8017	8.4549E-06	1.5233E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
305	1.92344	8.4549E-06	1.6262E-05	3.46E-04	5.63E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
306	1.83728	8.4549E-06	1.5534E-05	3.46E-04	5.38E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
307	1.78795	8.4549E-06	1.5117E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
308	1.69456	8.4549E-06	1.4327E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
309	1.76377	8.4549E-06	1.4912E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
310	1.63258	8.4549E-06	1.3803E-05	3.46E-04	4.78E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
311	1.53116	8.4549E-06	1.2946E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	1.42468	8.4549E-06	1.2045E-05	3.46E-04	4.17E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
313	1.29211	8.4549E-06	1.0925E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
314	1.17225	8.4549E-06	9.9112E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
315	0.28061	8.4549E-06	2.3725E-06	3.46E-04	8.21E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
316	0.31365	8.4549E-06	2.6519E-06	3.46E-04	9.18E-10	0.25	1.57E-01	3.61E-11	1,000,000	3.61E-05
317	0.35088	8.4549E-06	2.9666E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
318	0.3934	8.4549E-06	3.3261E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.52E-11	1,000,000	4.52E-05
319	0.44099	8.4549E-06	3.7285E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
320	0.52594	8.4549E-06	4.4468E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.05E-11	1,000,000	6.05E-05
321	0.60219	8.4549E-06	5.0914E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.92E-11	1,000,000	6.92E-05
322	0.70395	8.4549E-06	5.9518E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.09E-11	1,000,000	8.09E-05
323	0.83845	8.4549E-06	7.089E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.64E-11	1,000,000	9.64E-05
324	0.97644	8.4549E-06	8.2557E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
325	1.12633	8.4549E-06	9.523E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
326	1.28876	8.4549E-06	1.0896E-05	3.46E-04	3.77E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
327	1.60982	8.4549E-06	1.3611E-05	3.46E-04	4.71E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
328	1.31934	8.4549E-06	1.1155E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
329	1.28983	8.4549E-06	1.0905E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
330	1.27912	8.4549E-06	1.0815E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
331	1.2712	8.4549E-06	1.0748E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
332	1.25946	8.4549E-06	1.0649E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
333	1.19139	8.4549E-06	1.0073E-05	3.46E-04	3.49E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
334	1.17348	8.4549E-06	9.9216E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
335	1.11073	8.4549E-06	9.3911E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
336	1.04246	8.4549E-06	8.8139E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
337	0.25104	8.4549E-06	2.1225E-06	3.46E-04	7.35E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
338	0.27641	8.4549E-06	2.337E-06	3.46E-04	8.09E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
339	0.30268	8.4549E-06	2.5591E-06	3.46E-04	8.86E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
340	0.34097	8.4549E-06	2.8829E-06	3.46E-04	9.98E-10	0.25	1.57E-01	3.92E-11	1,000,000	3.92E-05
341	0.37821	8.4549E-06	3.1977E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05
342	0.44145	8.4549E-06	3.7324E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
343	0.49462	8.4549E-06	4.182E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.69E-11	1,000,000	5.69E-05
344	0.5709	8.4549E-06	4.8269E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.56E-11	1,000,000	6.56E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	0.65949	8.4549E-06	5.5759E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.58E-11	1,000,000	7.58E-05
346	0.77072	8.4549E-06	6.5163E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.86E-11	1,000,000	8.86E-05
347	0.85834	8.4549E-06	7.2572E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.87E-11	1,000,000	9.87E-05
348	0.94958	8.4549E-06	8.0286E-06	3.46E-04	2.78E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
349	0.92398	8.4549E-06	7.8121E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
350	0.94764	8.4549E-06	8.0122E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
351	0.96051	8.4549E-06	8.121E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
352	0.92671	8.4549E-06	7.8352E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
353	0.96479	8.4549E-06	8.1572E-06	3.46E-04	2.82E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
354	0.94259	8.4549E-06	7.9695E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
355	0.94344	8.4549E-06	7.9767E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
356	0.93972	8.4549E-06	7.9452E-06	3.46E-04	2.75E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
357	0.90609	8.4549E-06	7.6609E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
358	0.86616	8.4549E-06	7.3233E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.96E-11	1,000,000	9.96E-05
359	0.22079	8.4549E-06	1.8668E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
360	0.24301	8.4549E-06	2.0546E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
361	0.26625	8.4549E-06	2.2511E-06	3.46E-04	7.79E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
362	0.2929	8.4549E-06	2.4764E-06	3.46E-04	8.57E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
363	0.32094	8.4549E-06	2.7135E-06	3.46E-04	9.39E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
364	0.36378	8.4549E-06	3.0757E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.18E-11	1,000,000	4.18E-05
365	0.4126	8.4549E-06	3.4885E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.74E-11	1,000,000	4.74E-05
366	0.47154	8.4549E-06	3.9868E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
367	0.54629	8.4549E-06	4.6188E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.28E-11	1,000,000	6.28E-05
368	0.61156	8.4549E-06	5.1707E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.03E-11	1,000,000	7.03E-05
369	0.6616	8.4549E-06	5.5937E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.61E-11	1,000,000	7.61E-05
370	0.69095	8.4549E-06	5.8419E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.94E-11	1,000,000	7.94E-05
371	0.72814	8.4549E-06	6.1563E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.37E-11	1,000,000	8.37E-05
372	0.74454	8.4549E-06	6.295E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.56E-11	1,000,000	8.56E-05
373	0.73267	8.4549E-06	6.1946E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.42E-11	1,000,000	8.42E-05
374	0.71418	8.4549E-06	6.0383E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.21E-11	1,000,000	8.21E-05
375	0.73625	8.4549E-06	6.2249E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.47E-11	1,000,000	8.47E-05
376	0.72864	8.4549E-06	6.1606E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.38E-11	1,000,000	8.38E-05
377	0.73378	8.4549E-06	6.204E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	0.76872	8.4549E-06	6.4994E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.84E-11	1,000,000	8.84E-05
379	0.7631	8.4549E-06	6.4519E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
380	0.72274	8.4549E-06	6.1107E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.31E-11	1,000,000	8.31E-05
381	0.93009	8.4549E-06	7.8638E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
382	1.06288	8.4549E-06	8.9865E-06	3.46E-04	3.11E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
383	1.22404	8.4549E-06	1.0349E-05	3.46E-04	3.58E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
384	1.42005	8.4549E-06	1.2006E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
385	1.65809	8.4549E-06	1.4019E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
386	1.94277	8.4549E-06	1.6426E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
387	2.27235	8.4549E-06	1.9212E-05	3.46E-04	6.65E-09	0.25	1.57E-01	2.61E-10	1,000,000	2.61E-04
388	2.63454	8.4549E-06	2.2275E-05	3.46E-04	7.71E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
389	2.99076	8.4549E-06	2.5287E-05	3.46E-04	8.75E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
390	3.27775	8.4549E-06	2.7713E-05	3.46E-04	9.59E-09	0.25	1.57E-01	3.77E-10	1,000,000	3.77E-04
391	3.42054	8.4549E-06	2.892E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.93E-10	1,000,000	3.93E-04
392	3.37538	8.4549E-06	2.8538E-05	3.46E-04	9.88E-09	0.25	1.57E-01	3.88E-10	1,000,000	3.88E-04
393	3.1543	8.4549E-06	2.6669E-05	3.46E-04	9.23E-09	0.25	1.57E-01	3.63E-10	1,000,000	3.63E-04
394	2.82657	8.4549E-06	2.3898E-05	3.46E-04	8.27E-09	0.25	1.57E-01	3.25E-10	1,000,000	3.25E-04
395	2.45423	8.4549E-06	2.075E-05	3.46E-04	7.18E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
396	2.10179	8.4549E-06	1.777E-05	3.46E-04	6.15E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
397	1.79302	8.4549E-06	1.516E-05	3.46E-04	5.25E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
398	1.53209	8.4549E-06	1.2954E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
399	0.98999	8.4549E-06	8.3702E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
400	1.14464	8.4549E-06	9.6778E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
401	1.33793	8.4549E-06	1.1312E-05	3.46E-04	3.92E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
402	1.58279	8.4549E-06	1.3382E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
403	1.89409	8.4549E-06	1.6014E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
404	2.28852	8.4549E-06	1.9349E-05	3.46E-04	6.70E-09	0.25	1.57E-01	2.63E-10	1,000,000	2.63E-04
405	2.78265	8.4549E-06	2.3527E-05	3.46E-04	8.14E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
406	3.37543	8.4549E-06	2.8539E-05	3.46E-04	9.88E-09	0.25	1.57E-01	3.88E-10	1,000,000	3.88E-04
407	4.01727	8.4549E-06	3.3966E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.62E-10	1,000,000	4.62E-04
408	4.5866	8.4549E-06	3.8779E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.27E-10	1,000,000	5.27E-04
409	4.88753	8.4549E-06	4.1323E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.62E-10	1,000,000	5.62E-04
410	4.78659	8.4549E-06	4.047E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.50E-10	1,000,000	5.50E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	4.3452	8.4549E-06	3.6738E-05	3.46E-04	1.27E-08	0.25	1.57E-01	5.00E-10	1,000,000	5.00E-04
412	3.72869	8.4549E-06	3.1526E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
413	3.09184	8.4549E-06	2.6141E-05	3.46E-04	9.05E-09	0.25	1.57E-01	3.56E-10	1,000,000	3.56E-04
414	2.5407	8.4549E-06	2.1481E-05	3.46E-04	7.44E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
415	2.09323	8.4549E-06	1.7698E-05	3.46E-04	6.13E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
416	1.73606	8.4549E-06	1.4678E-05	3.46E-04	5.08E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
417	1.01338	8.4549E-06	8.568E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
418	1.2151	8.4549E-06	1.0274E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
419	1.44579	8.4549E-06	1.2224E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
420	1.74348	8.4549E-06	1.4741E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
421	2.1416	8.4549E-06	1.8107E-05	3.46E-04	6.27E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
422	2.68291	8.4549E-06	2.2684E-05	3.46E-04	7.85E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
423	3.42563	8.4549E-06	2.8963E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.94E-10	1,000,000	3.94E-04
424	4.42662	8.4549E-06	3.7427E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.09E-10	1,000,000	5.09E-04
425	5.66742	8.4549E-06	4.7917E-05	3.46E-04	1.66E-08	0.25	1.57E-01	6.52E-10	1,000,000	6.52E-04
426	6.92698	8.4549E-06	5.8567E-05	3.46E-04	2.03E-08	0.25	1.57E-01	7.96E-10	1,000,000	7.96E-04
427	7.65047	8.4549E-06	6.4684E-05	3.46E-04	2.24E-08	0.25	1.57E-01	8.80E-10	1,000,000	8.80E-04
428	7.4301	8.4549E-06	6.2821E-05	3.46E-04	2.17E-08	0.25	1.57E-01	8.54E-10	1,000,000	8.54E-04
429	6.39248	8.4549E-06	5.4048E-05	3.46E-04	1.87E-08	0.25	1.57E-01	7.35E-10	1,000,000	7.35E-04
430	5.08843	8.4549E-06	4.3022E-05	3.46E-04	1.49E-08	0.25	1.57E-01	5.85E-10	1,000,000	5.85E-04
431	3.9463	8.4549E-06	3.3365E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.54E-10	1,000,000	4.54E-04
432	3.0758	8.4549E-06	2.6006E-05	3.46E-04	9.00E-09	0.25	1.57E-01	3.54E-10	1,000,000	3.54E-04
433	2.44675	8.4549E-06	2.0687E-05	3.46E-04	7.16E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
434	1.97515	8.4549E-06	1.67E-05	3.46E-04	5.78E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
435	0.95618	8.4549E-06	8.0844E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
436	1.16564	8.4549E-06	9.8553E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
437	1.48926	8.4549E-06	1.2592E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
438	1.88659	8.4549E-06	1.5951E-05	3.46E-04	5.52E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
439	2.37372	8.4549E-06	2.007E-05	3.46E-04	6.95E-09	0.25	1.57E-01	2.73E-10	1,000,000	2.73E-04
440	3.08425	8.4549E-06	2.6077E-05	3.46E-04	9.03E-09	0.25	1.57E-01	3.55E-10	1,000,000	3.55E-04
441	4.16245	8.4549E-06	3.5193E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.79E-10	1,000,000	4.79E-04
442	5.85406	8.4549E-06	4.9495E-05	3.46E-04	1.71E-08	0.25	1.57E-01	6.73E-10	1,000,000	6.73E-04
443	8.46006	8.4549E-06	7.1529E-05	3.46E-04	2.48E-08	0.25	1.57E-01	9.73E-10	1,000,000	9.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	11.78351	8.4549E-06	9.9628E-05	3.46E-04	3.45E-08	0.25	1.57E-01	1.35E-09	1,000,000	1.35E-03
445	14.06843	8.4549E-06	0.00011895	3.46E-04	4.12E-08	0.25	1.57E-01	1.62E-09	1,000,000	1.62E-03
446	13.36711	8.4549E-06	0.00011302	3.46E-04	3.91E-08	0.25	1.57E-01	1.54E-09	1,000,000	1.54E-03
447	10.32928	8.4549E-06	8.7333E-05	3.46E-04	3.02E-08	0.25	1.57E-01	1.19E-09	1,000,000	1.19E-03
448	7.22073	8.4549E-06	6.105E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.30E-10	1,000,000	8.30E-04
449	5.08972	8.4549E-06	4.3033E-05	3.46E-04	1.49E-08	0.25	1.57E-01	5.85E-10	1,000,000	5.85E-04
450	3.72863	8.4549E-06	3.1525E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
451	2.82427	8.4549E-06	2.3879E-05	3.46E-04	8.27E-09	0.25	1.57E-01	3.25E-10	1,000,000	3.25E-04
452	2.22446	8.4549E-06	1.8808E-05	3.46E-04	6.51E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
453	0.91132	8.4549E-06	7.7051E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
454	1.10792	8.4549E-06	9.3673E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
455	1.41793	8.4549E-06	1.1988E-05	3.46E-04	4.15E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
456	1.90042	8.4549E-06	1.6068E-05	3.46E-04	5.56E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
457	2.51503	8.4549E-06	2.1264E-05	3.46E-04	7.36E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
458	3.41402	8.4549E-06	2.8865E-05	3.46E-04	9.99E-09	0.25	1.57E-01	3.93E-10	1,000,000	3.93E-04
459	4.85406	8.4549E-06	4.104E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.58E-10	1,000,000	5.58E-04
460	7.52283	8.4549E-06	6.3605E-05	3.46E-04	2.20E-08	0.25	1.57E-01	8.65E-10	1,000,000	8.65E-04
461	13.12398	8.4549E-06	0.00011096	3.46E-04	3.84E-08	0.25	1.57E-01	1.51E-09	1,000,000	1.51E-03
462	24.68794	8.4549E-06	0.00020873	3.46E-04	7.23E-08	0.25	1.57E-01	2.84E-09	1,000,000	2.84E-03
463	35.51459	8.4549E-06	0.00030027	3.46E-04	1.04E-07	0.25	1.57E-01	4.08E-09	1,000,000	4.08E-03
464	32.28523	8.4549E-06	0.00027297	3.46E-04	9.45E-08	0.25	1.57E-01	3.71E-09	1,000,000	3.71E-03
465	19.22795	8.4549E-06	0.00016257	3.46E-04	5.63E-08	0.25	1.57E-01	2.21E-09	1,000,000	2.21E-03
466	10.59194	8.4549E-06	8.9554E-05	3.46E-04	3.10E-08	0.25	1.57E-01	1.22E-09	1,000,000	1.22E-03
467	6.55116	8.4549E-06	5.5389E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.53E-10	1,000,000	7.53E-04
468	4.46028	8.4549E-06	3.7711E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.13E-10	1,000,000	5.13E-04
469	3.24926	8.4549E-06	2.7472E-05	3.46E-04	9.51E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
470	2.48544	8.4549E-06	2.1014E-05	3.46E-04	7.27E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
471	0.83184	8.4549E-06	7.0331E-06	3.46E-04	2.43E-09	0.25	1.57E-01	9.56E-11	1,000,000	9.56E-05
472	1.051	8.4549E-06	8.8861E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
473	1.33232	8.4549E-06	1.1265E-05	3.46E-04	3.90E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
474	1.70064	8.4549E-06	1.4379E-05	3.46E-04	4.98E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
475	2.23453	8.4549E-06	1.8893E-05	3.46E-04	6.54E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
476	14.92509	8.4549E-06	0.00012619	3.46E-04	4.37E-08	0.25	1.57E-01	1.72E-09	1,000,000	1.72E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.02729	8.4549E-06	6.787E-05	3.46E-04	2.35E-08	0.25	1.57E-01	9.23E-10	1,000,000	9.23E-04
478	5.1658	8.4549E-06	4.3676E-05	3.46E-04	1.51E-08	0.25	1.57E-01	5.94E-10	1,000,000	5.94E-04
479	3.63807	8.4549E-06	3.0759E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.18E-10	1,000,000	4.18E-04
480	2.7192	8.4549E-06	2.2991E-05	3.46E-04	7.96E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
481	0.75588	8.4549E-06	6.3909E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.69E-11	1,000,000	8.69E-05
482	0.95653	8.4549E-06	8.0873E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
483	1.17891	8.4549E-06	9.9675E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
484	1.51674	8.4549E-06	1.2824E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
485	2.10336	8.4549E-06	1.7784E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
486	14.91089	8.4549E-06	0.00012607	3.46E-04	4.36E-08	0.25	1.57E-01	1.71E-09	1,000,000	1.71E-03
487	8.38695	8.4549E-06	7.0911E-05	3.46E-04	2.45E-08	0.25	1.57E-01	9.64E-10	1,000,000	9.64E-04
488	5.40781	8.4549E-06	4.5722E-05	3.46E-04	1.58E-08	0.25	1.57E-01	6.22E-10	1,000,000	6.22E-04
489	3.81044	8.4549E-06	3.2217E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
490	2.84414	8.4549E-06	2.4047E-05	3.46E-04	8.32E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
491	0.67254	8.4549E-06	5.6862E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.73E-11	1,000,000	7.73E-05
492	0.82735	8.4549E-06	6.9951E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.51E-11	1,000,000	9.51E-05
493	1.00932	8.4549E-06	8.5337E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
494	1.29728	8.4549E-06	1.0968E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
495	1.76267	8.4549E-06	1.4903E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
496	5.90033	8.4549E-06	4.9887E-05	3.46E-04	1.73E-08	0.25	1.57E-01	6.78E-10	1,000,000	6.78E-04
497	9.07825	8.4549E-06	7.6755E-05	3.46E-04	2.66E-08	0.25	1.57E-01	1.04E-09	1,000,000	1.04E-03
498	15.69872	8.4549E-06	0.00013273	3.46E-04	4.59E-08	0.25	1.57E-01	1.81E-09	1,000,000	1.81E-03
499	10.48314	8.4549E-06	8.8634E-05	3.46E-04	3.07E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
500	7.04084	8.4549E-06	5.9529E-05	3.46E-04	2.06E-08	0.25	1.57E-01	8.10E-10	1,000,000	8.10E-04
501	4.9448	8.4549E-06	4.1808E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.69E-10	1,000,000	5.69E-04
502	3.63624	8.4549E-06	3.0744E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.18E-10	1,000,000	4.18E-04
503	2.78146	8.4549E-06	2.3517E-05	3.46E-04	8.14E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
504	0.59835	8.4549E-06	5.059E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.88E-11	1,000,000	6.88E-05
505	0.70378	8.4549E-06	5.9504E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.09E-11	1,000,000	8.09E-05
506	0.88701	8.4549E-06	7.4996E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
507	1.08422	8.4549E-06	9.1669E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
508	1.46199	8.4549E-06	1.2361E-05	3.46E-04	4.28E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
509	1.9466	8.4549E-06	1.6458E-05	3.46E-04	5.70E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	2.69229	8.4549E-06	2.2763E-05	3.46E-04	7.88E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
511	3.89298	8.4549E-06	3.2915E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.48E-10	1,000,000	4.48E-04
512	5.69653	8.4549E-06	4.8163E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.55E-10	1,000,000	6.55E-04
513	7.76347	8.4549E-06	6.5639E-05	3.46E-04	2.27E-08	0.25	1.57E-01	8.93E-10	1,000,000	8.93E-04
514	9.86765	8.4549E-06	8.343E-05	3.46E-04	2.89E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
515	9.97799	8.4549E-06	8.4363E-05	3.46E-04	2.92E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
516	8.72067	8.4549E-06	7.3732E-05	3.46E-04	2.55E-08	0.25	1.57E-01	1.00E-09	1,000,000	1.00E-03
517	6.88716	8.4549E-06	5.823E-05	3.46E-04	2.02E-08	0.25	1.57E-01	7.92E-10	1,000,000	7.92E-04
518	5.29854	8.4549E-06	4.4799E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04
519	4.08714	8.4549E-06	3.4556E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.70E-10	1,000,000	4.70E-04
520	3.19758	8.4549E-06	2.7035E-05	3.46E-04	9.36E-09	0.25	1.57E-01	3.68E-10	1,000,000	3.68E-04
521	2.54815	8.4549E-06	2.1544E-05	3.46E-04	7.46E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
522	0.52584	8.4549E-06	4.4459E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.05E-11	1,000,000	6.05E-05
523	0.62867	8.4549E-06	5.3153E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
524	0.7597	8.4549E-06	6.4232E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.74E-11	1,000,000	8.74E-05
525	0.92491	8.4549E-06	7.82E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
526	1.11606	8.4549E-06	9.4362E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
527	1.51983	8.4549E-06	1.285E-05	3.46E-04	4.45E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
528	1.99457	8.4549E-06	1.6864E-05	3.46E-04	5.84E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
529	2.66886	8.4549E-06	2.2565E-05	3.46E-04	7.81E-09	0.25	1.57E-01	3.07E-10	1,000,000	3.07E-04
530	3.62304	8.4549E-06	3.0632E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.17E-10	1,000,000	4.17E-04
531	4.56021	8.4549E-06	3.8556E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.24E-10	1,000,000	5.24E-04
532	5.32067	8.4549E-06	4.4986E-05	3.46E-04	1.56E-08	0.25	1.57E-01	6.12E-10	1,000,000	6.12E-04
533	5.83816	8.4549E-06	4.9361E-05	3.46E-04	1.71E-08	0.25	1.57E-01	6.71E-10	1,000,000	6.71E-04
534	5.2047	8.4549E-06	4.4005E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.98E-10	1,000,000	5.98E-04
535	4.58804	8.4549E-06	3.8791E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.28E-10	1,000,000	5.28E-04
536	3.91041	8.4549E-06	3.3062E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.50E-10	1,000,000	4.50E-04
537	3.25261	8.4549E-06	2.75E-05	3.46E-04	9.52E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
538	2.68447	8.4549E-06	2.2697E-05	3.46E-04	7.86E-09	0.25	1.57E-01	3.09E-10	1,000,000	3.09E-04
539	2.23135	8.4549E-06	1.8866E-05	3.46E-04	6.53E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
540	0.46318	8.4549E-06	3.9161E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.33E-11	1,000,000	5.33E-05
541	0.54502	8.4549E-06	4.6081E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
542	0.64544	8.4549E-06	5.4571E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.42E-11	1,000,000	7.42E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	0.77275	8.4549E-06	6.5335E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
544	0.95992	8.4549E-06	8.116E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
545	1.16692	8.4549E-06	9.8662E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
546	1.47985	8.4549E-06	1.2512E-05	3.46E-04	4.33E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
547	1.85093	8.4549E-06	1.5649E-05	3.46E-04	5.42E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
548	2.38532	8.4549E-06	2.0168E-05	3.46E-04	6.98E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
549	2.91477	8.4549E-06	2.4644E-05	3.46E-04	8.53E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
550	3.40062	8.4549E-06	2.8752E-05	3.46E-04	9.95E-09	0.25	1.57E-01	3.91E-10	1,000,000	3.91E-04
551	4.12854	8.4549E-06	3.4906E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.75E-10	1,000,000	4.75E-04
552	3.33893	8.4549E-06	2.823E-05	3.46E-04	9.77E-09	0.25	1.57E-01	3.84E-10	1,000,000	3.84E-04
553	3.0375	8.4549E-06	2.5682E-05	3.46E-04	8.89E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
554	2.75716	8.4549E-06	2.3311E-05	3.46E-04	8.07E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04
555	2.59682	8.4549E-06	2.1956E-05	3.46E-04	7.60E-09	0.25	1.57E-01	2.99E-10	1,000,000	2.99E-04
556	2.22664	8.4549E-06	1.8826E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
557	1.91202	8.4549E-06	1.6166E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
558	0.40911	8.4549E-06	3.459E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.70E-11	1,000,000	4.70E-05
559	0.47512	8.4549E-06	4.0171E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
560	0.54214	8.4549E-06	4.5837E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.23E-11	1,000,000	6.23E-05
561	0.64068	8.4549E-06	5.4169E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.37E-11	1,000,000	7.37E-05
562	0.74748	8.4549E-06	6.3199E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.59E-11	1,000,000	8.59E-05
563	0.89535	8.4549E-06	7.5701E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
564	1.11696	8.4549E-06	9.4438E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
565	1.33719	8.4549E-06	1.1306E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
566	1.66271	8.4549E-06	1.4058E-05	3.46E-04	4.87E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
567	1.96547	8.4549E-06	1.6618E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
568	2.30196	8.4549E-06	1.9463E-05	3.46E-04	6.74E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
569	2.21894	8.4549E-06	1.8761E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
570	2.11647	8.4549E-06	1.7894E-05	3.46E-04	6.19E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
571	2.09916	8.4549E-06	1.7748E-05	3.46E-04	6.14E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
572	2.07058	8.4549E-06	1.7507E-05	3.46E-04	6.06E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
573	1.9239	8.4549E-06	1.6266E-05	3.46E-04	5.63E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
574	1.78846	8.4549E-06	1.5121E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
575	1.63245	8.4549E-06	1.3802E-05	3.46E-04	4.78E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	5.6156E-06	1.05E-03	5.87E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.8E-03
2	8.4549E-06	6.2064E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
3	8.4549E-06	6.8801E-06	1.05E-03	7.19E-09	2.00	1.57E-01	2.26E-09	1,000,000	2.26E-03
4	8.4549E-06	7.6435E-06	1.05E-03	7.99E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
5	8.4549E-06	8.5055E-06	1.05E-03	8.89E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
6	8.4549E-06	9.465E-06	1.05E-03	9.89E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
7	8.4549E-06	1.0501E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
8	8.4549E-06	1.1586E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.81E-09	1,000,000	3.81E-03
9	8.4549E-06	1.267E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
10	8.4549E-06	1.3656E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
11	8.4549E-06	1.4438E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
12	8.4549E-06	1.4916E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
13	8.4549E-06	1.5013E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
14	8.4549E-06	1.4709E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
15	8.4549E-06	1.4053E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
16	8.4549E-06	1.3129E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.31E-09	1,000,000	4.31E-03
17	8.4549E-06	1.2087E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
18	8.4549E-06	1.0993E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
19	8.4549E-06	9.9135E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
20	8.4549E-06	8.9263E-06	1.05E-03	9.33E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
21	8.4549E-06	8.0243E-06	1.05E-03	8.39E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	7.2089E-06	1.05E-03	7.53E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
23	8.4549E-06	5.987E-06	1.05E-03	6.26E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
24	8.4549E-06	6.6754E-06	1.05E-03	6.98E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
25	8.4549E-06	7.4766E-06	1.05E-03	7.81E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
26	8.4549E-06	8.4091E-06	1.05E-03	8.79E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
27	8.4549E-06	9.4889E-06	1.05E-03	9.92E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
28	8.4549E-06	1.0735E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
29	8.4549E-06	1.2129E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.98E-09	1,000,000	3.98E-03
30	8.4549E-06	1.3662E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
31	8.4549E-06	1.5242E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03
32	8.4549E-06	1.6746E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.50E-09	1,000,000	5.50E-03
33	8.4549E-06	1.7978E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
34	8.4549E-06	1.8773E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.17E-09	1,000,000	6.17E-03
35	8.4549E-06	1.8956E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.23E-09	1,000,000	6.23E-03
36	8.4549E-06	1.8486E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.07E-09	1,000,000	6.07E-03
37	8.4549E-06	1.7384E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.71E-09	1,000,000	5.71E-03
38	8.4549E-06	1.5962E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.24E-09	1,000,000	5.24E-03
39	8.4549E-06	1.4419E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
40	8.4549E-06	1.2852E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
41	8.4549E-06	1.137E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.73E-09	1,000,000	3.73E-03
42	8.4549E-06	1.0039E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
43	8.4549E-06	8.8717E-06	1.05E-03	9.27E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03
44	8.4549E-06	7.9083E-06	1.05E-03	8.27E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
45	8.4549E-06	6.3528E-06	1.05E-03	6.64E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
46	8.4549E-06	7.1472E-06	1.05E-03	7.47E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
47	8.4549E-06	8.0922E-06	1.05E-03	8.46E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	9.221E-06	1.05E-03	9.64E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
49	8.4549E-06	1.057E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.47E-09	1,000,000	3.47E-03
50	8.4549E-06	1.2178E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
51	8.4549E-06	1.4073E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
52	8.4549E-06	1.6249E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
53	8.4549E-06	1.8641E-05	1.05E-03	1.95E-08	2.00	1.57E-01	6.12E-09	1,000,000	6.12E-03
54	8.4549E-06	2.1034E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.91E-09	1,000,000	6.91E-03
55	8.4549E-06	2.3119E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.59E-09	1,000,000	7.59E-03
56	8.4549E-06	2.4497E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.05E-09	1,000,000	8.05E-03
57	8.4549E-06	2.4809E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.15E-09	1,000,000	8.15E-03
58	8.4549E-06	2.403E-05	1.05E-03	2.51E-08	2.00	1.57E-01	7.89E-09	1,000,000	7.89E-03
59	8.4549E-06	2.2156E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.28E-09	1,000,000	7.28E-03
60	8.4549E-06	1.9825E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.51E-09	1,000,000	6.51E-03
61	8.4549E-06	1.7429E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
62	8.4549E-06	1.5119E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.97E-09	1,000,000	4.97E-03
63	8.4549E-06	1.3072E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.29E-09	1,000,000	4.29E-03
64	8.4549E-06	1.1328E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.72E-09	1,000,000	3.72E-03
65	8.4549E-06	9.8717E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
66	8.4549E-06	8.6569E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
67	8.4549E-06	6.6972E-06	1.05E-03	7.00E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
68	8.4549E-06	7.6013E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
69	8.4549E-06	8.6986E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
70	8.4549E-06	1.0046E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
71	8.4549E-06	1.1712E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.85E-09	1,000,000	3.85E-03
72	8.4549E-06	1.3781E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
73	8.4549E-06	1.6346E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.37E-09	1,000,000	5.37E-03
74	8.4549E-06	1.9472E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.40E-09	1,000,000	6.40E-03
75	8.4549E-06	2.3157E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.61E-09	1,000,000	7.61E-03
76	8.4549E-06	2.7187E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.93E-09	1,000,000	8.93E-03
77	8.4549E-06	3.0999E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
78	8.4549E-06	3.3706E-05	1.05E-03	3.52E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
79	8.4549E-06	3.4295E-05	1.05E-03	3.58E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
80	8.4549E-06	3.2631E-05	1.05E-03	3.41E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	2.9276E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.62E-09	1,000,000	9.62E-03
82	8.4549E-06	2.5304E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.31E-09	1,000,000	8.31E-03
83	8.4549E-06	2.1343E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.01E-09	1,000,000	7.01E-03
84	8.4549E-06	1.7916E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.89E-09	1,000,000	5.89E-03
85	8.4549E-06	1.499E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.92E-09	1,000,000	4.92E-03
86	8.4549E-06	1.2757E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
87	8.4549E-06	1.0917E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
88	8.4549E-06	9.4464E-06	1.05E-03	9.87E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
89	8.4549E-06	6.9525E-06	1.05E-03	7.27E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
90	8.4549E-06	8.0157E-06	1.05E-03	8.38E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
91	8.4549E-06	9.2653E-06	1.05E-03	9.68E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
92	8.4549E-06	1.0837E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
93	8.4549E-06	1.2848E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
94	8.4549E-06	1.5465E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
95	8.4549E-06	1.8889E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.20E-09	1,000,000	6.20E-03
96	8.4549E-06	2.3386E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.68E-09	1,000,000	7.68E-03
97	8.4549E-06	2.9211E-05	1.05E-03	3.05E-08	2.00	1.57E-01	9.60E-09	1,000,000	9.60E-03
98	8.4549E-06	3.6308E-05	1.05E-03	3.79E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
99	8.4549E-06	4.3788E-05	1.05E-03	4.58E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
100	8.4549E-06	4.9567E-05	1.05E-03	5.18E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
101	8.4549E-06	5.0993E-05	1.05E-03	5.33E-08	2.00	1.57E-01	1.68E-08	1,000,000	1.68E-02
102	8.4549E-06	4.7319E-05	1.05E-03	4.95E-08	2.00	1.57E-01	1.55E-08	1,000,000	1.55E-02
103	8.4549E-06	4.0461E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
104	8.4549E-06	3.2917E-05	1.05E-03	3.44E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
105	8.4549E-06	2.6424E-05	1.05E-03	2.76E-08	2.00	1.57E-01	8.68E-09	1,000,000	8.68E-03
106	8.4549E-06	2.1258E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.98E-09	1,000,000	6.98E-03
107	8.4549E-06	1.7302E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.68E-09	1,000,000	5.68E-03
108	8.4549E-06	1.4317E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
109	8.4549E-06	1.2027E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
110	8.4549E-06	1.0271E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
111	8.4549E-06	6.6064E-06	1.05E-03	6.91E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
112	8.4549E-06	8.0535E-06	1.05E-03	8.42E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
113	8.4549E-06	9.2786E-06	1.05E-03	9.70E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.101E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
115	8.4549E-06	1.3898E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.57E-09	1,000,000	4.57E-03
116	8.4549E-06	1.7096E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.62E-09	1,000,000	5.62E-03
117	8.4549E-06	2.1531E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.07E-09	1,000,000	7.07E-03
118	8.4549E-06	2.7858E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.15E-09	1,000,000	9.15E-03
119	8.4549E-06	3.7044E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
120	8.4549E-06	5.0133E-05	1.05E-03	5.24E-08	2.00	1.57E-01	1.65E-08	1,000,000	1.65E-02
121	8.4549E-06	6.677E-05	1.05E-03	6.98E-08	2.00	1.57E-01	2.19E-08	1,000,000	2.19E-02
122	8.4549E-06	8.1588E-05	1.05E-03	8.53E-08	2.00	1.57E-01	2.68E-08	1,000,000	2.68E-02
123	8.4549E-06	8.5637E-05	1.05E-03	8.95E-08	2.00	1.57E-01	2.81E-08	1,000,000	2.81E-02
124	8.4549E-06	7.5762E-05	1.05E-03	7.92E-08	2.00	1.57E-01	2.49E-08	1,000,000	2.49E-02
125	8.4549E-06	5.9169E-05	1.05E-03	6.18E-08	2.00	1.57E-01	1.94E-08	1,000,000	1.94E-02
126	8.4549E-06	4.3909E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
127	8.4549E-06	3.2851E-05	1.05E-03	3.43E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
128	8.4549E-06	2.5184E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.27E-09	1,000,000	8.27E-03
129	8.4549E-06	1.9804E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.51E-09	1,000,000	6.51E-03
130	8.4549E-06	1.6012E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
131	8.4549E-06	1.3211E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.34E-09	1,000,000	4.34E-03
132	8.4549E-06	1.1125E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
133	8.4549E-06	6.2368E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
134	8.4549E-06	7.3168E-06	1.05E-03	7.65E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
135	8.4549E-06	8.6604E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
136	8.4549E-06	1.085E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
137	8.4549E-06	1.459E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
138	8.4549E-06	1.846E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.06E-09	1,000,000	6.06E-03
139	8.4549E-06	2.3892E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.85E-09	1,000,000	7.85E-03
140	8.4549E-06	3.2259E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
141	8.4549E-06	4.6138E-05	1.05E-03	4.82E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
142	8.4549E-06	7.046E-05	1.05E-03	7.36E-08	2.00	1.57E-01	2.31E-08	1,000,000	2.31E-02
143	8.4549E-06	0.00011248	1.05E-03	1.18E-07	2.00	1.57E-01	3.69E-08	1,000,000	3.69E-02
144	8.4549E-06	0.00016325	1.05E-03	1.71E-07	2.00	1.57E-01	5.36E-08	1,000,000	5.36E-02
145	8.4549E-06	0.00017911	1.05E-03	1.87E-07	2.00	1.57E-01	5.88E-08	1,000,000	5.88E-02
146	8.4549E-06	0.00014264	1.05E-03	1.49E-07	2.00	1.57E-01	4.69E-08	1,000,000	4.69E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	9.271E-05	1.05E-03	9.69E-08	2.00	1.57E-01	3.05E-08	1,000,000	3.05E-02
148	8.4549E-06	5.9542E-05	1.05E-03	6.22E-08	2.00	1.57E-01	1.96E-08	1,000,000	1.96E-02
149	8.4549E-06	4.0833E-05	1.05E-03	4.27E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
150	8.4549E-06	2.9597E-05	1.05E-03	3.09E-08	2.00	1.57E-01	9.72E-09	1,000,000	9.72E-03
151	8.4549E-06	2.2493E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.39E-09	1,000,000	7.39E-03
152	8.4549E-06	1.7771E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.84E-09	1,000,000	5.84E-03
153	8.4549E-06	1.4426E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
154	8.4549E-06	1.1985E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03
155	8.4549E-06	5.5035E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
156	8.4549E-06	6.6062E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
157	8.4549E-06	8.2822E-06	1.05E-03	8.66E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
158	8.4549E-06	1.0079E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
159	8.4549E-06	1.2966E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
160	8.4549E-06	1.702E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.59E-09	1,000,000	5.59E-03
161	8.4549E-06	2.3876E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.84E-09	1,000,000	7.84E-03
162	8.4549E-06	3.536E-05	1.05E-03	3.70E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
163	8.4549E-06	5.3821E-05	1.05E-03	5.63E-08	2.00	1.57E-01	1.77E-08	1,000,000	1.77E-02
164	8.4549E-06	9.4125E-05	1.05E-03	9.84E-08	2.00	1.57E-01	3.09E-08	1,000,000	3.09E-02
165	8.4549E-06	0.00021276	1.05E-03	2.22E-07	2.00	1.57E-01	6.99E-08	1,000,000	6.99E-02
166	8.4549E-06	0.00052399	1.05E-03	5.48E-07	2.00	1.57E-01	1.72E-07	1,000,000	1.72E-01
167	8.4549E-06	0.00062795	1.05E-03	6.56E-07	2.00	1.57E-01	2.06E-07	1,000,000	2.06E-01
168	8.4549E-06	0.0003905	1.05E-03	4.08E-07	2.00	1.57E-01	1.28E-07	1,000,000	1.28E-01
169	8.4549E-06	0.00015551	1.05E-03	1.63E-07	2.00	1.57E-01	5.11E-08	1,000,000	5.11E-02
170	8.4549E-06	8.0204E-05	1.05E-03	8.38E-08	2.00	1.57E-01	2.63E-08	1,000,000	2.63E-02
171	8.4549E-06	4.9622E-05	1.05E-03	5.19E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
172	8.4549E-06	3.4271E-05	1.05E-03	3.58E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
173	8.4549E-06	2.5237E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.29E-09	1,000,000	8.29E-03
174	8.4549E-06	1.9496E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.40E-09	1,000,000	6.40E-03
175	8.4549E-06	1.5607E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.13E-09	1,000,000	5.13E-03
176	8.4549E-06	1.2819E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.21E-09	1,000,000	4.21E-03
177	8.4549E-06	5.1195E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
178	8.4549E-06	6.2267E-06	1.05E-03	6.51E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
179	8.4549E-06	7.858E-06	1.05E-03	8.21E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	9.9202E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
181	8.4549E-06	1.2592E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
182	8.4549E-06	1.6223E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.33E-09	1,000,000	5.33E-03
183	8.4549E-06	2.2022E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.23E-09	1,000,000	7.23E-03
184	8.4549E-06	0.00020882	1.05E-03	2.18E-07	2.00	1.57E-01	6.86E-08	1,000,000	6.86E-02
185	8.4549E-06	9.4744E-05	1.05E-03	9.90E-08	2.00	1.57E-01	3.11E-08	1,000,000	3.11E-02
186	8.4549E-06	5.6152E-05	1.05E-03	5.87E-08	2.00	1.57E-01	1.84E-08	1,000,000	1.84E-02
187	8.4549E-06	3.7643E-05	1.05E-03	3.93E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
188	8.4549E-06	2.7249E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.95E-09	1,000,000	8.95E-03
189	8.4549E-06	2.0809E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.84E-09	1,000,000	6.84E-03
190	8.4549E-06	1.6501E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
191	8.4549E-06	1.3458E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.42E-09	1,000,000	4.42E-03
192	8.4549E-06	4.6428E-06	1.05E-03	4.85E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
193	8.4549E-06	5.5254E-06	1.05E-03	5.78E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
194	8.4549E-06	6.8571E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
195	8.4549E-06	8.5917E-06	1.05E-03	8.98E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
196	8.4549E-06	1.116E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
197	8.4549E-06	1.425E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.68E-09	1,000,000	4.68E-03
198	8.4549E-06	1.9522E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.41E-09	1,000,000	6.41E-03
199	8.4549E-06	7.4383E-05	1.05E-03	7.77E-08	2.00	1.57E-01	2.44E-08	1,000,000	2.44E-02
200	8.4549E-06	0.00014308	1.05E-03	1.50E-07	2.00	1.57E-01	4.70E-08	1,000,000	4.70E-02
201	8.4549E-06	8.3804E-05	1.05E-03	8.76E-08	2.00	1.57E-01	2.75E-08	1,000,000	2.75E-02
202	8.4549E-06	5.3755E-05	1.05E-03	5.62E-08	2.00	1.57E-01	1.77E-08	1,000,000	1.77E-02
203	8.4549E-06	3.7346E-05	1.05E-03	3.90E-08	2.00	1.57E-01	1.23E-08	1,000,000	1.23E-02
204	8.4549E-06	2.7485E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.03E-09	1,000,000	9.03E-03
205	8.4549E-06	2.1141E-05	1.05E-03	2.21E-08	2.00	1.57E-01	6.94E-09	1,000,000	6.94E-03
206	8.4549E-06	1.6818E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
207	8.4549E-06	1.3744E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
208	8.4549E-06	4.2118E-06	1.05E-03	4.40E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
209	8.4549E-06	4.9689E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
210	8.4549E-06	5.7934E-06	1.05E-03	6.06E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
211	8.4549E-06	7.2227E-06	1.05E-03	7.55E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
212	8.4549E-06	8.9683E-06	1.05E-03	9.37E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.1696E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.84E-09	1,000,000	3.84E-03
214	8.4549E-06	1.6087E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.28E-09	1,000,000	5.28E-03
215	8.4549E-06	2.2289E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.32E-09	1,000,000	7.32E-03
216	8.4549E-06	3.4146E-05	1.05E-03	3.57E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
217	8.4549E-06	5.0591E-05	1.05E-03	5.29E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
218	8.4549E-06	0.00010993	1.05E-03	1.15E-07	2.00	1.57E-01	3.61E-08	1,000,000	3.61E-02
219	8.4549E-06	8.3914E-05	1.05E-03	8.77E-08	2.00	1.57E-01	2.76E-08	1,000,000	2.76E-02
220	8.4549E-06	6.0968E-05	1.05E-03	6.37E-08	2.00	1.57E-01	2.00E-08	1,000,000	2.00E-02
221	8.4549E-06	4.4497E-05	1.05E-03	4.65E-08	2.00	1.57E-01	1.46E-08	1,000,000	1.46E-02
222	8.4549E-06	3.3261E-05	1.05E-03	3.48E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
223	8.4549E-06	2.5586E-05	1.05E-03	2.67E-08	2.00	1.57E-01	8.40E-09	1,000,000	8.40E-03
224	8.4549E-06	2.0223E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.64E-09	1,000,000	6.64E-03
225	8.4549E-06	1.6368E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.38E-09	1,000,000	5.38E-03
226	8.4549E-06	1.3528E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
227	8.4549E-06	3.7909E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
228	8.4549E-06	4.3908E-06	1.05E-03	4.59E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
229	8.4549E-06	5.1444E-06	1.05E-03	5.38E-09	2.00	1.57E-01	1.69E-09	1,000,000	1.69E-03
230	8.4549E-06	6.1878E-06	1.05E-03	6.47E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
231	8.4549E-06	7.6011E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
232	8.4549E-06	9.3374E-06	1.05E-03	9.76E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
233	8.4549E-06	1.2589E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
234	8.4549E-06	1.6814E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
235	8.4549E-06	2.3334E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.67E-09	1,000,000	7.67E-03
236	8.4549E-06	3.2677E-05	1.05E-03	3.42E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
237	8.4549E-06	4.3872E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
238	8.4549E-06	5.5253E-05	1.05E-03	5.78E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
239	8.4549E-06	6.3617E-05	1.05E-03	6.65E-08	2.00	1.57E-01	2.09E-08	1,000,000	2.09E-02
240	8.4549E-06	5.9538E-05	1.05E-03	6.22E-08	2.00	1.57E-01	1.96E-08	1,000,000	1.96E-02
241	8.4549E-06	5.3038E-05	1.05E-03	5.54E-08	2.00	1.57E-01	1.74E-08	1,000,000	1.74E-02
242	8.4549E-06	4.2268E-05	1.05E-03	4.42E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
243	8.4549E-06	3.4455E-05	1.05E-03	3.60E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
244	8.4549E-06	2.7665E-05	1.05E-03	2.89E-08	2.00	1.57E-01	9.09E-09	1,000,000	9.09E-03
245	8.4549E-06	2.2396E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.36E-09	1,000,000	7.36E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	1.8357E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.03E-09	1,000,000	6.03E-03
247	8.4549E-06	1.5251E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03
248	8.4549E-06	1.2843E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
249	8.4549E-06	3.4224E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
250	8.4549E-06	3.9051E-06	1.05E-03	4.08E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
251	8.4549E-06	4.4999E-06	1.05E-03	4.70E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
252	8.4549E-06	5.3628E-06	1.05E-03	5.61E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
253	8.4549E-06	6.4117E-06	1.05E-03	6.70E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
254	8.4549E-06	8.0548E-06	1.05E-03	8.42E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
255	8.4549E-06	9.9533E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
256	8.4549E-06	1.3174E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
257	8.4549E-06	1.662E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.46E-09	1,000,000	5.46E-03
258	8.4549E-06	2.1054E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.92E-09	1,000,000	6.92E-03
259	8.4549E-06	2.7537E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.05E-09	1,000,000	9.05E-03
260	8.4549E-06	3.3505E-05	1.05E-03	3.50E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
261	8.4549E-06	3.7243E-05	1.05E-03	3.89E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
262	8.4549E-06	3.6264E-05	1.05E-03	3.79E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
263	8.4549E-06	3.3013E-05	1.05E-03	3.45E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
264	8.4549E-06	2.9615E-05	1.05E-03	3.10E-08	2.00	1.57E-01	9.73E-09	1,000,000	9.73E-03
265	8.4549E-06	2.6635E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.75E-09	1,000,000	8.75E-03
266	8.4549E-06	2.252E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.40E-09	1,000,000	7.40E-03
267	8.4549E-06	1.8999E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.24E-09	1,000,000	6.24E-03
268	8.4549E-06	1.6117E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
269	8.4549E-06	1.3762E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
270	8.4549E-06	1.1839E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
271	8.4549E-06	3.0351E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.97E-10	1,000,000	9.97E-04
272	8.4549E-06	3.4228E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
273	8.4549E-06	3.9366E-06	1.05E-03	4.11E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
274	8.4549E-06	4.5692E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
275	8.4549E-06	5.3793E-06	1.05E-03	5.62E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
276	8.4549E-06	6.5201E-06	1.05E-03	6.81E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
277	8.4549E-06	7.9357E-06	1.05E-03	8.29E-09	2.00	1.57E-01	2.61E-09	1,000,000	2.61E-03
278	8.4549E-06	9.6022E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	1.1936E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
280	8.4549E-06	1.4745E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
281	8.4549E-06	1.8325E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.02E-09	1,000,000	6.02E-03
282	8.4549E-06	2.2154E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.28E-09	1,000,000	7.28E-03
283	8.4549E-06	2.4041E-05	1.05E-03	2.51E-08	2.00	1.57E-01	7.90E-09	1,000,000	7.90E-03
284	8.4549E-06	2.2212E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.30E-09	1,000,000	7.30E-03
285	8.4549E-06	2.1949E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.21E-09	1,000,000	7.21E-03
286	8.4549E-06	2.064E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.78E-09	1,000,000	6.78E-03
287	8.4549E-06	1.9146E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.29E-09	1,000,000	6.29E-03
288	8.4549E-06	1.7864E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.87E-09	1,000,000	5.87E-03
289	8.4549E-06	1.6243E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
290	8.4549E-06	1.3947E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
291	8.4549E-06	1.219E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
292	8.4549E-06	1.0701E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.52E-09	1,000,000	3.52E-03
293	8.4549E-06	2.7084E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.90E-10	1,000,000	8.90E-04
294	8.4549E-06	3.0429E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
295	8.4549E-06	3.4403E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
296	8.4549E-06	3.8968E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
297	8.4549E-06	4.5567E-06	1.05E-03	4.76E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
298	8.4549E-06	5.3344E-06	1.05E-03	5.58E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
299	8.4549E-06	6.3189E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
300	8.4549E-06	7.6882E-06	1.05E-03	8.04E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
301	8.4549E-06	8.9113E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
302	8.4549E-06	1.0852E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
303	8.4549E-06	1.2884E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.23E-09	1,000,000	4.23E-03
304	8.4549E-06	1.5233E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03
305	8.4549E-06	1.6262E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
306	8.4549E-06	1.5534E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
307	8.4549E-06	1.5117E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.97E-09	1,000,000	4.97E-03
308	8.4549E-06	1.4327E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.71E-09	1,000,000	4.71E-03
309	8.4549E-06	1.4912E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
310	8.4549E-06	1.3803E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
311	8.4549E-06	1.2946E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.25E-09	1,000,000	4.25E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.2045E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.96E-09	1,000,000	3.96E-03
313	8.4549E-06	1.0925E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
314	8.4549E-06	9.9112E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
315	8.4549E-06	2.3725E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.79E-10	1,000,000	7.79E-04
316	8.4549E-06	2.6519E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.71E-10	1,000,000	8.71E-04
317	8.4549E-06	2.9666E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.75E-10	1,000,000	9.75E-04
318	8.4549E-06	3.3261E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
319	8.4549E-06	3.7285E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
320	8.4549E-06	4.4468E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
321	8.4549E-06	5.0914E-06	1.05E-03	5.32E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
322	8.4549E-06	5.9518E-06	1.05E-03	6.22E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
323	8.4549E-06	7.089E-06	1.05E-03	7.41E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
324	8.4549E-06	8.2557E-06	1.05E-03	8.63E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
325	8.4549E-06	9.523E-06	1.05E-03	9.95E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
326	8.4549E-06	1.0896E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.58E-09	1,000,000	3.58E-03
327	8.4549E-06	1.3611E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.47E-09	1,000,000	4.47E-03
328	8.4549E-06	1.1155E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
329	8.4549E-06	1.0905E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.58E-09	1,000,000	3.58E-03
330	8.4549E-06	1.0815E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
331	8.4549E-06	1.0748E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
332	8.4549E-06	1.0649E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
333	8.4549E-06	1.0073E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
334	8.4549E-06	9.9216E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
335	8.4549E-06	9.3911E-06	1.05E-03	9.82E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
336	8.4549E-06	8.8139E-06	1.05E-03	9.21E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
337	8.4549E-06	2.1225E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
338	8.4549E-06	2.337E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04
339	8.4549E-06	2.5591E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.41E-10	1,000,000	8.41E-04
340	8.4549E-06	2.8829E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.47E-10	1,000,000	9.47E-04
341	8.4549E-06	3.1977E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
342	8.4549E-06	3.7324E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
343	8.4549E-06	4.182E-06	1.05E-03	4.37E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
344	8.4549E-06	4.8269E-06	1.05E-03	5.05E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	5.5759E-06	1.05E-03	5.83E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
346	8.4549E-06	6.5163E-06	1.05E-03	6.81E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
347	8.4549E-06	7.2572E-06	1.05E-03	7.59E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
348	8.4549E-06	8.0286E-06	1.05E-03	8.39E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03
349	8.4549E-06	7.8121E-06	1.05E-03	8.17E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
350	8.4549E-06	8.0122E-06	1.05E-03	8.37E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
351	8.4549E-06	8.121E-06	1.05E-03	8.49E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
352	8.4549E-06	7.8352E-06	1.05E-03	8.19E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
353	8.4549E-06	8.1572E-06	1.05E-03	8.53E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
354	8.4549E-06	7.9695E-06	1.05E-03	8.33E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
355	8.4549E-06	7.9767E-06	1.05E-03	8.34E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
356	8.4549E-06	7.9452E-06	1.05E-03	8.30E-09	2.00	1.57E-01	2.61E-09	1,000,000	2.61E-03
357	8.4549E-06	7.6609E-06	1.05E-03	8.01E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
358	8.4549E-06	7.3233E-06	1.05E-03	7.65E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
359	8.4549E-06	1.8668E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
360	8.4549E-06	2.0546E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.75E-10	1,000,000	6.75E-04
361	8.4549E-06	2.2511E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.39E-10	1,000,000	7.39E-04
362	8.4549E-06	2.4764E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.13E-10	1,000,000	8.13E-04
363	8.4549E-06	2.7135E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.91E-10	1,000,000	8.91E-04
364	8.4549E-06	3.0757E-06	1.05E-03	3.21E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
365	8.4549E-06	3.4885E-06	1.05E-03	3.65E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
366	8.4549E-06	3.9868E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
367	8.4549E-06	4.6188E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
368	8.4549E-06	5.1707E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
369	8.4549E-06	5.5937E-06	1.05E-03	5.85E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.84E-03
370	8.4549E-06	5.8419E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
371	8.4549E-06	6.1563E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
372	8.4549E-06	6.295E-06	1.05E-03	6.58E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
373	8.4549E-06	6.1946E-06	1.05E-03	6.47E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
374	8.4549E-06	6.0383E-06	1.05E-03	6.31E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
375	8.4549E-06	6.2249E-06	1.05E-03	6.51E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
376	8.4549E-06	6.1606E-06	1.05E-03	6.44E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
377	8.4549E-06	6.204E-06	1.05E-03	6.48E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	6.4994E-06	1.05E-03	6.79E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
379	8.4549E-06	6.4519E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
380	8.4549E-06	6.1107E-06	1.05E-03	6.39E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
381	8.4549E-06	7.8638E-06	1.05E-03	8.22E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
382	8.4549E-06	8.9865E-06	1.05E-03	9.39E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
383	8.4549E-06	1.0349E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.40E-09	1,000,000	3.40E-03
384	8.4549E-06	1.2006E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03
385	8.4549E-06	1.4019E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.61E-09	1,000,000	4.61E-03
386	8.4549E-06	1.6426E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
387	8.4549E-06	1.9212E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.31E-09	1,000,000	6.31E-03
388	8.4549E-06	2.2275E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.32E-09	1,000,000	7.32E-03
389	8.4549E-06	2.5287E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.31E-09	1,000,000	8.31E-03
390	8.4549E-06	2.7713E-05	1.05E-03	2.90E-08	2.00	1.57E-01	9.10E-09	1,000,000	9.10E-03
391	8.4549E-06	2.892E-05	1.05E-03	3.02E-08	2.00	1.57E-01	9.50E-09	1,000,000	9.50E-03
392	8.4549E-06	2.8538E-05	1.05E-03	2.98E-08	2.00	1.57E-01	9.37E-09	1,000,000	9.37E-03
393	8.4549E-06	2.6669E-05	1.05E-03	2.79E-08	2.00	1.57E-01	8.76E-09	1,000,000	8.76E-03
394	8.4549E-06	2.3898E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.85E-09	1,000,000	7.85E-03
395	8.4549E-06	2.075E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.82E-09	1,000,000	6.82E-03
396	8.4549E-06	1.777E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.84E-09	1,000,000	5.84E-03
397	8.4549E-06	1.516E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.98E-09	1,000,000	4.98E-03
398	8.4549E-06	1.2954E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
399	8.4549E-06	8.3702E-06	1.05E-03	8.75E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
400	8.4549E-06	9.6778E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
401	8.4549E-06	1.1312E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.72E-09	1,000,000	3.72E-03
402	8.4549E-06	1.3382E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.40E-09	1,000,000	4.40E-03
403	8.4549E-06	1.6014E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
404	8.4549E-06	1.9349E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.36E-09	1,000,000	6.36E-03
405	8.4549E-06	2.3527E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.73E-09	1,000,000	7.73E-03
406	8.4549E-06	2.8539E-05	1.05E-03	2.98E-08	2.00	1.57E-01	9.37E-09	1,000,000	9.37E-03
407	8.4549E-06	3.3966E-05	1.05E-03	3.55E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
408	8.4549E-06	3.8779E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
409	8.4549E-06	4.1323E-05	1.05E-03	4.32E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
410	8.4549E-06	4.047E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	3.6738E-05	1.05E-03	3.84E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
412	8.4549E-06	3.1526E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
413	8.4549E-06	2.6141E-05	1.05E-03	2.73E-08	2.00	1.57E-01	8.59E-09	1,000,000	8.59E-03
414	8.4549E-06	2.1481E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.06E-09	1,000,000	7.06E-03
415	8.4549E-06	1.7698E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.81E-09	1,000,000	5.81E-03
416	8.4549E-06	1.4678E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.82E-09	1,000,000	4.82E-03
417	8.4549E-06	8.568E-06	1.05E-03	8.96E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
418	8.4549E-06	1.0274E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
419	8.4549E-06	1.2224E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.02E-09	1,000,000	4.02E-03
420	8.4549E-06	1.4741E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
421	8.4549E-06	1.8107E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.95E-09	1,000,000	5.95E-03
422	8.4549E-06	2.2684E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.45E-09	1,000,000	7.45E-03
423	8.4549E-06	2.8963E-05	1.05E-03	3.03E-08	2.00	1.57E-01	9.51E-09	1,000,000	9.51E-03
424	8.4549E-06	3.7427E-05	1.05E-03	3.91E-08	2.00	1.57E-01	1.23E-08	1,000,000	1.23E-02
425	8.4549E-06	4.7917E-05	1.05E-03	5.01E-08	2.00	1.57E-01	1.57E-08	1,000,000	1.57E-02
426	8.4549E-06	5.8567E-05	1.05E-03	6.12E-08	2.00	1.57E-01	1.92E-08	1,000,000	1.92E-02
427	8.4549E-06	6.4684E-05	1.05E-03	6.76E-08	2.00	1.57E-01	2.12E-08	1,000,000	2.12E-02
428	8.4549E-06	6.2821E-05	1.05E-03	6.57E-08	2.00	1.57E-01	2.06E-08	1,000,000	2.06E-02
429	8.4549E-06	5.4048E-05	1.05E-03	5.65E-08	2.00	1.57E-01	1.78E-08	1,000,000	1.78E-02
430	8.4549E-06	4.3022E-05	1.05E-03	4.50E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
431	8.4549E-06	3.3365E-05	1.05E-03	3.49E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
432	8.4549E-06	2.6006E-05	1.05E-03	2.72E-08	2.00	1.57E-01	8.54E-09	1,000,000	8.54E-03
433	8.4549E-06	2.0687E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.80E-09	1,000,000	6.80E-03
434	8.4549E-06	1.67E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
435	8.4549E-06	8.0844E-06	1.05E-03	8.45E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
436	8.4549E-06	9.8553E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
437	8.4549E-06	1.2592E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
438	8.4549E-06	1.5951E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.24E-09	1,000,000	5.24E-03
439	8.4549E-06	2.007E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.59E-09	1,000,000	6.59E-03
440	8.4549E-06	2.6077E-05	1.05E-03	2.73E-08	2.00	1.57E-01	8.57E-09	1,000,000	8.57E-03
441	8.4549E-06	3.5193E-05	1.05E-03	3.68E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
442	8.4549E-06	4.9495E-05	1.05E-03	5.17E-08	2.00	1.57E-01	1.63E-08	1,000,000	1.63E-02
443	8.4549E-06	7.1529E-05	1.05E-03	7.48E-08	2.00	1.57E-01	2.35E-08	1,000,000	2.35E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	9.9628E-05	1.05E-03	1.04E-07	2.00	1.57E-01	3.27E-08	1,000,000	3.27E-02
445	8.4549E-06	0.00011895	1.05E-03	1.24E-07	2.00	1.57E-01	3.91E-08	1,000,000	3.91E-02
446	8.4549E-06	0.00011302	1.05E-03	1.18E-07	2.00	1.57E-01	3.71E-08	1,000,000	3.71E-02
447	8.4549E-06	8.7333E-05	1.05E-03	9.13E-08	2.00	1.57E-01	2.87E-08	1,000,000	2.87E-02
448	8.4549E-06	6.105E-05	1.05E-03	6.38E-08	2.00	1.57E-01	2.01E-08	1,000,000	2.01E-02
449	8.4549E-06	4.3033E-05	1.05E-03	4.50E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
450	8.4549E-06	3.1525E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
451	8.4549E-06	2.3879E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.84E-09	1,000,000	7.84E-03
452	8.4549E-06	1.8808E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03
453	8.4549E-06	7.7051E-06	1.05E-03	8.05E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
454	8.4549E-06	9.3673E-06	1.05E-03	9.79E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
455	8.4549E-06	1.1988E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03
456	8.4549E-06	1.6068E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.28E-09	1,000,000	5.28E-03
457	8.4549E-06	2.1264E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.99E-09	1,000,000	6.99E-03
458	8.4549E-06	2.8865E-05	1.05E-03	3.02E-08	2.00	1.57E-01	9.48E-09	1,000,000	9.48E-03
459	8.4549E-06	4.104E-05	1.05E-03	4.29E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
460	8.4549E-06	6.3605E-05	1.05E-03	6.65E-08	2.00	1.57E-01	2.09E-08	1,000,000	2.09E-02
461	8.4549E-06	0.00011096	1.05E-03	1.16E-07	2.00	1.57E-01	3.65E-08	1,000,000	3.65E-02
462	8.4549E-06	0.00020873	1.05E-03	2.18E-07	2.00	1.57E-01	6.86E-08	1,000,000	6.86E-02
463	8.4549E-06	0.00030027	1.05E-03	3.14E-07	2.00	1.57E-01	9.86E-08	1,000,000	9.86E-02
464	8.4549E-06	0.00027297	1.05E-03	2.85E-07	2.00	1.57E-01	8.97E-08	1,000,000	8.97E-02
465	8.4549E-06	0.00016257	1.05E-03	1.70E-07	2.00	1.57E-01	5.34E-08	1,000,000	5.34E-02
466	8.4549E-06	8.9554E-05	1.05E-03	9.36E-08	2.00	1.57E-01	2.94E-08	1,000,000	2.94E-02
467	8.4549E-06	5.5389E-05	1.05E-03	5.79E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
468	8.4549E-06	3.7711E-05	1.05E-03	3.94E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
469	8.4549E-06	2.7472E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.02E-09	1,000,000	9.02E-03
470	8.4549E-06	2.1014E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.90E-09	1,000,000	6.90E-03
471	8.4549E-06	7.0331E-06	1.05E-03	7.35E-09	2.00	1.57E-01	2.31E-09	1,000,000	2.31E-03
472	8.4549E-06	8.8861E-06	1.05E-03	9.29E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
473	8.4549E-06	1.1265E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.70E-09	1,000,000	3.70E-03
474	8.4549E-06	1.4379E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.72E-09	1,000,000	4.72E-03
475	8.4549E-06	1.8893E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.21E-09	1,000,000	6.21E-03
476	8.4549E-06	0.00012619	1.05E-03	1.32E-07	2.00	1.57E-01	4.15E-08	1,000,000	4.15E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	6.787E-05	1.05E-03	7.09E-08	2.00	1.57E-01	2.23E-08	1,000,000	2.23E-02
478	8.4549E-06	4.3676E-05	1.05E-03	4.57E-08	2.00	1.57E-01	1.43E-08	1,000,000	1.43E-02
479	8.4549E-06	3.0759E-05	1.05E-03	3.21E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
480	8.4549E-06	2.2991E-05	1.05E-03	2.40E-08	2.00	1.57E-01	7.55E-09	1,000,000	7.55E-03
481	8.4549E-06	6.3909E-06	1.05E-03	6.68E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
482	8.4549E-06	8.0873E-06	1.05E-03	8.45E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
483	8.4549E-06	9.9675E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
484	8.4549E-06	1.2824E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.21E-09	1,000,000	4.21E-03
485	8.4549E-06	1.7784E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.84E-09	1,000,000	5.84E-03
486	8.4549E-06	0.00012607	1.05E-03	1.32E-07	2.00	1.57E-01	4.14E-08	1,000,000	4.14E-02
487	8.4549E-06	7.0911E-05	1.05E-03	7.41E-08	2.00	1.57E-01	2.33E-08	1,000,000	2.33E-02
488	8.4549E-06	4.5722E-05	1.05E-03	4.78E-08	2.00	1.57E-01	1.50E-08	1,000,000	1.50E-02
489	8.4549E-06	3.2217E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
490	8.4549E-06	2.4047E-05	1.05E-03	2.51E-08	2.00	1.57E-01	7.90E-09	1,000,000	7.90E-03
491	8.4549E-06	5.6862E-06	1.05E-03	5.94E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
492	8.4549E-06	6.9951E-06	1.05E-03	7.31E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
493	8.4549E-06	8.5337E-06	1.05E-03	8.92E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
494	8.4549E-06	1.0968E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.60E-09	1,000,000	3.60E-03
495	8.4549E-06	1.4903E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
496	8.4549E-06	4.9887E-05	1.05E-03	5.21E-08	2.00	1.57E-01	1.64E-08	1,000,000	1.64E-02
497	8.4549E-06	7.6755E-05	1.05E-03	8.02E-08	2.00	1.57E-01	2.52E-08	1,000,000	2.52E-02
498	8.4549E-06	0.00013273	1.05E-03	1.39E-07	2.00	1.57E-01	4.36E-08	1,000,000	4.36E-02
499	8.4549E-06	8.8634E-05	1.05E-03	9.26E-08	2.00	1.57E-01	2.91E-08	1,000,000	2.91E-02
500	8.4549E-06	5.9529E-05	1.05E-03	6.22E-08	2.00	1.57E-01	1.96E-08	1,000,000	1.96E-02
501	8.4549E-06	4.1808E-05	1.05E-03	4.37E-08	2.00	1.57E-01	1.37E-08	1,000,000	1.37E-02
502	8.4549E-06	3.0744E-05	1.05E-03	3.21E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
503	8.4549E-06	2.3517E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.73E-09	1,000,000	7.73E-03
504	8.4549E-06	5.059E-06	1.05E-03	5.29E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
505	8.4549E-06	5.9504E-06	1.05E-03	6.22E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
506	8.4549E-06	7.4996E-06	1.05E-03	7.84E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
507	8.4549E-06	9.1669E-06	1.05E-03	9.58E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
508	8.4549E-06	1.2361E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.06E-09	1,000,000	4.06E-03
509	8.4549E-06	1.6458E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.41E-09	1,000,000	5.41E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	2.2763E-05	1.05E-03	2.38E-08	2.00	1.57E-01	7.48E-09	1,000,000	7.48E-03
511	8.4549E-06	3.2915E-05	1.05E-03	3.44E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
512	8.4549E-06	4.8163E-05	1.05E-03	5.03E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
513	8.4549E-06	6.5639E-05	1.05E-03	6.86E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
514	8.4549E-06	8.343E-05	1.05E-03	8.72E-08	2.00	1.57E-01	2.74E-08	1,000,000	2.74E-02
515	8.4549E-06	8.4363E-05	1.05E-03	8.82E-08	2.00	1.57E-01	2.77E-08	1,000,000	2.77E-02
516	8.4549E-06	7.3732E-05	1.05E-03	7.71E-08	2.00	1.57E-01	2.42E-08	1,000,000	2.42E-02
517	8.4549E-06	5.823E-05	1.05E-03	6.09E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
518	8.4549E-06	4.4799E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
519	8.4549E-06	3.4556E-05	1.05E-03	3.61E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
520	8.4549E-06	2.7035E-05	1.05E-03	2.83E-08	2.00	1.57E-01	8.88E-09	1,000,000	8.88E-03
521	8.4549E-06	2.1544E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.08E-09	1,000,000	7.08E-03
522	8.4549E-06	4.4459E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
523	8.4549E-06	5.3153E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
524	8.4549E-06	6.4232E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
525	8.4549E-06	7.82E-06	1.05E-03	8.17E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
526	8.4549E-06	9.4362E-06	1.05E-03	9.86E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
527	8.4549E-06	1.285E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
528	8.4549E-06	1.6864E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.54E-09	1,000,000	5.54E-03
529	8.4549E-06	2.2565E-05	1.05E-03	2.36E-08	2.00	1.57E-01	7.41E-09	1,000,000	7.41E-03
530	8.4549E-06	3.0632E-05	1.05E-03	3.20E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
531	8.4549E-06	3.8556E-05	1.05E-03	4.03E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
532	8.4549E-06	4.4986E-05	1.05E-03	4.70E-08	2.00	1.57E-01	1.48E-08	1,000,000	1.48E-02
533	8.4549E-06	4.9361E-05	1.05E-03	5.16E-08	2.00	1.57E-01	1.62E-08	1,000,000	1.62E-02
534	8.4549E-06	4.4005E-05	1.05E-03	4.60E-08	2.00	1.57E-01	1.45E-08	1,000,000	1.45E-02
535	8.4549E-06	3.8791E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
536	8.4549E-06	3.3062E-05	1.05E-03	3.46E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
537	8.4549E-06	2.75E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.03E-09	1,000,000	9.03E-03
538	8.4549E-06	2.2697E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.46E-09	1,000,000	7.46E-03
539	8.4549E-06	1.8866E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.20E-09	1,000,000	6.20E-03
540	8.4549E-06	3.9161E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
541	8.4549E-06	4.6081E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
542	8.4549E-06	5.4571E-06	1.05E-03	5.70E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	6.5335E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
544	8.4549E-06	8.116E-06	1.05E-03	8.48E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
545	8.4549E-06	9.8662E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
546	8.4549E-06	1.2512E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.11E-09	1,000,000	4.11E-03
547	8.4549E-06	1.5649E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.14E-09	1,000,000	5.14E-03
548	8.4549E-06	2.0168E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.62E-09	1,000,000	6.62E-03
549	8.4549E-06	2.4644E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.10E-09	1,000,000	8.10E-03
550	8.4549E-06	2.8752E-05	1.05E-03	3.01E-08	2.00	1.57E-01	9.44E-09	1,000,000	9.44E-03
551	8.4549E-06	3.4906E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
552	8.4549E-06	2.823E-05	1.05E-03	2.95E-08	2.00	1.57E-01	9.27E-09	1,000,000	9.27E-03
553	8.4549E-06	2.5682E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.44E-09	1,000,000	8.44E-03
554	8.4549E-06	2.3311E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.66E-09	1,000,000	7.66E-03
555	8.4549E-06	2.1956E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.21E-09	1,000,000	7.21E-03
556	8.4549E-06	1.8826E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.18E-09	1,000,000	6.18E-03
557	8.4549E-06	1.6166E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.31E-09	1,000,000	5.31E-03
558	8.4549E-06	3.459E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
559	8.4549E-06	4.0171E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
560	8.4549E-06	4.5837E-06	1.05E-03	4.79E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
561	8.4549E-06	5.4169E-06	1.05E-03	5.66E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
562	8.4549E-06	6.3199E-06	1.05E-03	6.61E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
563	8.4549E-06	7.5701E-06	1.05E-03	7.91E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
564	8.4549E-06	9.4438E-06	1.05E-03	9.87E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
565	8.4549E-06	1.1306E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
566	8.4549E-06	1.4058E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
567	8.4549E-06	1.6618E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.46E-09	1,000,000	5.46E-03
568	8.4549E-06	1.9463E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.39E-09	1,000,000	6.39E-03
569	8.4549E-06	1.8761E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
570	8.4549E-06	1.7894E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.88E-09	1,000,000	5.88E-03
571	8.4549E-06	1.7748E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.83E-09	1,000,000	5.83E-03
572	8.4549E-06	1.7507E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
573	8.4549E-06	1.6266E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
574	8.4549E-06	1.5121E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.97E-09	1,000,000	4.97E-03
575	8.4549E-06	1.3802E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.4549E-06	5.6156E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.2E-03
2	8.4549E-06	6.2064E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
3	8.4549E-06	6.8801E-06	6.05E-04	4.16E-09	14.00	4.71E-02	2.75E-09	1,000,000	2.75E-03
4	8.4549E-06	7.6435E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
5	8.4549E-06	8.5055E-06	6.05E-04	5.15E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
6	8.4549E-06	9.465E-06	6.05E-04	5.73E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
7	8.4549E-06	1.0501E-05	6.05E-04	6.35E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
8	8.4549E-06	1.1586E-05	6.05E-04	7.01E-09	14.00	4.71E-02	4.63E-09	1,000,000	4.63E-03
9	8.4549E-06	1.267E-05	6.05E-04	7.67E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
10	8.4549E-06	1.3656E-05	6.05E-04	8.26E-09	14.00	4.71E-02	5.45E-09	1,000,000	5.45E-03
11	8.4549E-06	1.4438E-05	6.05E-04	8.74E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
12	8.4549E-06	1.4916E-05	6.05E-04	9.03E-09	14.00	4.71E-02	5.96E-09	1,000,000	5.96E-03
13	8.4549E-06	1.5013E-05	6.05E-04	9.08E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
14	8.4549E-06	1.4709E-05	6.05E-04	8.90E-09	14.00	4.71E-02	5.87E-09	1,000,000	5.87E-03
15	8.4549E-06	1.4053E-05	6.05E-04	8.50E-09	14.00	4.71E-02	5.61E-09	1,000,000	5.61E-03
16	8.4549E-06	1.3129E-05	6.05E-04	7.94E-09	14.00	4.71E-02	5.24E-09	1,000,000	5.24E-03
17	8.4549E-06	1.2087E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
18	8.4549E-06	1.0993E-05	6.05E-04	6.65E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
19	8.4549E-06	9.9135E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
20	8.4549E-06	8.9263E-06	6.05E-04	5.40E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
21	8.4549E-06	8.0243E-06	6.05E-04	4.86E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	8.4549E-06	7.2089E-06	6.05E-04	4.36E-09	14.00	4.71E-02	2.88E-09	1,000,000	2.88E-03
23	8.4549E-06	5.987E-06	6.05E-04	3.62E-09	14.00	4.71E-02	2.39E-09	1,000,000	2.39E-03
24	8.4549E-06	6.6754E-06	6.05E-04	4.04E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
25	8.4549E-06	7.4766E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
26	8.4549E-06	8.4091E-06	6.05E-04	5.09E-09	14.00	4.71E-02	3.36E-09	1,000,000	3.36E-03
27	8.4549E-06	9.4889E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
28	8.4549E-06	1.0735E-05	6.05E-04	6.50E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
29	8.4549E-06	1.2129E-05	6.05E-04	7.34E-09	14.00	4.71E-02	4.84E-09	1,000,000	4.84E-03
30	8.4549E-06	1.3662E-05	6.05E-04	8.27E-09	14.00	4.71E-02	5.46E-09	1,000,000	5.46E-03
31	8.4549E-06	1.5242E-05	6.05E-04	9.22E-09	14.00	4.71E-02	6.09E-09	1,000,000	6.09E-03
32	8.4549E-06	1.6746E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.69E-09	1,000,000	6.69E-03
33	8.4549E-06	1.7978E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
34	8.4549E-06	1.8773E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.50E-09	1,000,000	7.50E-03
35	8.4549E-06	1.8956E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.57E-09	1,000,000	7.57E-03
36	8.4549E-06	1.8486E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.38E-09	1,000,000	7.38E-03
37	8.4549E-06	1.7384E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.94E-09	1,000,000	6.94E-03
38	8.4549E-06	1.5962E-05	6.05E-04	9.66E-09	14.00	4.71E-02	6.37E-09	1,000,000	6.37E-03
39	8.4549E-06	1.4419E-05	6.05E-04	8.72E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
40	8.4549E-06	1.2852E-05	6.05E-04	7.78E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
41	8.4549E-06	1.137E-05	6.05E-04	6.88E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03
42	8.4549E-06	1.0039E-05	6.05E-04	6.07E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
43	8.4549E-06	8.8717E-06	6.05E-04	5.37E-09	14.00	4.71E-02	3.54E-09	1,000,000	3.54E-03
44	8.4549E-06	7.9083E-06	6.05E-04	4.79E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
45	8.4549E-06	6.3528E-06	6.05E-04	3.84E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
46	8.4549E-06	7.1472E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
47	8.4549E-06	8.0922E-06	6.05E-04	4.90E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	8.4549E-06	9.221E-06	6.05E-04	5.58E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
49	8.4549E-06	1.057E-05	6.05E-04	6.40E-09	14.00	4.71E-02	4.22E-09	1,000,000	4.22E-03
50	8.4549E-06	1.2178E-05	6.05E-04	7.37E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03
51	8.4549E-06	1.4073E-05	6.05E-04	8.52E-09	14.00	4.71E-02	5.62E-09	1,000,000	5.62E-03
52	8.4549E-06	1.6249E-05	6.05E-04	9.83E-09	14.00	4.71E-02	6.49E-09	1,000,000	6.49E-03
53	8.4549E-06	1.8641E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.44E-09	1,000,000	7.44E-03
54	8.4549E-06	2.1034E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.40E-09	1,000,000	8.40E-03
55	8.4549E-06	2.3119E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.23E-09	1,000,000	9.23E-03
56	8.4549E-06	2.4497E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.78E-09	1,000,000	9.78E-03
57	8.4549E-06	2.4809E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.91E-09	1,000,000	9.91E-03
58	8.4549E-06	2.403E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.60E-09	1,000,000	9.60E-03
59	8.4549E-06	2.2156E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.85E-09	1,000,000	8.85E-03
60	8.4549E-06	1.9825E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.92E-09	1,000,000	7.92E-03
61	8.4549E-06	1.7429E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.96E-09	1,000,000	6.96E-03
62	8.4549E-06	1.5119E-05	6.05E-04	9.15E-09	14.00	4.71E-02	6.04E-09	1,000,000	6.04E-03
63	8.4549E-06	1.3072E-05	6.05E-04	7.91E-09	14.00	4.71E-02	5.22E-09	1,000,000	5.22E-03
64	8.4549E-06	1.1328E-05	6.05E-04	6.85E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
65	8.4549E-06	9.8717E-06	6.05E-04	5.97E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
66	8.4549E-06	8.6569E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
67	8.4549E-06	6.6972E-06	6.05E-04	4.05E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
68	8.4549E-06	7.6013E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
69	8.4549E-06	8.6986E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
70	8.4549E-06	1.0046E-05	6.05E-04	6.08E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
71	8.4549E-06	1.1712E-05	6.05E-04	7.09E-09	14.00	4.71E-02	4.68E-09	1,000,000	4.68E-03
72	8.4549E-06	1.3781E-05	6.05E-04	8.34E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
73	8.4549E-06	1.6346E-05	6.05E-04	9.89E-09	14.00	4.71E-02	6.53E-09	1,000,000	6.53E-03
74	8.4549E-06	1.9472E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.78E-09	1,000,000	7.78E-03
75	8.4549E-06	2.3157E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.25E-09	1,000,000	9.25E-03
76	8.4549E-06	2.7187E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
77	8.4549E-06	3.0999E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
78	8.4549E-06	3.3706E-05	6.05E-04	2.04E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
79	8.4549E-06	3.4295E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
80	8.4549E-06	3.2631E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	8.4549E-06	2.9276E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
82	8.4549E-06	2.5304E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
83	8.4549E-06	2.1343E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.52E-09	1,000,000	8.52E-03
84	8.4549E-06	1.7916E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.15E-09	1,000,000	7.15E-03
85	8.4549E-06	1.499E-05	6.05E-04	9.07E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
86	8.4549E-06	1.2757E-05	6.05E-04	7.72E-09	14.00	4.71E-02	5.09E-09	1,000,000	5.09E-03
87	8.4549E-06	1.0917E-05	6.05E-04	6.61E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
88	8.4549E-06	9.4464E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
89	8.4549E-06	6.9525E-06	6.05E-04	4.21E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
90	8.4549E-06	8.0157E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
91	8.4549E-06	9.2653E-06	6.05E-04	5.61E-09	14.00	4.71E-02	3.70E-09	1,000,000	3.70E-03
92	8.4549E-06	1.0837E-05	6.05E-04	6.56E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
93	8.4549E-06	1.2848E-05	6.05E-04	7.77E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
94	8.4549E-06	1.5465E-05	6.05E-04	9.36E-09	14.00	4.71E-02	6.18E-09	1,000,000	6.18E-03
95	8.4549E-06	1.8889E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.54E-09	1,000,000	7.54E-03
96	8.4549E-06	2.3386E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.34E-09	1,000,000	9.34E-03
97	8.4549E-06	2.9211E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
98	8.4549E-06	3.6308E-05	6.05E-04	2.20E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
99	8.4549E-06	4.3788E-05	6.05E-04	2.65E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
100	8.4549E-06	4.9567E-05	6.05E-04	3.00E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
101	8.4549E-06	5.0993E-05	6.05E-04	3.09E-08	14.00	4.71E-02	2.04E-08	1,000,000	2.04E-02
102	8.4549E-06	4.7319E-05	6.05E-04	2.86E-08	14.00	4.71E-02	1.89E-08	1,000,000	1.89E-02
103	8.4549E-06	4.0461E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.62E-08	1,000,000	1.62E-02
104	8.4549E-06	3.2917E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
105	8.4549E-06	2.6424E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
106	8.4549E-06	2.1258E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.49E-09	1,000,000	8.49E-03
107	8.4549E-06	1.7302E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.91E-09	1,000,000	6.91E-03
108	8.4549E-06	1.4317E-05	6.05E-04	8.66E-09	14.00	4.71E-02	5.72E-09	1,000,000	5.72E-03
109	8.4549E-06	1.2027E-05	6.05E-04	7.28E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
110	8.4549E-06	1.0271E-05	6.05E-04	6.21E-09	14.00	4.71E-02	4.10E-09	1,000,000	4.10E-03
111	8.4549E-06	6.6064E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
112	8.4549E-06	8.0535E-06	6.05E-04	4.87E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
113	8.4549E-06	9.2786E-06	6.05E-04	5.61E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	8.4549E-06	1.101E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
115	8.4549E-06	1.3898E-05	6.05E-04	8.41E-09	14.00	4.71E-02	5.55E-09	1,000,000	5.55E-03
116	8.4549E-06	1.7096E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.83E-09	1,000,000	6.83E-03
117	8.4549E-06	2.1531E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.60E-09	1,000,000	8.60E-03
118	8.4549E-06	2.7858E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
119	8.4549E-06	3.7044E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
120	8.4549E-06	5.0133E-05	6.05E-04	3.03E-08	14.00	4.71E-02	2.00E-08	1,000,000	2.00E-02
121	8.4549E-06	6.677E-05	6.05E-04	4.04E-08	14.00	4.71E-02	2.67E-08	1,000,000	2.67E-02
122	8.4549E-06	8.1588E-05	6.05E-04	4.94E-08	14.00	4.71E-02	3.26E-08	1,000,000	3.26E-02
123	8.4549E-06	8.5637E-05	6.05E-04	5.18E-08	14.00	4.71E-02	3.42E-08	1,000,000	3.42E-02
124	8.4549E-06	7.5762E-05	6.05E-04	4.58E-08	14.00	4.71E-02	3.03E-08	1,000,000	3.03E-02
125	8.4549E-06	5.9169E-05	6.05E-04	3.58E-08	14.00	4.71E-02	2.36E-08	1,000,000	2.36E-02
126	8.4549E-06	4.3909E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
127	8.4549E-06	3.2851E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
128	8.4549E-06	2.5184E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
129	8.4549E-06	1.9804E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.91E-09	1,000,000	7.91E-03
130	8.4549E-06	1.6012E-05	6.05E-04	9.69E-09	14.00	4.71E-02	6.39E-09	1,000,000	6.39E-03
131	8.4549E-06	1.3211E-05	6.05E-04	7.99E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
132	8.4549E-06	1.1125E-05	6.05E-04	6.73E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
133	8.4549E-06	6.2368E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
134	8.4549E-06	7.3168E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
135	8.4549E-06	8.6604E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
136	8.4549E-06	1.085E-05	6.05E-04	6.56E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
137	8.4549E-06	1.459E-05	6.05E-04	8.83E-09	14.00	4.71E-02	5.83E-09	1,000,000	5.83E-03
138	8.4549E-06	1.846E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.37E-09	1,000,000	7.37E-03
139	8.4549E-06	2.3892E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.54E-09	1,000,000	9.54E-03
140	8.4549E-06	3.2259E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
141	8.4549E-06	4.6138E-05	6.05E-04	2.79E-08	14.00	4.71E-02	1.84E-08	1,000,000	1.84E-02
142	8.4549E-06	7.046E-05	6.05E-04	4.26E-08	14.00	4.71E-02	2.81E-08	1,000,000	2.81E-02
143	8.4549E-06	0.00011248	6.05E-04	6.81E-08	14.00	4.71E-02	4.49E-08	1,000,000	4.49E-02
144	8.4549E-06	0.00016325	6.05E-04	9.88E-08	14.00	4.71E-02	6.52E-08	1,000,000	6.52E-02
145	8.4549E-06	0.00017911	6.05E-04	1.08E-07	14.00	4.71E-02	7.15E-08	1,000,000	7.15E-02
146	8.4549E-06	0.00014264	6.05E-04	8.63E-08	14.00	4.71E-02	5.70E-08	1,000,000	5.70E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	8.4549E-06	9.271E-05	6.05E-04	5.61E-08	14.00	4.71E-02	3.70E-08	1,000,000	3.70E-02
148	8.4549E-06	5.9542E-05	6.05E-04	3.60E-08	14.00	4.71E-02	2.38E-08	1,000,000	2.38E-02
149	8.4549E-06	4.0833E-05	6.05E-04	2.47E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
150	8.4549E-06	2.9597E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
151	8.4549E-06	2.2493E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.98E-09	1,000,000	8.98E-03
152	8.4549E-06	1.7771E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.10E-09	1,000,000	7.10E-03
153	8.4549E-06	1.4426E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
154	8.4549E-06	1.1985E-05	6.05E-04	7.25E-09	14.00	4.71E-02	4.79E-09	1,000,000	4.79E-03
155	8.4549E-06	5.5035E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
156	8.4549E-06	6.6062E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
157	8.4549E-06	8.2822E-06	6.05E-04	5.01E-09	14.00	4.71E-02	3.31E-09	1,000,000	3.31E-03
158	8.4549E-06	1.0079E-05	6.05E-04	6.10E-09	14.00	4.71E-02	4.03E-09	1,000,000	4.03E-03
159	8.4549E-06	1.2966E-05	6.05E-04	7.85E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
160	8.4549E-06	1.702E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.80E-09	1,000,000	6.80E-03
161	8.4549E-06	2.3876E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.53E-09	1,000,000	9.53E-03
162	8.4549E-06	3.536E-05	6.05E-04	2.14E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
163	8.4549E-06	5.3821E-05	6.05E-04	3.26E-08	14.00	4.71E-02	2.15E-08	1,000,000	2.15E-02
164	8.4549E-06	9.4125E-05	6.05E-04	5.70E-08	14.00	4.71E-02	3.76E-08	1,000,000	3.76E-02
165	8.4549E-06	0.00021276	6.05E-04	1.29E-07	14.00	4.71E-02	8.50E-08	1,000,000	8.50E-02
166	8.4549E-06	0.00052399	6.05E-04	3.17E-07	14.00	4.71E-02	2.09E-07	1,000,000	2.09E-01
167	8.4549E-06	0.00062795	6.05E-04	3.80E-07	14.00	4.71E-02	2.51E-07	1,000,000	2.51E-01
168	8.4549E-06	0.0003905	6.05E-04	2.36E-07	14.00	4.71E-02	1.56E-07	1,000,000	1.56E-01
169	8.4549E-06	0.00015551	6.05E-04	9.41E-08	14.00	4.71E-02	6.21E-08	1,000,000	6.21E-02
170	8.4549E-06	8.0204E-05	6.05E-04	4.85E-08	14.00	4.71E-02	3.20E-08	1,000,000	3.20E-02
171	8.4549E-06	4.9622E-05	6.05E-04	3.00E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
172	8.4549E-06	3.4271E-05	6.05E-04	2.07E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
173	8.4549E-06	2.5237E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
174	8.4549E-06	1.9496E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.79E-09	1,000,000	7.79E-03
175	8.4549E-06	1.5607E-05	6.05E-04	9.44E-09	14.00	4.71E-02	6.23E-09	1,000,000	6.23E-03
176	8.4549E-06	1.2819E-05	6.05E-04	7.76E-09	14.00	4.71E-02	5.12E-09	1,000,000	5.12E-03
177	8.4549E-06	5.1195E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
178	8.4549E-06	6.2267E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
179	8.4549E-06	7.858E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	8.4549E-06	9.9202E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
181	8.4549E-06	1.2592E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
182	8.4549E-06	1.6223E-05	6.05E-04	9.82E-09	14.00	4.71E-02	6.48E-09	1,000,000	6.48E-03
183	8.4549E-06	2.2022E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.79E-09	1,000,000	8.79E-03
184	8.4549E-06	0.00020882	6.05E-04	1.26E-07	14.00	4.71E-02	8.34E-08	1,000,000	8.34E-02
185	8.4549E-06	9.4744E-05	6.05E-04	5.73E-08	14.00	4.71E-02	3.78E-08	1,000,000	3.78E-02
186	8.4549E-06	5.6152E-05	6.05E-04	3.40E-08	14.00	4.71E-02	2.24E-08	1,000,000	2.24E-02
187	8.4549E-06	3.7643E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
188	8.4549E-06	2.7249E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
189	8.4549E-06	2.0809E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.31E-09	1,000,000	8.31E-03
190	8.4549E-06	1.6501E-05	6.05E-04	9.98E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
191	8.4549E-06	1.3458E-05	6.05E-04	8.14E-09	14.00	4.71E-02	5.37E-09	1,000,000	5.37E-03
192	8.4549E-06	4.6428E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
193	8.4549E-06	5.5254E-06	6.05E-04	3.34E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
194	8.4549E-06	6.8571E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
195	8.4549E-06	8.5917E-06	6.05E-04	5.20E-09	14.00	4.71E-02	3.43E-09	1,000,000	3.43E-03
196	8.4549E-06	1.116E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
197	8.4549E-06	1.425E-05	6.05E-04	8.62E-09	14.00	4.71E-02	5.69E-09	1,000,000	5.69E-03
198	8.4549E-06	1.9522E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.80E-09	1,000,000	7.80E-03
199	8.4549E-06	7.4383E-05	6.05E-04	4.50E-08	14.00	4.71E-02	2.97E-08	1,000,000	2.97E-02
200	8.4549E-06	0.00014308	6.05E-04	8.66E-08	14.00	4.71E-02	5.71E-08	1,000,000	5.71E-02
201	8.4549E-06	8.3804E-05	6.05E-04	5.07E-08	14.00	4.71E-02	3.35E-08	1,000,000	3.35E-02
202	8.4549E-06	5.3755E-05	6.05E-04	3.25E-08	14.00	4.71E-02	2.15E-08	1,000,000	2.15E-02
203	8.4549E-06	3.7346E-05	6.05E-04	2.26E-08	14.00	4.71E-02	1.49E-08	1,000,000	1.49E-02
204	8.4549E-06	2.7485E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
205	8.4549E-06	2.1141E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.44E-09	1,000,000	8.44E-03
206	8.4549E-06	1.6818E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
207	8.4549E-06	1.3744E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
208	8.4549E-06	4.2118E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
209	8.4549E-06	4.9689E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
210	8.4549E-06	5.7934E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
211	8.4549E-06	7.2227E-06	6.05E-04	4.37E-09	14.00	4.71E-02	2.88E-09	1,000,000	2.88E-03
212	8.4549E-06	8.9683E-06	6.05E-04	5.43E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	8.4549E-06	1.1696E-05	6.05E-04	7.08E-09	14.00	4.71E-02	4.67E-09	1,000,000	4.67E-03
214	8.4549E-06	1.6087E-05	6.05E-04	9.73E-09	14.00	4.71E-02	6.42E-09	1,000,000	6.42E-03
215	8.4549E-06	2.2289E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.90E-09	1,000,000	8.90E-03
216	8.4549E-06	3.4146E-05	6.05E-04	2.07E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
217	8.4549E-06	5.0591E-05	6.05E-04	3.06E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
218	8.4549E-06	0.00010993	6.05E-04	6.65E-08	14.00	4.71E-02	4.39E-08	1,000,000	4.39E-02
219	8.4549E-06	8.3914E-05	6.05E-04	5.08E-08	14.00	4.71E-02	3.35E-08	1,000,000	3.35E-02
220	8.4549E-06	6.0968E-05	6.05E-04	3.69E-08	14.00	4.71E-02	2.43E-08	1,000,000	2.43E-02
221	8.4549E-06	4.4497E-05	6.05E-04	2.69E-08	14.00	4.71E-02	1.78E-08	1,000,000	1.78E-02
222	8.4549E-06	3.3261E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
223	8.4549E-06	2.5586E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
224	8.4549E-06	2.0223E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.08E-09	1,000,000	8.08E-03
225	8.4549E-06	1.6368E-05	6.05E-04	9.90E-09	14.00	4.71E-02	6.54E-09	1,000,000	6.54E-03
226	8.4549E-06	1.3528E-05	6.05E-04	8.19E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03
227	8.4549E-06	3.7909E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
228	8.4549E-06	4.3908E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
229	8.4549E-06	5.1444E-06	6.05E-04	3.11E-09	14.00	4.71E-02	2.05E-09	1,000,000	2.05E-03
230	8.4549E-06	6.1878E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
231	8.4549E-06	7.6011E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.04E-09	1,000,000	3.04E-03
232	8.4549E-06	9.3374E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
233	8.4549E-06	1.2589E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
234	8.4549E-06	1.6814E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.71E-09	1,000,000	6.71E-03
235	8.4549E-06	2.3334E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.32E-09	1,000,000	9.32E-03
236	8.4549E-06	3.2677E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
237	8.4549E-06	4.3872E-05	6.05E-04	2.65E-08	14.00	4.71E-02	1.75E-08	1,000,000	1.75E-02
238	8.4549E-06	5.5253E-05	6.05E-04	3.34E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
239	8.4549E-06	6.3617E-05	6.05E-04	3.85E-08	14.00	4.71E-02	2.54E-08	1,000,000	2.54E-02
240	8.4549E-06	5.9538E-05	6.05E-04	3.60E-08	14.00	4.71E-02	2.38E-08	1,000,000	2.38E-02
241	8.4549E-06	5.3038E-05	6.05E-04	3.21E-08	14.00	4.71E-02	2.12E-08	1,000,000	2.12E-02
242	8.4549E-06	4.2268E-05	6.05E-04	2.56E-08	14.00	4.71E-02	1.69E-08	1,000,000	1.69E-02
243	8.4549E-06	3.4455E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
244	8.4549E-06	2.7665E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
245	8.4549E-06	2.2396E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	8.4549E-06	1.8357E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.33E-09	1,000,000	7.33E-03
247	8.4549E-06	1.5251E-05	6.05E-04	9.23E-09	14.00	4.71E-02	6.09E-09	1,000,000	6.09E-03
248	8.4549E-06	1.2843E-05	6.05E-04	7.77E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
249	8.4549E-06	3.4224E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
250	8.4549E-06	3.9051E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
251	8.4549E-06	4.4999E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
252	8.4549E-06	5.3628E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
253	8.4549E-06	6.4117E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
254	8.4549E-06	8.0548E-06	6.05E-04	4.87E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
255	8.4549E-06	9.9533E-06	6.05E-04	6.02E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
256	8.4549E-06	1.3174E-05	6.05E-04	7.97E-09	14.00	4.71E-02	5.26E-09	1,000,000	5.26E-03
257	8.4549E-06	1.662E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.64E-09	1,000,000	6.64E-03
258	8.4549E-06	2.1054E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.41E-09	1,000,000	8.41E-03
259	8.4549E-06	2.7537E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
260	8.4549E-06	3.3505E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
261	8.4549E-06	3.7243E-05	6.05E-04	2.25E-08	14.00	4.71E-02	1.49E-08	1,000,000	1.49E-02
262	8.4549E-06	3.6264E-05	6.05E-04	2.19E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
263	8.4549E-06	3.3013E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
264	8.4549E-06	2.9615E-05	6.05E-04	1.79E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
265	8.4549E-06	2.6635E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
266	8.4549E-06	2.252E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.99E-09	1,000,000	8.99E-03
267	8.4549E-06	1.8999E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.59E-09	1,000,000	7.59E-03
268	8.4549E-06	1.6117E-05	6.05E-04	9.75E-09	14.00	4.71E-02	6.44E-09	1,000,000	6.44E-03
269	8.4549E-06	1.3762E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
270	8.4549E-06	1.1839E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.73E-09	1,000,000	4.73E-03
271	8.4549E-06	3.0351E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
272	8.4549E-06	3.4228E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
273	8.4549E-06	3.9366E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
274	8.4549E-06	4.5692E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
275	8.4549E-06	5.3793E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
276	8.4549E-06	6.5201E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
277	8.4549E-06	7.9357E-06	6.05E-04	4.80E-09	14.00	4.71E-02	3.17E-09	1,000,000	3.17E-03
278	8.4549E-06	9.6022E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	8.4549E-06	1.1936E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
280	8.4549E-06	1.4745E-05	6.05E-04	8.92E-09	14.00	4.71E-02	5.89E-09	1,000,000	5.89E-03
281	8.4549E-06	1.8325E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.32E-09	1,000,000	7.32E-03
282	8.4549E-06	2.2154E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.85E-09	1,000,000	8.85E-03
283	8.4549E-06	2.4041E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.60E-09	1,000,000	9.60E-03
284	8.4549E-06	2.2212E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.87E-09	1,000,000	8.87E-03
285	8.4549E-06	2.1949E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.77E-09	1,000,000	8.77E-03
286	8.4549E-06	2.064E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.24E-09	1,000,000	8.24E-03
287	8.4549E-06	1.9146E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.65E-09	1,000,000	7.65E-03
288	8.4549E-06	1.7864E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.13E-09	1,000,000	7.13E-03
289	8.4549E-06	1.6243E-05	6.05E-04	9.83E-09	14.00	4.71E-02	6.49E-09	1,000,000	6.49E-03
290	8.4549E-06	1.3947E-05	6.05E-04	8.44E-09	14.00	4.71E-02	5.57E-09	1,000,000	5.57E-03
291	8.4549E-06	1.219E-05	6.05E-04	7.38E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
292	8.4549E-06	1.0701E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
293	8.4549E-06	2.7084E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
294	8.4549E-06	3.0429E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
295	8.4549E-06	3.4403E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
296	8.4549E-06	3.8968E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
297	8.4549E-06	4.5567E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
298	8.4549E-06	5.3344E-06	6.05E-04	3.23E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
299	8.4549E-06	6.3189E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
300	8.4549E-06	7.6882E-06	6.05E-04	4.65E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03
301	8.4549E-06	8.9113E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
302	8.4549E-06	1.0852E-05	6.05E-04	6.57E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
303	8.4549E-06	1.2884E-05	6.05E-04	7.80E-09	14.00	4.71E-02	5.15E-09	1,000,000	5.15E-03
304	8.4549E-06	1.5233E-05	6.05E-04	9.22E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03
305	8.4549E-06	1.6262E-05	6.05E-04	9.84E-09	14.00	4.71E-02	6.49E-09	1,000,000	6.49E-03
306	8.4549E-06	1.5534E-05	6.05E-04	9.40E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
307	8.4549E-06	1.5117E-05	6.05E-04	9.15E-09	14.00	4.71E-02	6.04E-09	1,000,000	6.04E-03
308	8.4549E-06	1.4327E-05	6.05E-04	8.67E-09	14.00	4.71E-02	5.72E-09	1,000,000	5.72E-03
309	8.4549E-06	1.4912E-05	6.05E-04	9.02E-09	14.00	4.71E-02	5.96E-09	1,000,000	5.96E-03
310	8.4549E-06	1.3803E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
311	8.4549E-06	1.2946E-05	6.05E-04	7.83E-09	14.00	4.71E-02	5.17E-09	1,000,000	5.17E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	8.4549E-06	1.2045E-05	6.05E-04	7.29E-09	14.00	4.71E-02	4.81E-09	1,000,000	4.81E-03
313	8.4549E-06	1.0925E-05	6.05E-04	6.61E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
314	8.4549E-06	9.9112E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
315	8.4549E-06	2.3725E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.47E-10	1,000,000	9.47E-04
316	8.4549E-06	2.6519E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
317	8.4549E-06	2.9666E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
318	8.4549E-06	3.3261E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
319	8.4549E-06	3.7285E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
320	8.4549E-06	4.4468E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
321	8.4549E-06	5.0914E-06	6.05E-04	3.08E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
322	8.4549E-06	5.9518E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
323	8.4549E-06	7.089E-06	6.05E-04	4.29E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
324	8.4549E-06	8.2557E-06	6.05E-04	5.00E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
325	8.4549E-06	9.523E-06	6.05E-04	5.76E-09	14.00	4.71E-02	3.80E-09	1,000,000	3.80E-03
326	8.4549E-06	1.0896E-05	6.05E-04	6.59E-09	14.00	4.71E-02	4.35E-09	1,000,000	4.35E-03
327	8.4549E-06	1.3611E-05	6.05E-04	8.24E-09	14.00	4.71E-02	5.44E-09	1,000,000	5.44E-03
328	8.4549E-06	1.1155E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
329	8.4549E-06	1.0905E-05	6.05E-04	6.60E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
330	8.4549E-06	1.0815E-05	6.05E-04	6.54E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
331	8.4549E-06	1.0748E-05	6.05E-04	6.50E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
332	8.4549E-06	1.0649E-05	6.05E-04	6.44E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
333	8.4549E-06	1.0073E-05	6.05E-04	6.09E-09	14.00	4.71E-02	4.02E-09	1,000,000	4.02E-03
334	8.4549E-06	9.9216E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
335	8.4549E-06	9.3911E-06	6.05E-04	5.68E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
336	8.4549E-06	8.8139E-06	6.05E-04	5.33E-09	14.00	4.71E-02	3.52E-09	1,000,000	3.52E-03
337	8.4549E-06	2.1225E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.48E-10	1,000,000	8.48E-04
338	8.4549E-06	2.337E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.33E-10	1,000,000	9.33E-04
339	8.4549E-06	2.5591E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
340	8.4549E-06	2.8829E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
341	8.4549E-06	3.1977E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
342	8.4549E-06	3.7324E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
343	8.4549E-06	4.182E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
344	8.4549E-06	4.8269E-06	6.05E-04	2.92E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	8.4549E-06	5.5759E-06	6.05E-04	3.37E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
346	8.4549E-06	6.5163E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
347	8.4549E-06	7.2572E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
348	8.4549E-06	8.0286E-06	6.05E-04	4.86E-09	14.00	4.71E-02	3.21E-09	1,000,000	3.21E-03
349	8.4549E-06	7.8121E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
350	8.4549E-06	8.0122E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
351	8.4549E-06	8.121E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
352	8.4549E-06	7.8352E-06	6.05E-04	4.74E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
353	8.4549E-06	8.1572E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
354	8.4549E-06	7.9695E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
355	8.4549E-06	7.9767E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
356	8.4549E-06	7.9452E-06	6.05E-04	4.81E-09	14.00	4.71E-02	3.17E-09	1,000,000	3.17E-03
357	8.4549E-06	7.6609E-06	6.05E-04	4.64E-09	14.00	4.71E-02	3.06E-09	1,000,000	3.06E-03
358	8.4549E-06	7.3233E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
359	8.4549E-06	1.8668E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.45E-10	1,000,000	7.45E-04
360	8.4549E-06	2.0546E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.21E-10	1,000,000	8.21E-04
361	8.4549E-06	2.2511E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.99E-10	1,000,000	8.99E-04
362	8.4549E-06	2.4764E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.89E-10	1,000,000	9.89E-04
363	8.4549E-06	2.7135E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
364	8.4549E-06	3.0757E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
365	8.4549E-06	3.4885E-06	6.05E-04	2.11E-09	14.00	4.71E-02	1.39E-09	1,000,000	1.39E-03
366	8.4549E-06	3.9868E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
367	8.4549E-06	4.6188E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
368	8.4549E-06	5.1707E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
369	8.4549E-06	5.5937E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
370	8.4549E-06	5.8419E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
371	8.4549E-06	6.1563E-06	6.05E-04	3.73E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
372	8.4549E-06	6.295E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
373	8.4549E-06	6.1946E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
374	8.4549E-06	6.0383E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
375	8.4549E-06	6.2249E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
376	8.4549E-06	6.1606E-06	6.05E-04	3.73E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
377	8.4549E-06	6.204E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	8.4549E-06	6.4994E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
379	8.4549E-06	6.4519E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
380	8.4549E-06	6.1107E-06	6.05E-04	3.70E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
381	8.4549E-06	7.8638E-06	6.05E-04	4.76E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03
382	8.4549E-06	8.9865E-06	6.05E-04	5.44E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
383	8.4549E-06	1.0349E-05	6.05E-04	6.26E-09	14.00	4.71E-02	4.13E-09	1,000,000	4.13E-03
384	8.4549E-06	1.2006E-05	6.05E-04	7.26E-09	14.00	4.71E-02	4.79E-09	1,000,000	4.79E-03
385	8.4549E-06	1.4019E-05	6.05E-04	8.48E-09	14.00	4.71E-02	5.60E-09	1,000,000	5.60E-03
386	8.4549E-06	1.6426E-05	6.05E-04	9.94E-09	14.00	4.71E-02	6.56E-09	1,000,000	6.56E-03
387	8.4549E-06	1.9212E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.67E-09	1,000,000	7.67E-03
388	8.4549E-06	2.2275E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.90E-09	1,000,000	8.90E-03
389	8.4549E-06	2.5287E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
390	8.4549E-06	2.7713E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
391	8.4549E-06	2.892E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
392	8.4549E-06	2.8538E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
393	8.4549E-06	2.6669E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
394	8.4549E-06	2.3898E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.54E-09	1,000,000	9.54E-03
395	8.4549E-06	2.075E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.29E-09	1,000,000	8.29E-03
396	8.4549E-06	1.777E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.10E-09	1,000,000	7.10E-03
397	8.4549E-06	1.516E-05	6.05E-04	9.17E-09	14.00	4.71E-02	6.05E-09	1,000,000	6.05E-03
398	8.4549E-06	1.2954E-05	6.05E-04	7.84E-09	14.00	4.71E-02	5.17E-09	1,000,000	5.17E-03
399	8.4549E-06	8.3702E-06	6.05E-04	5.06E-09	14.00	4.71E-02	3.34E-09	1,000,000	3.34E-03
400	8.4549E-06	9.6778E-06	6.05E-04	5.86E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
401	8.4549E-06	1.1312E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
402	8.4549E-06	1.3382E-05	6.05E-04	8.10E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
403	8.4549E-06	1.6014E-05	6.05E-04	9.69E-09	14.00	4.71E-02	6.40E-09	1,000,000	6.40E-03
404	8.4549E-06	1.9349E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.73E-09	1,000,000	7.73E-03
405	8.4549E-06	2.3527E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.40E-09	1,000,000	9.40E-03
406	8.4549E-06	2.8539E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
407	8.4549E-06	3.3966E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
408	8.4549E-06	3.8779E-05	6.05E-04	2.35E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
409	8.4549E-06	4.1323E-05	6.05E-04	2.50E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
410	8.4549E-06	4.047E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.62E-08	1,000,000	1.62E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	8.4549E-06	3.6738E-05	6.05E-04	2.22E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
412	8.4549E-06	3.1526E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
413	8.4549E-06	2.6141E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
414	8.4549E-06	2.1481E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.58E-09	1,000,000	8.58E-03
415	8.4549E-06	1.7698E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.07E-09	1,000,000	7.07E-03
416	8.4549E-06	1.4678E-05	6.05E-04	8.88E-09	14.00	4.71E-02	5.86E-09	1,000,000	5.86E-03
417	8.4549E-06	8.568E-06	6.05E-04	5.18E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
418	8.4549E-06	1.0274E-05	6.05E-04	6.22E-09	14.00	4.71E-02	4.10E-09	1,000,000	4.10E-03
419	8.4549E-06	1.2224E-05	6.05E-04	7.40E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
420	8.4549E-06	1.4741E-05	6.05E-04	8.92E-09	14.00	4.71E-02	5.89E-09	1,000,000	5.89E-03
421	8.4549E-06	1.8107E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.23E-09	1,000,000	7.23E-03
422	8.4549E-06	2.2684E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.06E-09	1,000,000	9.06E-03
423	8.4549E-06	2.8963E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
424	8.4549E-06	3.7427E-05	6.05E-04	2.26E-08	14.00	4.71E-02	1.49E-08	1,000,000	1.49E-02
425	8.4549E-06	4.7917E-05	6.05E-04	2.90E-08	14.00	4.71E-02	1.91E-08	1,000,000	1.91E-02
426	8.4549E-06	5.8567E-05	6.05E-04	3.54E-08	14.00	4.71E-02	2.34E-08	1,000,000	2.34E-02
427	8.4549E-06	6.4684E-05	6.05E-04	3.91E-08	14.00	4.71E-02	2.58E-08	1,000,000	2.58E-02
428	8.4549E-06	6.2821E-05	6.05E-04	3.80E-08	14.00	4.71E-02	2.51E-08	1,000,000	2.51E-02
429	8.4549E-06	5.4048E-05	6.05E-04	3.27E-08	14.00	4.71E-02	2.16E-08	1,000,000	2.16E-02
430	8.4549E-06	4.3022E-05	6.05E-04	2.60E-08	14.00	4.71E-02	1.72E-08	1,000,000	1.72E-02
431	8.4549E-06	3.3365E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
432	8.4549E-06	2.6006E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
433	8.4549E-06	2.0687E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.26E-09	1,000,000	8.26E-03
434	8.4549E-06	1.67E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.67E-09	1,000,000	6.67E-03
435	8.4549E-06	8.0844E-06	6.05E-04	4.89E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
436	8.4549E-06	9.8553E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
437	8.4549E-06	1.2592E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
438	8.4549E-06	1.5951E-05	6.05E-04	9.65E-09	14.00	4.71E-02	6.37E-09	1,000,000	6.37E-03
439	8.4549E-06	2.007E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.01E-09	1,000,000	8.01E-03
440	8.4549E-06	2.6077E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
441	8.4549E-06	3.5193E-05	6.05E-04	2.13E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
442	8.4549E-06	4.9495E-05	6.05E-04	2.99E-08	14.00	4.71E-02	1.98E-08	1,000,000	1.98E-02
443	8.4549E-06	7.1529E-05	6.05E-04	4.33E-08	14.00	4.71E-02	2.86E-08	1,000,000	2.86E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	8.4549E-06	9.9628E-05	6.05E-04	6.03E-08	14.00	4.71E-02	3.98E-08	1,000,000	3.98E-02
445	8.4549E-06	0.00011895	6.05E-04	7.20E-08	14.00	4.71E-02	4.75E-08	1,000,000	4.75E-02
446	8.4549E-06	0.00011302	6.05E-04	6.84E-08	14.00	4.71E-02	4.51E-08	1,000,000	4.51E-02
447	8.4549E-06	8.7333E-05	6.05E-04	5.28E-08	14.00	4.71E-02	3.49E-08	1,000,000	3.49E-02
448	8.4549E-06	6.105E-05	6.05E-04	3.69E-08	14.00	4.71E-02	2.44E-08	1,000,000	2.44E-02
449	8.4549E-06	4.3033E-05	6.05E-04	2.60E-08	14.00	4.71E-02	1.72E-08	1,000,000	1.72E-02
450	8.4549E-06	3.1525E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
451	8.4549E-06	2.3879E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.54E-09	1,000,000	9.54E-03
452	8.4549E-06	1.8808E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.51E-09	1,000,000	7.51E-03
453	8.4549E-06	7.7051E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
454	8.4549E-06	9.3673E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
455	8.4549E-06	1.1988E-05	6.05E-04	7.25E-09	14.00	4.71E-02	4.79E-09	1,000,000	4.79E-03
456	8.4549E-06	1.6068E-05	6.05E-04	9.72E-09	14.00	4.71E-02	6.42E-09	1,000,000	6.42E-03
457	8.4549E-06	2.1264E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.49E-09	1,000,000	8.49E-03
458	8.4549E-06	2.8865E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
459	8.4549E-06	4.104E-05	6.05E-04	2.48E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
460	8.4549E-06	6.3605E-05	6.05E-04	3.85E-08	14.00	4.71E-02	2.54E-08	1,000,000	2.54E-02
461	8.4549E-06	0.00011096	6.05E-04	6.71E-08	14.00	4.71E-02	4.43E-08	1,000,000	4.43E-02
462	8.4549E-06	0.00020873	6.05E-04	1.26E-07	14.00	4.71E-02	8.34E-08	1,000,000	8.34E-02
463	8.4549E-06	0.00030027	6.05E-04	1.82E-07	14.00	4.71E-02	1.20E-07	1,000,000	1.20E-01
464	8.4549E-06	0.00027297	6.05E-04	1.65E-07	14.00	4.71E-02	1.09E-07	1,000,000	1.09E-01
465	8.4549E-06	0.00016257	6.05E-04	9.84E-08	14.00	4.71E-02	6.49E-08	1,000,000	6.49E-02
466	8.4549E-06	8.9554E-05	6.05E-04	5.42E-08	14.00	4.71E-02	3.58E-08	1,000,000	3.58E-02
467	8.4549E-06	5.5389E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
468	8.4549E-06	3.7711E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
469	8.4549E-06	2.7472E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
470	8.4549E-06	2.1014E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.39E-09	1,000,000	8.39E-03
471	8.4549E-06	7.0331E-06	6.05E-04	4.26E-09	14.00	4.71E-02	2.81E-09	1,000,000	2.81E-03
472	8.4549E-06	8.8861E-06	6.05E-04	5.38E-09	14.00	4.71E-02	3.55E-09	1,000,000	3.55E-03
473	8.4549E-06	1.1265E-05	6.05E-04	6.82E-09	14.00	4.71E-02	4.50E-09	1,000,000	4.50E-03
474	8.4549E-06	1.4379E-05	6.05E-04	8.70E-09	14.00	4.71E-02	5.74E-09	1,000,000	5.74E-03
475	8.4549E-06	1.8893E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.54E-09	1,000,000	7.54E-03
476	8.4549E-06	0.00012619	6.05E-04	7.64E-08	14.00	4.71E-02	5.04E-08	1,000,000	5.04E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	8.4549E-06	6.787E-05	6.05E-04	4.11E-08	14.00	4.71E-02	2.71E-08	1,000,000	2.71E-02
478	8.4549E-06	4.3676E-05	6.05E-04	2.64E-08	14.00	4.71E-02	1.74E-08	1,000,000	1.74E-02
479	8.4549E-06	3.0759E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
480	8.4549E-06	2.2991E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.18E-09	1,000,000	9.18E-03
481	8.4549E-06	6.3909E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
482	8.4549E-06	8.0873E-06	6.05E-04	4.89E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
483	8.4549E-06	9.9675E-06	6.05E-04	6.03E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
484	8.4549E-06	1.2824E-05	6.05E-04	7.76E-09	14.00	4.71E-02	5.12E-09	1,000,000	5.12E-03
485	8.4549E-06	1.7784E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.10E-09	1,000,000	7.10E-03
486	8.4549E-06	0.00012607	6.05E-04	7.63E-08	14.00	4.71E-02	5.03E-08	1,000,000	5.03E-02
487	8.4549E-06	7.0911E-05	6.05E-04	4.29E-08	14.00	4.71E-02	2.83E-08	1,000,000	2.83E-02
488	8.4549E-06	4.5722E-05	6.05E-04	2.77E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
489	8.4549E-06	3.2217E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
490	8.4549E-06	2.4047E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.60E-09	1,000,000	9.60E-03
491	8.4549E-06	5.6862E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
492	8.4549E-06	6.9951E-06	6.05E-04	4.23E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
493	8.4549E-06	8.5337E-06	6.05E-04	5.16E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
494	8.4549E-06	1.0968E-05	6.05E-04	6.64E-09	14.00	4.71E-02	4.38E-09	1,000,000	4.38E-03
495	8.4549E-06	1.4903E-05	6.05E-04	9.02E-09	14.00	4.71E-02	5.95E-09	1,000,000	5.95E-03
496	8.4549E-06	4.9887E-05	6.05E-04	3.02E-08	14.00	4.71E-02	1.99E-08	1,000,000	1.99E-02
497	8.4549E-06	7.6755E-05	6.05E-04	4.64E-08	14.00	4.71E-02	3.07E-08	1,000,000	3.07E-02
498	8.4549E-06	0.00013273	6.05E-04	8.03E-08	14.00	4.71E-02	5.30E-08	1,000,000	5.30E-02
499	8.4549E-06	8.8634E-05	6.05E-04	5.36E-08	14.00	4.71E-02	3.54E-08	1,000,000	3.54E-02
500	8.4549E-06	5.9529E-05	6.05E-04	3.60E-08	14.00	4.71E-02	2.38E-08	1,000,000	2.38E-02
501	8.4549E-06	4.1808E-05	6.05E-04	2.53E-08	14.00	4.71E-02	1.67E-08	1,000,000	1.67E-02
502	8.4549E-06	3.0744E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
503	8.4549E-06	2.3517E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.39E-09	1,000,000	9.39E-03
504	8.4549E-06	5.059E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
505	8.4549E-06	5.9504E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
506	8.4549E-06	7.4996E-06	6.05E-04	4.54E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
507	8.4549E-06	9.1669E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
508	8.4549E-06	1.2361E-05	6.05E-04	7.48E-09	14.00	4.71E-02	4.94E-09	1,000,000	4.94E-03
509	8.4549E-06	1.6458E-05	6.05E-04	9.96E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	8.4549E-06	2.2763E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.09E-09	1,000,000	9.09E-03
511	8.4549E-06	3.2915E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
512	8.4549E-06	4.8163E-05	6.05E-04	2.91E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
513	8.4549E-06	6.5639E-05	6.05E-04	3.97E-08	14.00	4.71E-02	2.62E-08	1,000,000	2.62E-02
514	8.4549E-06	8.343E-05	6.05E-04	5.05E-08	14.00	4.71E-02	3.33E-08	1,000,000	3.33E-02
515	8.4549E-06	8.4363E-05	6.05E-04	5.10E-08	14.00	4.71E-02	3.37E-08	1,000,000	3.37E-02
516	8.4549E-06	7.3732E-05	6.05E-04	4.46E-08	14.00	4.71E-02	2.94E-08	1,000,000	2.94E-02
517	8.4549E-06	5.823E-05	6.05E-04	3.52E-08	14.00	4.71E-02	2.33E-08	1,000,000	2.33E-02
518	8.4549E-06	4.4799E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
519	8.4549E-06	3.4556E-05	6.05E-04	2.09E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
520	8.4549E-06	2.7035E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
521	8.4549E-06	2.1544E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.60E-09	1,000,000	8.60E-03
522	8.4549E-06	4.4459E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
523	8.4549E-06	5.3153E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
524	8.4549E-06	6.4232E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
525	8.4549E-06	7.82E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
526	8.4549E-06	9.4362E-06	6.05E-04	5.71E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
527	8.4549E-06	1.285E-05	6.05E-04	7.78E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
528	8.4549E-06	1.6864E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.73E-09	1,000,000	6.73E-03
529	8.4549E-06	2.2565E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.01E-09	1,000,000	9.01E-03
530	8.4549E-06	3.0632E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
531	8.4549E-06	3.8556E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
532	8.4549E-06	4.4986E-05	6.05E-04	2.72E-08	14.00	4.71E-02	1.80E-08	1,000,000	1.80E-02
533	8.4549E-06	4.9361E-05	6.05E-04	2.99E-08	14.00	4.71E-02	1.97E-08	1,000,000	1.97E-02
534	8.4549E-06	4.4005E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
535	8.4549E-06	3.8791E-05	6.05E-04	2.35E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
536	8.4549E-06	3.3062E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
537	8.4549E-06	2.75E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
538	8.4549E-06	2.2697E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.06E-09	1,000,000	9.06E-03
539	8.4549E-06	1.8866E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.53E-09	1,000,000	7.53E-03
540	8.4549E-06	3.9161E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
541	8.4549E-06	4.6081E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
542	8.4549E-06	5.4571E-06	6.05E-04	3.30E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	8.4549E-06	6.5335E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
544	8.4549E-06	8.116E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
545	8.4549E-06	9.8662E-06	6.05E-04	5.97E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
546	8.4549E-06	1.2512E-05	6.05E-04	7.57E-09	14.00	4.71E-02	5.00E-09	1,000,000	5.00E-03
547	8.4549E-06	1.5649E-05	6.05E-04	9.47E-09	14.00	4.71E-02	6.25E-09	1,000,000	6.25E-03
548	8.4549E-06	2.0168E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.05E-09	1,000,000	8.05E-03
549	8.4549E-06	2.4644E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.84E-09	1,000,000	9.84E-03
550	8.4549E-06	2.8752E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
551	8.4549E-06	3.4906E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
552	8.4549E-06	2.823E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
553	8.4549E-06	2.5682E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
554	8.4549E-06	2.3311E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.31E-09	1,000,000	9.31E-03
555	8.4549E-06	2.1956E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.77E-09	1,000,000	8.77E-03
556	8.4549E-06	1.8826E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.52E-09	1,000,000	7.52E-03
557	8.4549E-06	1.6166E-05	6.05E-04	9.78E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
558	8.4549E-06	3.459E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
559	8.4549E-06	4.0171E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
560	8.4549E-06	4.5837E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
561	8.4549E-06	5.4169E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
562	8.4549E-06	6.3199E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
563	8.4549E-06	7.5701E-06	6.05E-04	4.58E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
564	8.4549E-06	9.4438E-06	6.05E-04	5.71E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
565	8.4549E-06	1.1306E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
566	8.4549E-06	1.4058E-05	6.05E-04	8.51E-09	14.00	4.71E-02	5.61E-09	1,000,000	5.61E-03
567	8.4549E-06	1.6618E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.64E-09	1,000,000	6.64E-03
568	8.4549E-06	1.9463E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.77E-09	1,000,000	7.77E-03
569	8.4549E-06	1.8761E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.49E-09	1,000,000	7.49E-03
570	8.4549E-06	1.7894E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.15E-09	1,000,000	7.15E-03
571	8.4549E-06	1.7748E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.09E-09	1,000,000	7.09E-03
572	8.4549E-06	1.7507E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.99E-09	1,000,000	6.99E-03
573	8.4549E-06	1.6266E-05	6.05E-04	9.84E-09	14.00	4.71E-02	6.50E-09	1,000,000	6.50E-03
574	8.4549E-06	1.5121E-05	6.05E-04	9.15E-09	14.00	4.71E-02	6.04E-09	1,000,000	6.04E-03
575	8.4549E-06	1.3802E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	8.45E-06	5.6156E-06	2.50E-04	1.41E-09	1.40E+01	1.57E-02	3.09E-10	1.0E+06	3.1E-04	4.5E-03	Res	0.500	167
2	8.4549E-06	6.2064E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
3	8.4549E-06	6.8801E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.79E-10	1,000,000	3.79E-04	5.5E-03			
4	8.4549E-06	7.6435E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.1E-03			
5	8.4549E-06	8.5055E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.68E-10	1,000,000	4.68E-04	6.8E-03			
6	8.4549E-06	9.465E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.5E-03			
7	8.4549E-06	1.0501E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			
8	8.4549E-06	1.1586E-05	2.50E-04	2.90E-09	14.00	1.57E-02	6.38E-10	1,000,000	6.38E-04	9.2E-03			
9	8.4549E-06	1.267E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.98E-10	1,000,000	6.98E-04	1.0E-02			
10	8.4549E-06	1.3656E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.52E-10	1,000,000	7.52E-04	1.1E-02			
11	8.4549E-06	1.4438E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.95E-10	1,000,000	7.95E-04	1.1E-02			
12	8.4549E-06	1.4916E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.2E-02			
13	8.4549E-06	1.5013E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
14	8.4549E-06	1.4709E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.10E-10	1,000,000	8.10E-04	1.2E-02			
15	8.4549E-06	1.4053E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
16	8.4549E-06	1.3129E-05	2.50E-04	3.29E-09	14.00	1.57E-02	7.23E-10	1,000,000	7.23E-04	1.0E-02			
17	8.4549E-06	1.2087E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.65E-10	1,000,000	6.65E-04	9.6E-03			
18	8.4549E-06	1.0993E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.8E-03			
19	8.4549E-06	9.9135E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
20	8.4549E-06	8.9263E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
21	8.4549E-06	8.0243E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.42E-10	1,000,000	4.42E-04	6.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
22	8.4549E-06	7.2089E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.97E-10	1,000,000	3.97E-04	5.7E-03			
23	8.4549E-06	5.987E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.30E-10	1,000,000	3.30E-04	4.8E-03			
24	8.4549E-06	6.6754E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.68E-10	1,000,000	3.68E-04	5.3E-03			
25	8.4549E-06	7.4766E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
26	8.4549E-06	8.4091E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.63E-10	1,000,000	4.63E-04	6.7E-03			
27	8.4549E-06	9.4889E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.6E-03			
28	8.4549E-06	1.0735E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.91E-10	1,000,000	5.91E-04	8.6E-03			
29	8.4549E-06	1.2129E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.68E-10	1,000,000	6.68E-04	9.7E-03			
30	8.4549E-06	1.3662E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.52E-10	1,000,000	7.52E-04	1.1E-02			
31	8.4549E-06	1.5242E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.2E-02			
32	8.4549E-06	1.6746E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.22E-10	1,000,000	9.22E-04	1.3E-02			
33	8.4549E-06	1.7978E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.4E-02			
34	8.4549E-06	1.8773E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
35	8.4549E-06	1.8956E-05	2.50E-04	4.74E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
36	8.4549E-06	1.8486E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
37	8.4549E-06	1.7384E-05	2.50E-04	4.35E-09	14.00	1.57E-02	9.57E-10	1,000,000	9.57E-04	1.4E-02			
38	8.4549E-06	1.5962E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.79E-10	1,000,000	8.79E-04	1.3E-02			
39	8.4549E-06	1.4419E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
40	8.4549E-06	1.2852E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.08E-10	1,000,000	7.08E-04	1.0E-02			
41	8.4549E-06	1.137E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.26E-10	1,000,000	6.26E-04	9.1E-03			
42	8.4549E-06	1.0039E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.53E-10	1,000,000	5.53E-04	8.0E-03			
43	8.4549E-06	8.8717E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.88E-10	1,000,000	4.88E-04	7.1E-03			
44	8.4549E-06	7.9083E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.35E-10	1,000,000	4.35E-04	6.3E-03			
45	8.4549E-06	6.3528E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.50E-10	1,000,000	3.50E-04	5.1E-03			
46	8.4549E-06	7.1472E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.7E-03			
47	8.4549E-06	8.0922E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.46E-10	1,000,000	4.46E-04	6.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
48	8.4549E-06	9.221E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.3E-03			
49	8.4549E-06	1.057E-05	2.50E-04	2.65E-09	14.00	1.57E-02	5.82E-10	1,000,000	5.82E-04	8.4E-03			
50	8.4549E-06	1.2178E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
51	8.4549E-06	1.4073E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.75E-10	1,000,000	7.75E-04	1.1E-02			
52	8.4549E-06	1.6249E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.95E-10	1,000,000	8.95E-04	1.3E-02			
53	8.4549E-06	1.8641E-05	2.50E-04	4.67E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
54	8.4549E-06	2.1034E-05	2.50E-04	5.26E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
55	8.4549E-06	2.3119E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
56	8.4549E-06	2.4497E-05	2.50E-04	6.13E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
57	8.4549E-06	2.4809E-05	2.50E-04	6.21E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
58	8.4549E-06	2.403E-05	2.50E-04	6.01E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
59	8.4549E-06	2.2156E-05	2.50E-04	5.55E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
60	8.4549E-06	1.9825E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
61	8.4549E-06	1.7429E-05	2.50E-04	4.36E-09	14.00	1.57E-02	9.60E-10	1,000,000	9.60E-04	1.4E-02			
62	8.4549E-06	1.5119E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.32E-10	1,000,000	8.32E-04	1.2E-02			
63	8.4549E-06	1.3072E-05	2.50E-04	3.27E-09	14.00	1.57E-02	7.20E-10	1,000,000	7.20E-04	1.0E-02			
64	8.4549E-06	1.1328E-05	2.50E-04	2.84E-09	14.00	1.57E-02	6.24E-10	1,000,000	6.24E-04	9.0E-03			
65	8.4549E-06	9.8717E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.44E-10	1,000,000	5.44E-04	7.9E-03			
66	8.4549E-06	8.6569E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
67	8.4549E-06	6.6972E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
68	8.4549E-06	7.6013E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.19E-10	1,000,000	4.19E-04	6.1E-03			
69	8.4549E-06	8.6986E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			
70	8.4549E-06	1.0046E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.53E-10	1,000,000	5.53E-04	8.0E-03			
71	8.4549E-06	1.1712E-05	2.50E-04	2.93E-09	14.00	1.57E-02	6.45E-10	1,000,000	6.45E-04	9.3E-03			
72	8.4549E-06	1.3781E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.59E-10	1,000,000	7.59E-04	1.1E-02			
73	8.4549E-06	1.6346E-05	2.50E-04	4.09E-09	14.00	1.57E-02	9.00E-10	1,000,000	9.00E-04	1.3E-02			
74	8.4549E-06	1.9472E-05	2.50E-04	4.87E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
75	8.4549E-06	2.3157E-05	2.50E-04	5.80E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.8E-02			
76	8.4549E-06	2.7187E-05	2.50E-04	6.80E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
77	8.4549E-06	3.0999E-05	2.50E-04	7.76E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
78	8.4549E-06	3.3706E-05	2.50E-04	8.44E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
79	8.4549E-06	3.4295E-05	2.50E-04	8.58E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.7E-02			
80	8.4549E-06	3.2631E-05	2.50E-04	8.17E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
81	8.4549E-06	2.9276E-05	2.50E-04	7.33E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
82	8.4549E-06	2.5304E-05	2.50E-04	6.33E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
83	8.4549E-06	2.1343E-05	2.50E-04	5.34E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
84	8.4549E-06	1.7916E-05	2.50E-04	4.48E-09	14.00	1.57E-02	9.86E-10	1,000,000	9.86E-04	1.4E-02			
85	8.4549E-06	1.499E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.25E-10	1,000,000	8.25E-04	1.2E-02			
86	8.4549E-06	1.2757E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.02E-10	1,000,000	7.02E-04	1.0E-02			
87	8.4549E-06	1.0917E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.01E-10	1,000,000	6.01E-04	8.7E-03			
88	8.4549E-06	9.4464E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.5E-03			
89	8.4549E-06	6.9525E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.5E-03			
90	8.4549E-06	8.0157E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
91	8.4549E-06	9.2653E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.10E-10	1,000,000	5.10E-04	7.4E-03			
92	8.4549E-06	1.0837E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.97E-10	1,000,000	5.97E-04	8.6E-03			
93	8.4549E-06	1.2848E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.0E-02			
94	8.4549E-06	1.5465E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.51E-10	1,000,000	8.51E-04	1.2E-02			
95	8.4549E-06	1.8889E-05	2.50E-04	4.73E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
96	8.4549E-06	2.3386E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
97	8.4549E-06	2.9211E-05	2.50E-04	7.31E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
98	8.4549E-06	3.6308E-05	2.50E-04	9.09E-09	14.00	1.57E-02	2.00E-09	1,000,000	2.00E-03	2.9E-02			
99	8.4549E-06	4.3788E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.41E-09	1,000,000	2.41E-03	3.5E-02			
100	8.4549E-06	4.9567E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	3.9E-02			
101	8.4549E-06	5.0993E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.81E-09	1,000,000	2.81E-03	4.1E-02			
102	8.4549E-06	4.7319E-05	2.50E-04	1.18E-08	14.00	1.57E-02	2.61E-09	1,000,000	2.61E-03	3.8E-02			
103	8.4549E-06	4.0461E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			
104	8.4549E-06	3.2917E-05	2.50E-04	8.24E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02			
105	8.4549E-06	2.6424E-05	2.50E-04	6.61E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
106	8.4549E-06	2.1258E-05	2.50E-04	5.32E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
107	8.4549E-06	1.7302E-05	2.50E-04	4.33E-09	14.00	1.57E-02	9.53E-10	1,000,000	9.53E-04	1.4E-02			
108	8.4549E-06	1.4317E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.88E-10	1,000,000	7.88E-04	1.1E-02			
109	8.4549E-06	1.2027E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
110	8.4549E-06	1.0271E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
111	8.4549E-06	6.6064E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
112	8.4549E-06	8.0535E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.4E-03			
113	8.4549E-06	9.2786E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.11E-10	1,000,000	5.11E-04	7.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
114	8.4549E-06	1.101E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.8E-03			
115	8.4549E-06	1.3898E-05	2.50E-04	3.48E-09	14.00	1.57E-02	7.65E-10	1,000,000	7.65E-04	1.1E-02			
116	8.4549E-06	1.7096E-05	2.50E-04	4.28E-09	14.00	1.57E-02	9.41E-10	1,000,000	9.41E-04	1.4E-02			
117	8.4549E-06	2.1531E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
118	8.4549E-06	2.7858E-05	2.50E-04	6.97E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
119	8.4549E-06	3.7044E-05	2.50E-04	9.27E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	3.0E-02			
120	8.4549E-06	5.0133E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.76E-09	1,000,000	2.76E-03	4.0E-02			
121	8.4549E-06	6.677E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.68E-09	1,000,000	3.68E-03	5.3E-02			
122	8.4549E-06	8.1588E-05	2.50E-04	2.04E-08	14.00	1.57E-02	4.49E-09	1,000,000	4.49E-03	6.5E-02			
123	8.4549E-06	8.5637E-05	2.50E-04	2.14E-08	14.00	1.57E-02	4.72E-09	1,000,000	4.72E-03	6.8E-02			
124	8.4549E-06	7.5762E-05	2.50E-04	1.90E-08	14.00	1.57E-02	4.17E-09	1,000,000	4.17E-03	6.0E-02			
125	8.4549E-06	5.9169E-05	2.50E-04	1.48E-08	14.00	1.57E-02	3.26E-09	1,000,000	3.26E-03	4.7E-02			
126	8.4549E-06	4.3909E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02			
127	8.4549E-06	3.2851E-05	2.50E-04	8.22E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02			
128	8.4549E-06	2.5184E-05	2.50E-04	6.30E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
129	8.4549E-06	1.9804E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
130	8.4549E-06	1.6012E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.82E-10	1,000,000	8.82E-04	1.3E-02			
131	8.4549E-06	1.3211E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.27E-10	1,000,000	7.27E-04	1.1E-02			
132	8.4549E-06	1.1125E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.13E-10	1,000,000	6.13E-04	8.9E-03			
133	8.4549E-06	6.2368E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
134	8.4549E-06	7.3168E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
135	8.4549E-06	8.6604E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
136	8.4549E-06	1.085E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.97E-10	1,000,000	5.97E-04	8.6E-03			
137	8.4549E-06	1.459E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.2E-02			
138	8.4549E-06	1.846E-05	2.50E-04	4.62E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
139	8.4549E-06	2.3892E-05	2.50E-04	5.98E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
140	8.4549E-06	3.2259E-05	2.50E-04	8.07E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
141	8.4549E-06	4.6138E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.54E-09	1,000,000	2.54E-03	3.7E-02			
142	8.4549E-06	7.046E-05	2.50E-04	1.76E-08	14.00	1.57E-02	3.88E-09	1,000,000	3.88E-03	5.6E-02			
143	8.4549E-06	0.00011248	2.50E-04	2.81E-08	14.00	1.57E-02	6.19E-09	1,000,000	6.19E-03	9.0E-02			
144	8.4549E-06	0.00016325	2.50E-04	4.09E-08	14.00	1.57E-02	8.99E-09	1,000,000	8.99E-03	1.3E-01			
145	8.4549E-06	0.00017911	2.50E-04	4.48E-08	14.00	1.57E-02	9.86E-09	1,000,000	9.86E-03	1.4E-01			
146	8.4549E-06	0.00014264	2.50E-04	3.57E-08	14.00	1.57E-02	7.85E-09	1,000,000	7.85E-03	1.1E-01			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
147	8.4549E-06	9.271E-05	2.50E-04	2.32E-08	14.00	1.57E-02	5.10E-09	1,000,000	5.10E-03	7.4E-02			
148	8.4549E-06	5.9542E-05	2.50E-04	1.49E-08	14.00	1.57E-02	3.28E-09	1,000,000	3.28E-03	4.7E-02			
149	8.4549E-06	4.0833E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.25E-09	1,000,000	2.25E-03	3.3E-02			
150	8.4549E-06	2.9597E-05	2.50E-04	7.41E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.4E-02			
151	8.4549E-06	2.2493E-05	2.50E-04	5.63E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
152	8.4549E-06	1.7771E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.78E-10	1,000,000	9.78E-04	1.4E-02			
153	8.4549E-06	1.4426E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
154	8.4549E-06	1.1985E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.60E-10	1,000,000	6.60E-04	9.5E-03			
155	8.4549E-06	5.5035E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
156	8.4549E-06	6.6062E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
157	8.4549E-06	8.2822E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.56E-10	1,000,000	4.56E-04	6.6E-03			
158	8.4549E-06	1.0079E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.55E-10	1,000,000	5.55E-04	8.0E-03			
159	8.4549E-06	1.2966E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.14E-10	1,000,000	7.14E-04	1.0E-02			
160	8.4549E-06	1.702E-05	2.50E-04	4.26E-09	14.00	1.57E-02	9.37E-10	1,000,000	9.37E-04	1.4E-02			
161	8.4549E-06	2.3876E-05	2.50E-04	5.98E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
162	8.4549E-06	3.536E-05	2.50E-04	8.85E-09	14.00	1.57E-02	1.95E-09	1,000,000	1.95E-03	2.8E-02			
163	8.4549E-06	5.3821E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.96E-09	1,000,000	2.96E-03	4.3E-02			
164	8.4549E-06	9.4125E-05	2.50E-04	2.36E-08	14.00	1.57E-02	5.18E-09	1,000,000	5.18E-03	7.5E-02			
165	8.4549E-06	0.00021276	2.50E-04	5.32E-08	14.00	1.57E-02	1.17E-08	1,000,000	1.17E-02	1.7E-01			
166	8.4549E-06	0.00052399	2.50E-04	1.31E-07	14.00	1.57E-02	2.89E-08	1,000,000	2.89E-02	4.2E-01			
167	8.4549E-06	0.00062795	2.50E-04	1.57E-07	14.00	1.57E-02	3.46E-08	1,000,000	3.46E-02	5.0E-01			
168	8.4549E-06	0.0003905	2.50E-04	9.77E-08	14.00	1.57E-02	2.15E-08	1,000,000	2.15E-02	3.1E-01			
169	8.4549E-06	0.00015551	2.50E-04	3.89E-08	14.00	1.57E-02	8.56E-09	1,000,000	8.56E-03	1.2E-01			
170	8.4549E-06	8.0204E-05	2.50E-04	2.01E-08	14.00	1.57E-02	4.42E-09	1,000,000	4.42E-03	6.4E-02			
171	8.4549E-06	4.9622E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	4.0E-02			
172	8.4549E-06	3.4271E-05	2.50E-04	8.58E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.7E-02			
173	8.4549E-06	2.5237E-05	2.50E-04	6.32E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
174	8.4549E-06	1.9496E-05	2.50E-04	4.88E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
175	8.4549E-06	1.5607E-05	2.50E-04	3.91E-09	14.00	1.57E-02	8.59E-10	1,000,000	8.59E-04	1.2E-02			
176	8.4549E-06	1.2819E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.06E-10	1,000,000	7.06E-04	1.0E-02			
177	8.4549E-06	5.1195E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
178	8.4549E-06	6.2267E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
179	8.4549E-06	7.858E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
180	8.4549E-06	9.9202E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
181	8.4549E-06	1.2592E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
182	8.4549E-06	1.6223E-05	2.50E-04	4.06E-09	14.00	1.57E-02	8.93E-10	1,000,000	8.93E-04	1.3E-02			
183	8.4549E-06	2.2022E-05	2.50E-04	5.51E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
184	8.4549E-06	0.00020882	2.50E-04	5.23E-08	14.00	1.57E-02	1.15E-08	1,000,000	1.15E-02	1.7E-01			
185	8.4549E-06	9.4744E-05	2.50E-04	2.37E-08	14.00	1.57E-02	5.22E-09	1,000,000	5.22E-03	7.5E-02			
186	8.4549E-06	5.6152E-05	2.50E-04	1.41E-08	14.00	1.57E-02	3.09E-09	1,000,000	3.09E-03	4.5E-02			
187	8.4549E-06	3.7643E-05	2.50E-04	9.42E-09	14.00	1.57E-02	2.07E-09	1,000,000	2.07E-03	3.0E-02			
188	8.4549E-06	2.7249E-05	2.50E-04	6.82E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
189	8.4549E-06	2.0809E-05	2.50E-04	5.21E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
190	8.4549E-06	1.6501E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.09E-10	1,000,000	9.09E-04	1.3E-02			
191	8.4549E-06	1.3458E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.41E-10	1,000,000	7.41E-04	1.1E-02			
192	8.4549E-06	4.6428E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
193	8.4549E-06	5.5254E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.04E-10	1,000,000	3.04E-04	4.4E-03			
194	8.4549E-06	6.8571E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.5E-03			
195	8.4549E-06	8.5917E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.73E-10	1,000,000	4.73E-04	6.8E-03			
196	8.4549E-06	1.116E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.9E-03			
197	8.4549E-06	1.425E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.85E-10	1,000,000	7.85E-04	1.1E-02			
198	8.4549E-06	1.9522E-05	2.50E-04	4.89E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
199	8.4549E-06	7.4383E-05	2.50E-04	1.86E-08	14.00	1.57E-02	4.10E-09	1,000,000	4.10E-03	5.9E-02			
200	8.4549E-06	0.00014308	2.50E-04	3.58E-08	14.00	1.57E-02	7.88E-09	1,000,000	7.88E-03	1.1E-01			
201	8.4549E-06	8.3804E-05	2.50E-04	2.10E-08	14.00	1.57E-02	4.61E-09	1,000,000	4.61E-03	6.7E-02			
202	8.4549E-06	5.3755E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.96E-09	1,000,000	2.96E-03	4.3E-02			
203	8.4549E-06	3.7346E-05	2.50E-04	9.35E-09	14.00	1.57E-02	2.06E-09	1,000,000	2.06E-03	3.0E-02			
204	8.4549E-06	2.7485E-05	2.50E-04	6.88E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
205	8.4549E-06	2.1141E-05	2.50E-04	5.29E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
206	8.4549E-06	1.6818E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.3E-02			
207	8.4549E-06	1.3744E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.1E-02			
208	8.4549E-06	4.2118E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
209	8.4549E-06	4.9689E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.74E-10	1,000,000	2.74E-04	4.0E-03			
210	8.4549E-06	5.7934E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.19E-10	1,000,000	3.19E-04	4.6E-03			
211	8.4549E-06	7.2227E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.98E-10	1,000,000	3.98E-04	5.8E-03			
212	8.4549E-06	8.9683E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.94E-10	1,000,000	4.94E-04	7.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
213	8.4549E-06	1.1696E-05	2.50E-04	2.93E-09	14.00	1.57E-02	6.44E-10	1,000,000	6.44E-04	9.3E-03			
214	8.4549E-06	1.6087E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.86E-10	1,000,000	8.86E-04	1.3E-02			
215	8.4549E-06	2.2289E-05	2.50E-04	5.58E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
216	8.4549E-06	3.4146E-05	2.50E-04	8.55E-09	14.00	1.57E-02	1.88E-09	1,000,000	1.88E-03	2.7E-02			
217	8.4549E-06	5.0591E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
218	8.4549E-06	0.00010993	2.50E-04	2.75E-08	14.00	1.57E-02	6.05E-09	1,000,000	6.05E-03	8.8E-02			
219	8.4549E-06	8.3914E-05	2.50E-04	2.10E-08	14.00	1.57E-02	4.62E-09	1,000,000	4.62E-03	6.7E-02			
220	8.4549E-06	6.0968E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.36E-09	1,000,000	3.36E-03	4.9E-02			
221	8.4549E-06	4.4497E-05	2.50E-04	1.11E-08	14.00	1.57E-02	2.45E-09	1,000,000	2.45E-03	3.5E-02			
222	8.4549E-06	3.3261E-05	2.50E-04	8.32E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.6E-02			
223	8.4549E-06	2.5586E-05	2.50E-04	6.40E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
224	8.4549E-06	2.0223E-05	2.50E-04	5.06E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
225	8.4549E-06	1.6368E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.01E-10	1,000,000	9.01E-04	1.3E-02			
226	8.4549E-06	1.3528E-05	2.50E-04	3.39E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.1E-02			
227	8.4549E-06	3.7909E-06	2.50E-04	9.49E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
228	8.4549E-06	4.3908E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
229	8.4549E-06	5.1444E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.83E-10	1,000,000	2.83E-04	4.1E-03			
230	8.4549E-06	6.1878E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
231	8.4549E-06	7.6011E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.19E-10	1,000,000	4.19E-04	6.1E-03			
232	8.4549E-06	9.3374E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
233	8.4549E-06	1.2589E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
234	8.4549E-06	1.6814E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.3E-02			
235	8.4549E-06	2.3334E-05	2.50E-04	5.84E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
236	8.4549E-06	3.2677E-05	2.50E-04	8.18E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
237	8.4549E-06	4.3872E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02			
238	8.4549E-06	5.5253E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.04E-09	1,000,000	3.04E-03	4.4E-02			
239	8.4549E-06	6.3617E-05	2.50E-04	1.59E-08	14.00	1.57E-02	3.50E-09	1,000,000	3.50E-03	5.1E-02			
240	8.4549E-06	5.9538E-05	2.50E-04	1.49E-08	14.00	1.57E-02	3.28E-09	1,000,000	3.28E-03	4.7E-02			
241	8.4549E-06	5.3038E-05	2.50E-04	1.33E-08	14.00	1.57E-02	2.92E-09	1,000,000	2.92E-03	4.2E-02			
242	8.4549E-06	4.2268E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.33E-09	1,000,000	2.33E-03	3.4E-02			
243	8.4549E-06	3.4455E-05	2.50E-04	8.62E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.7E-02			
244	8.4549E-06	2.7665E-05	2.50E-04	6.92E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
245	8.4549E-06	2.2396E-05	2.50E-04	5.61E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
246	8.4549E-06	1.8357E-05	2.50E-04	4.59E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
247	8.4549E-06	1.5251E-05	2.50E-04	3.82E-09	14.00	1.57E-02	8.40E-10	1,000,000	8.40E-04	1.2E-02			
248	8.4549E-06	1.2843E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.0E-02			
249	8.4549E-06	3.4224E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
250	8.4549E-06	3.9051E-06	2.50E-04	9.77E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
251	8.4549E-06	4.4999E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.48E-10	1,000,000	2.48E-04	3.6E-03			
252	8.4549E-06	5.3628E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
253	8.4549E-06	6.4117E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
254	8.4549E-06	8.0548E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.4E-03			
255	8.4549E-06	9.9533E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.48E-10	1,000,000	5.48E-04	7.9E-03			
256	8.4549E-06	1.3174E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.25E-10	1,000,000	7.25E-04	1.0E-02			
257	8.4549E-06	1.662E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.15E-10	1,000,000	9.15E-04	1.3E-02			
258	8.4549E-06	2.1054E-05	2.50E-04	5.27E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
259	8.4549E-06	2.7537E-05	2.50E-04	6.89E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
260	8.4549E-06	3.3505E-05	2.50E-04	8.39E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
261	8.4549E-06	3.7243E-05	2.50E-04	9.32E-09	14.00	1.57E-02	2.05E-09	1,000,000	2.05E-03	3.0E-02			
262	8.4549E-06	3.6264E-05	2.50E-04	9.08E-09	14.00	1.57E-02	2.00E-09	1,000,000	2.00E-03	2.9E-02			
263	8.4549E-06	3.3013E-05	2.50E-04	8.26E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
264	8.4549E-06	2.9615E-05	2.50E-04	7.41E-09	14.00	1.57E-02	1.63E-09	1,000,000	1.63E-03	2.4E-02			
265	8.4549E-06	2.6635E-05	2.50E-04	6.67E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
266	8.4549E-06	2.252E-05	2.50E-04	5.64E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
267	8.4549E-06	1.8999E-05	2.50E-04	4.75E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
268	8.4549E-06	1.6117E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.87E-10	1,000,000	8.87E-04	1.3E-02			
269	8.4549E-06	1.3762E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
270	8.4549E-06	1.1839E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.52E-10	1,000,000	6.52E-04	9.4E-03			
271	8.4549E-06	3.0351E-06	2.50E-04	7.60E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
272	8.4549E-06	3.4228E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
273	8.4549E-06	3.9366E-06	2.50E-04	9.85E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
274	8.4549E-06	4.5692E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
275	8.4549E-06	5.3793E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
276	8.4549E-06	6.5201E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			
277	8.4549E-06	7.9357E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.37E-10	1,000,000	4.37E-04	6.3E-03			
278	8.4549E-06	9.6022E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
279	8.4549E-06	1.1936E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.5E-03			
280	8.4549E-06	1.4745E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.12E-10	1,000,000	8.12E-04	1.2E-02			
281	8.4549E-06	1.8325E-05	2.50E-04	4.59E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
282	8.4549E-06	2.2154E-05	2.50E-04	5.54E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
283	8.4549E-06	2.4041E-05	2.50E-04	6.02E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
284	8.4549E-06	2.2212E-05	2.50E-04	5.56E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
285	8.4549E-06	2.1949E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
286	8.4549E-06	2.064E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
287	8.4549E-06	1.9146E-05	2.50E-04	4.79E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
288	8.4549E-06	1.7864E-05	2.50E-04	4.47E-09	14.00	1.57E-02	9.84E-10	1,000,000	9.84E-04	1.4E-02			
289	8.4549E-06	1.6243E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.94E-10	1,000,000	8.94E-04	1.3E-02			
290	8.4549E-06	1.3947E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.68E-10	1,000,000	7.68E-04	1.1E-02			
291	8.4549E-06	1.219E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
292	8.4549E-06	1.0701E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.5E-03			
293	8.4549E-06	2.7084E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
294	8.4549E-06	3.0429E-06	2.50E-04	7.62E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
295	8.4549E-06	3.4403E-06	2.50E-04	8.61E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
296	8.4549E-06	3.8968E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
297	8.4549E-06	4.5567E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
298	8.4549E-06	5.3344E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.2E-03			
299	8.4549E-06	6.3189E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
300	8.4549E-06	7.6882E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.23E-10	1,000,000	4.23E-04	6.1E-03			
301	8.4549E-06	8.9113E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
302	8.4549E-06	1.0852E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.98E-10	1,000,000	5.98E-04	8.6E-03			
303	8.4549E-06	1.2884E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.09E-10	1,000,000	7.09E-04	1.0E-02			
304	8.4549E-06	1.5233E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.2E-02			
305	8.4549E-06	1.6262E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.95E-10	1,000,000	8.95E-04	1.3E-02			
306	8.4549E-06	1.5534E-05	2.50E-04	3.89E-09	14.00	1.57E-02	8.55E-10	1,000,000	8.55E-04	1.2E-02			
307	8.4549E-06	1.5117E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.32E-10	1,000,000	8.32E-04	1.2E-02			
308	8.4549E-06	1.4327E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.89E-10	1,000,000	7.89E-04	1.1E-02			
309	8.4549E-06	1.4912E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.2E-02			
310	8.4549E-06	1.3803E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.60E-10	1,000,000	7.60E-04	1.1E-02			
311	8.4549E-06	1.2946E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.13E-10	1,000,000	7.13E-04	1.0E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
312	8.4549E-06	1.2045E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.63E-10	1,000,000	6.63E-04	9.6E-03			
313	8.4549E-06	1.0925E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.02E-10	1,000,000	6.02E-04	8.7E-03			
314	8.4549E-06	9.9112E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
315	8.4549E-06	2.3725E-06	2.50E-04	5.94E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
316	8.4549E-06	2.6519E-06	2.50E-04	6.64E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
317	8.4549E-06	2.9666E-06	2.50E-04	7.42E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
318	8.4549E-06	3.3261E-06	2.50E-04	8.32E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
319	8.4549E-06	3.7285E-06	2.50E-04	9.33E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
320	8.4549E-06	4.4468E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
321	8.4549E-06	5.0914E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.80E-10	1,000,000	2.80E-04	4.1E-03			
322	8.4549E-06	5.9518E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
323	8.4549E-06	7.089E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.90E-10	1,000,000	3.90E-04	5.6E-03			
324	8.4549E-06	8.2557E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.55E-10	1,000,000	4.55E-04	6.6E-03			
325	8.4549E-06	9.523E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.24E-10	1,000,000	5.24E-04	7.6E-03			
326	8.4549E-06	1.0896E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.00E-10	1,000,000	6.00E-04	8.7E-03			
327	8.4549E-06	1.3611E-05	2.50E-04	3.41E-09	14.00	1.57E-02	7.49E-10	1,000,000	7.49E-04	1.1E-02			
328	8.4549E-06	1.1155E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.9E-03			
329	8.4549E-06	1.0905E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.00E-10	1,000,000	6.00E-04	8.7E-03			
330	8.4549E-06	1.0815E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.95E-10	1,000,000	5.95E-04	8.6E-03			
331	8.4549E-06	1.0748E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.6E-03			
332	8.4549E-06	1.0649E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.86E-10	1,000,000	5.86E-04	8.5E-03			
333	8.4549E-06	1.0073E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.55E-10	1,000,000	5.55E-04	8.0E-03			
334	8.4549E-06	9.9216E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
335	8.4549E-06	9.3911E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.17E-10	1,000,000	5.17E-04	7.5E-03			
336	8.4549E-06	8.8139E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.85E-10	1,000,000	4.85E-04	7.0E-03			
337	8.4549E-06	2.1225E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
338	8.4549E-06	2.337E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
339	8.4549E-06	2.5591E-06	2.50E-04	6.40E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
340	8.4549E-06	2.8829E-06	2.50E-04	7.22E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
341	8.4549E-06	3.1977E-06	2.50E-04	8.00E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
342	8.4549E-06	3.7324E-06	2.50E-04	9.34E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
343	8.4549E-06	4.182E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
344	8.4549E-06	4.8269E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.66E-10	1,000,000	2.66E-04	3.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
345	8.4549E-06	5.5759E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
346	8.4549E-06	6.5163E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			
347	8.4549E-06	7.2572E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
348	8.4549E-06	8.0286E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.42E-10	1,000,000	4.42E-04	6.4E-03			
349	8.4549E-06	7.8121E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
350	8.4549E-06	8.0122E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
351	8.4549E-06	8.121E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
352	8.4549E-06	7.8352E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.2E-03			
353	8.4549E-06	8.1572E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.49E-10	1,000,000	4.49E-04	6.5E-03			
354	8.4549E-06	7.9695E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.3E-03			
355	8.4549E-06	7.9767E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.4E-03			
356	8.4549E-06	7.9452E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.37E-10	1,000,000	4.37E-04	6.3E-03			
357	8.4549E-06	7.6609E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.22E-10	1,000,000	4.22E-04	6.1E-03			
358	8.4549E-06	7.3233E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
359	8.4549E-06	1.8668E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
360	8.4549E-06	2.0546E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
361	8.4549E-06	2.2511E-06	2.50E-04	5.63E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
362	8.4549E-06	2.4764E-06	2.50E-04	6.20E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
363	8.4549E-06	2.7135E-06	2.50E-04	6.79E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
364	8.4549E-06	3.0757E-06	2.50E-04	7.70E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.4E-03			
365	8.4549E-06	3.4885E-06	2.50E-04	8.73E-10	14.00	1.57E-02	1.92E-10	1,000,000	1.92E-04	2.8E-03			
366	8.4549E-06	3.9868E-06	2.50E-04	9.98E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
367	8.4549E-06	4.6188E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
368	8.4549E-06	5.1707E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
369	8.4549E-06	5.5937E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.08E-10	1,000,000	3.08E-04	4.5E-03			
370	8.4549E-06	5.8419E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
371	8.4549E-06	6.1563E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
372	8.4549E-06	6.295E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
373	8.4549E-06	6.1946E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
374	8.4549E-06	6.0383E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
375	8.4549E-06	6.2249E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
376	8.4549E-06	6.1606E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
377	8.4549E-06	6.204E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
378	8.4549E-06	6.4994E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
379	8.4549E-06	6.4519E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
380	8.4549E-06	6.1107E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
381	8.4549E-06	7.8638E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.3E-03			
382	8.4549E-06	8.9865E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.95E-10	1,000,000	4.95E-04	7.2E-03			
383	8.4549E-06	1.0349E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.70E-10	1,000,000	5.70E-04	8.2E-03			
384	8.4549E-06	1.2006E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.61E-10	1,000,000	6.61E-04	9.6E-03			
385	8.4549E-06	1.4019E-05	2.50E-04	3.51E-09	14.00	1.57E-02	7.72E-10	1,000,000	7.72E-04	1.1E-02			
386	8.4549E-06	1.6426E-05	2.50E-04	4.11E-09	14.00	1.57E-02	9.04E-10	1,000,000	9.04E-04	1.3E-02			
387	8.4549E-06	1.9212E-05	2.50E-04	4.81E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
388	8.4549E-06	2.2275E-05	2.50E-04	5.57E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
389	8.4549E-06	2.5287E-05	2.50E-04	6.33E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
390	8.4549E-06	2.7713E-05	2.50E-04	6.94E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
391	8.4549E-06	2.892E-05	2.50E-04	7.24E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
392	8.4549E-06	2.8538E-05	2.50E-04	7.14E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
393	8.4549E-06	2.6669E-05	2.50E-04	6.67E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
394	8.4549E-06	2.3898E-05	2.50E-04	5.98E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
395	8.4549E-06	2.075E-05	2.50E-04	5.19E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
396	8.4549E-06	1.777E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.78E-10	1,000,000	9.78E-04	1.4E-02			
397	8.4549E-06	1.516E-05	2.50E-04	3.79E-09	14.00	1.57E-02	8.35E-10	1,000,000	8.35E-04	1.2E-02			
398	8.4549E-06	1.2954E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.13E-10	1,000,000	7.13E-04	1.0E-02			
399	8.4549E-06	8.3702E-06	2.50E-04	2.09E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.7E-03			
400	8.4549E-06	9.6778E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			
401	8.4549E-06	1.1312E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.23E-10	1,000,000	6.23E-04	9.0E-03			
402	8.4549E-06	1.3382E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.37E-10	1,000,000	7.37E-04	1.1E-02			
403	8.4549E-06	1.6014E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.82E-10	1,000,000	8.82E-04	1.3E-02			
404	8.4549E-06	1.9349E-05	2.50E-04	4.84E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
405	8.4549E-06	2.3527E-05	2.50E-04	5.89E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
406	8.4549E-06	2.8539E-05	2.50E-04	7.14E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
407	8.4549E-06	3.3966E-05	2.50E-04	8.50E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.7E-02			
408	8.4549E-06	3.8779E-05	2.50E-04	9.71E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02			
409	8.4549E-06	4.1323E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.28E-09	1,000,000	2.28E-03	3.3E-02			
410	8.4549E-06	4.047E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
411	8.4549E-06	3.6738E-05	2.50E-04	9.19E-09	14.00	1.57E-02	2.02E-09	1,000,000	2.02E-03	2.9E-02			
412	8.4549E-06	3.1526E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
413	8.4549E-06	2.6141E-05	2.50E-04	6.54E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
414	8.4549E-06	2.1481E-05	2.50E-04	5.38E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
415	8.4549E-06	1.7698E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.74E-10	1,000,000	9.74E-04	1.4E-02			
416	8.4549E-06	1.4678E-05	2.50E-04	3.67E-09	14.00	1.57E-02	8.08E-10	1,000,000	8.08E-04	1.2E-02			
417	8.4549E-06	8.568E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
418	8.4549E-06	1.0274E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
419	8.4549E-06	1.2224E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.73E-10	1,000,000	6.73E-04	9.7E-03			
420	8.4549E-06	1.4741E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.12E-10	1,000,000	8.12E-04	1.2E-02			
421	8.4549E-06	1.8107E-05	2.50E-04	4.53E-09	14.00	1.57E-02	9.97E-10	1,000,000	9.97E-04	1.4E-02			
422	8.4549E-06	2.2684E-05	2.50E-04	5.68E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
423	8.4549E-06	2.8963E-05	2.50E-04	7.25E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
424	8.4549E-06	3.7427E-05	2.50E-04	9.37E-09	14.00	1.57E-02	2.06E-09	1,000,000	2.06E-03	3.0E-02			
425	8.4549E-06	4.7917E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.64E-09	1,000,000	2.64E-03	3.8E-02			
426	8.4549E-06	5.8567E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.22E-09	1,000,000	3.22E-03	4.7E-02			
427	8.4549E-06	6.4684E-05	2.50E-04	1.62E-08	14.00	1.57E-02	3.56E-09	1,000,000	3.56E-03	5.2E-02			
428	8.4549E-06	6.2821E-05	2.50E-04	1.57E-08	14.00	1.57E-02	3.46E-09	1,000,000	3.46E-03	5.0E-02			
429	8.4549E-06	5.4048E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.98E-09	1,000,000	2.98E-03	4.3E-02			
430	8.4549E-06	4.3022E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.37E-09	1,000,000	2.37E-03	3.4E-02			
431	8.4549E-06	3.3365E-05	2.50E-04	8.35E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
432	8.4549E-06	2.6006E-05	2.50E-04	6.51E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
433	8.4549E-06	2.0687E-05	2.50E-04	5.18E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
434	8.4549E-06	1.67E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.19E-10	1,000,000	9.19E-04	1.3E-02			
435	8.4549E-06	8.0844E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.45E-10	1,000,000	4.45E-04	6.4E-03			
436	8.4549E-06	9.8553E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.43E-10	1,000,000	5.43E-04	7.8E-03			
437	8.4549E-06	1.2592E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
438	8.4549E-06	1.5951E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.78E-10	1,000,000	8.78E-04	1.3E-02			
439	8.4549E-06	2.007E-05	2.50E-04	5.02E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
440	8.4549E-06	2.6077E-05	2.50E-04	6.53E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
441	8.4549E-06	3.5193E-05	2.50E-04	8.81E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
442	8.4549E-06	4.9495E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.73E-09	1,000,000	2.73E-03	3.9E-02			
443	8.4549E-06	7.1529E-05	2.50E-04	1.79E-08	14.00	1.57E-02	3.94E-09	1,000,000	3.94E-03	5.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
444	8.4549E-06	9.9628E-05	2.50E-04	2.49E-08	14.00	1.57E-02	5.49E-09	1,000,000	5.49E-03	7.9E-02			
445	8.4549E-06	0.00011895	2.50E-04	2.98E-08	14.00	1.57E-02	6.55E-09	1,000,000	6.55E-03	9.5E-02			
446	8.4549E-06	0.00011302	2.50E-04	2.83E-08	14.00	1.57E-02	6.22E-09	1,000,000	6.22E-03	9.0E-02			
447	8.4549E-06	8.7333E-05	2.50E-04	2.19E-08	14.00	1.57E-02	4.81E-09	1,000,000	4.81E-03	7.0E-02			
448	8.4549E-06	6.105E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.36E-09	1,000,000	3.36E-03	4.9E-02			
449	8.4549E-06	4.3033E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.37E-09	1,000,000	2.37E-03	3.4E-02			
450	8.4549E-06	3.1525E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
451	8.4549E-06	2.3879E-05	2.50E-04	5.98E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
452	8.4549E-06	1.8808E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
453	8.4549E-06	7.7051E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
454	8.4549E-06	9.3673E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
455	8.4549E-06	1.1988E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.60E-10	1,000,000	6.60E-04	9.5E-03			
456	8.4549E-06	1.6068E-05	2.50E-04	4.02E-09	14.00	1.57E-02	8.85E-10	1,000,000	8.85E-04	1.3E-02			
457	8.4549E-06	2.1264E-05	2.50E-04	5.32E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
458	8.4549E-06	2.8865E-05	2.50E-04	7.22E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
459	8.4549E-06	4.104E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.26E-09	1,000,000	2.26E-03	3.3E-02			
460	8.4549E-06	6.3605E-05	2.50E-04	1.59E-08	14.00	1.57E-02	3.50E-09	1,000,000	3.50E-03	5.1E-02			
461	8.4549E-06	0.00011096	2.50E-04	2.78E-08	14.00	1.57E-02	6.11E-09	1,000,000	6.11E-03	8.8E-02			
462	8.4549E-06	0.00020873	2.50E-04	5.22E-08	14.00	1.57E-02	1.15E-08	1,000,000	1.15E-02	1.7E-01			
463	8.4549E-06	0.00030027	2.50E-04	7.52E-08	14.00	1.57E-02	1.65E-08	1,000,000	1.65E-02	2.4E-01			
464	8.4549E-06	0.00027297	2.50E-04	6.83E-08	14.00	1.57E-02	1.50E-08	1,000,000	1.50E-02	2.2E-01			
465	8.4549E-06	0.00016257	2.50E-04	4.07E-08	14.00	1.57E-02	8.95E-09	1,000,000	8.95E-03	1.3E-01			
466	8.4549E-06	8.9554E-05	2.50E-04	2.24E-08	14.00	1.57E-02	4.93E-09	1,000,000	4.93E-03	7.1E-02			
467	8.4549E-06	5.5389E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
468	8.4549E-06	3.7711E-05	2.50E-04	9.44E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
469	8.4549E-06	2.7472E-05	2.50E-04	6.88E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
470	8.4549E-06	2.1014E-05	2.50E-04	5.26E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
471	8.4549E-06	7.0331E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.87E-10	1,000,000	3.87E-04	5.6E-03			
472	8.4549E-06	8.8861E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.89E-10	1,000,000	4.89E-04	7.1E-03			
473	8.4549E-06	1.1265E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.20E-10	1,000,000	6.20E-04	9.0E-03			
474	8.4549E-06	1.4379E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.92E-10	1,000,000	7.92E-04	1.1E-02			
475	8.4549E-06	1.8893E-05	2.50E-04	4.73E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
476	8.4549E-06	0.00012619	2.50E-04	3.16E-08	14.00	1.57E-02	6.95E-09	1,000,000	6.95E-03	1.0E-01			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
477	8.4549E-06	6.787E-05	2.50E-04	1.70E-08	14.00	1.57E-02	3.74E-09	1,000,000	3.74E-03	5.4E-02			
478	8.4549E-06	4.3676E-05	2.50E-04	1.09E-08	14.00	1.57E-02	2.40E-09	1,000,000	2.40E-03	3.5E-02			
479	8.4549E-06	3.0759E-05	2.50E-04	7.70E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
480	8.4549E-06	2.2991E-05	2.50E-04	5.75E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
481	8.4549E-06	6.3909E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
482	8.4549E-06	8.0873E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.45E-10	1,000,000	4.45E-04	6.4E-03			
483	8.4549E-06	9.9675E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
484	8.4549E-06	1.2824E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.06E-10	1,000,000	7.06E-04	1.0E-02			
485	8.4549E-06	1.7784E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.79E-10	1,000,000	9.79E-04	1.4E-02			
486	8.4549E-06	0.00012607	2.50E-04	3.16E-08	14.00	1.57E-02	6.94E-09	1,000,000	6.94E-03	1.0E-01			
487	8.4549E-06	7.0911E-05	2.50E-04	1.77E-08	14.00	1.57E-02	3.90E-09	1,000,000	3.90E-03	5.6E-02			
488	8.4549E-06	4.5722E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.52E-09	1,000,000	2.52E-03	3.6E-02			
489	8.4549E-06	3.2217E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
490	8.4549E-06	2.4047E-05	2.50E-04	6.02E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
491	8.4549E-06	5.6862E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
492	8.4549E-06	6.9951E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			
493	8.4549E-06	8.5337E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.8E-03			
494	8.4549E-06	1.0968E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.04E-10	1,000,000	6.04E-04	8.7E-03			
495	8.4549E-06	1.4903E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.21E-10	1,000,000	8.21E-04	1.2E-02			
496	8.4549E-06	4.9887E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.75E-09	1,000,000	2.75E-03	4.0E-02			
497	8.4549E-06	7.6755E-05	2.50E-04	1.92E-08	14.00	1.57E-02	4.23E-09	1,000,000	4.23E-03	6.1E-02			
498	8.4549E-06	0.00013273	2.50E-04	3.32E-08	14.00	1.57E-02	7.31E-09	1,000,000	7.31E-03	1.1E-01			
499	8.4549E-06	8.8634E-05	2.50E-04	2.22E-08	14.00	1.57E-02	4.88E-09	1,000,000	4.88E-03	7.1E-02			
500	8.4549E-06	5.9529E-05	2.50E-04	1.49E-08	14.00	1.57E-02	3.28E-09	1,000,000	3.28E-03	4.7E-02			
501	8.4549E-06	4.1808E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.30E-09	1,000,000	2.30E-03	3.3E-02			
502	8.4549E-06	3.0744E-05	2.50E-04	7.69E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
503	8.4549E-06	2.3517E-05	2.50E-04	5.89E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
504	8.4549E-06	5.059E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
505	8.4549E-06	5.9504E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
506	8.4549E-06	7.4996E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.13E-10	1,000,000	4.13E-04	6.0E-03			
507	8.4549E-06	9.1669E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
508	8.4549E-06	1.2361E-05	2.50E-04	3.09E-09	14.00	1.57E-02	6.81E-10	1,000,000	6.81E-04	9.8E-03			
509	8.4549E-06	1.6458E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.06E-10	1,000,000	9.06E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years											
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max Receptor #
510	8.4549E-06	2.2763E-05	2.50E-04	5.70E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02		
511	8.4549E-06	3.2915E-05	2.50E-04	8.24E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02		
512	8.4549E-06	4.8163E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.65E-09	1,000,000	2.65E-03	3.8E-02		
513	8.4549E-06	6.5639E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.61E-09	1,000,000	3.61E-03	5.2E-02		
514	8.4549E-06	8.343E-05	2.50E-04	2.09E-08	14.00	1.57E-02	4.59E-09	1,000,000	4.59E-03	6.6E-02		
515	8.4549E-06	8.4363E-05	2.50E-04	2.11E-08	14.00	1.57E-02	4.65E-09	1,000,000	4.65E-03	6.7E-02		
516	8.4549E-06	7.3732E-05	2.50E-04	1.85E-08	14.00	1.57E-02	4.06E-09	1,000,000	4.06E-03	5.9E-02		
517	8.4549E-06	5.823E-05	2.50E-04	1.46E-08	14.00	1.57E-02	3.21E-09	1,000,000	3.21E-03	4.6E-02		
518	8.4549E-06	4.4799E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.6E-02		
519	8.4549E-06	3.4556E-05	2.50E-04	8.65E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.8E-02		
520	8.4549E-06	2.7035E-05	2.50E-04	6.77E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.2E-02		
521	8.4549E-06	2.1544E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02		
522	8.4549E-06	4.4459E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03		
523	8.4549E-06	5.3153E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03		
524	8.4549E-06	6.4232E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03		
525	8.4549E-06	7.82E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.2E-03		
526	8.4549E-06	9.4362E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.5E-03		
527	8.4549E-06	1.285E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.08E-10	1,000,000	7.08E-04	1.0E-02		
528	8.4549E-06	1.6864E-05	2.50E-04	4.22E-09	14.00	1.57E-02	9.29E-10	1,000,000	9.29E-04	1.3E-02		
529	8.4549E-06	2.2565E-05	2.50E-04	5.65E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02		
530	8.4549E-06	3.0632E-05	2.50E-04	7.67E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02		
531	8.4549E-06	3.8556E-05	2.50E-04	9.65E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02		
532	8.4549E-06	4.4986E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.48E-09	1,000,000	2.48E-03	3.6E-02		
533	8.4549E-06	4.9361E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.72E-09	1,000,000	2.72E-03	3.9E-02		
534	8.4549E-06	4.4005E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02		
535	8.4549E-06	3.8791E-05	2.50E-04	9.71E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02		
536	8.4549E-06	3.3062E-05	2.50E-04	8.27E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02		
537	8.4549E-06	2.75E-05	2.50E-04	6.88E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02		
538	8.4549E-06	2.2697E-05	2.50E-04	5.68E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02		
539	8.4549E-06	1.8866E-05	2.50E-04	4.72E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02		
540	8.4549E-06	3.9161E-06	2.50E-04	9.80E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03		
541	8.4549E-06	4.6081E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03		
542	8.4549E-06	5.4571E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03		

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
543	8.4549E-06	6.5335E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
544	8.4549E-06	8.116E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
545	8.4549E-06	9.8662E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.43E-10	1,000,000	5.43E-04	7.9E-03			
546	8.4549E-06	1.2512E-05	2.50E-04	3.13E-09	14.00	1.57E-02	6.89E-10	1,000,000	6.89E-04	1.0E-02			
547	8.4549E-06	1.5649E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.62E-10	1,000,000	8.62E-04	1.2E-02			
548	8.4549E-06	2.0168E-05	2.50E-04	5.05E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
549	8.4549E-06	2.4644E-05	2.50E-04	6.17E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
550	8.4549E-06	2.8752E-05	2.50E-04	7.20E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
551	8.4549E-06	3.4906E-05	2.50E-04	8.74E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
552	8.4549E-06	2.823E-05	2.50E-04	7.07E-09	14.00	1.57E-02	1.55E-09	1,000,000	1.55E-03	2.2E-02			
553	8.4549E-06	2.5682E-05	2.50E-04	6.43E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
554	8.4549E-06	2.3311E-05	2.50E-04	5.83E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
555	8.4549E-06	2.1956E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
556	8.4549E-06	1.8826E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
557	8.4549E-06	1.6166E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.90E-10	1,000,000	8.90E-04	1.3E-02			
558	8.4549E-06	3.459E-06	2.50E-04	8.66E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.8E-03			
559	8.4549E-06	4.0171E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
560	8.4549E-06	4.5837E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.7E-03			
561	8.4549E-06	5.4169E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.3E-03			
562	8.4549E-06	6.3199E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
563	8.4549E-06	7.5701E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.17E-10	1,000,000	4.17E-04	6.0E-03			
564	8.4549E-06	9.4438E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.5E-03			
565	8.4549E-06	1.1306E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	9.0E-03			
566	8.4549E-06	1.4058E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
567	8.4549E-06	1.6618E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.15E-10	1,000,000	9.15E-04	1.3E-02			
568	8.4549E-06	1.9463E-05	2.50E-04	4.87E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
569	8.4549E-06	1.8761E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
570	8.4549E-06	1.7894E-05	2.50E-04	4.48E-09	14.00	1.57E-02	9.85E-10	1,000,000	9.85E-04	1.4E-02			
571	8.4549E-06	1.7748E-05	2.50E-04	4.44E-09	14.00	1.57E-02	9.77E-10	1,000,000	9.77E-04	1.4E-02			
572	8.4549E-06	1.7507E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.64E-10	1,000,000	9.64E-04	1.4E-02			
573	8.4549E-06	1.6266E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.96E-10	1,000,000	8.96E-04	1.3E-02			
574	8.4549E-06	1.5121E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.33E-10	1,000,000	8.33E-04	1.2E-02			
575	8.4549E-06	1.3802E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.60E-10	1,000,000	7.60E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.12E-06		1.256E-04	167 Res
2	5	1.24E-06			
3	5	1.38E-06			
4	5	1.53E-06			
5	5	1.70E-06			
6	5	1.89E-06			
7	5	2.10E-06			
8	5	2.32E-06			
9	5	2.53E-06			
10	5	2.73E-06			
11	5	2.89E-06			
12	5	2.98E-06			
13	5	3.00E-06			
14	5	2.94E-06			
15	5	2.81E-06			
16	5	2.63E-06			
17	5	2.42E-06			
18	5	2.20E-06			
19	5	1.98E-06			
20	5	1.79E-06			
21	5	1.60E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
22	5	1.44E-06			
23	5	1.20E-06			
24	5	1.34E-06			
25	5	1.50E-06			
26	5	1.68E-06			
27	5	1.90E-06			
28	5	2.15E-06			
29	5	2.43E-06			
30	5	2.73E-06			
31	5	3.05E-06			
32	5	3.35E-06			
33	5	3.60E-06			
34	5	3.75E-06			
35	5	3.79E-06			
36	5	3.70E-06			
37	5	3.48E-06			
38	5	3.19E-06			
39	5	2.88E-06			
40	5	2.57E-06			
41	5	2.27E-06			
42	5	2.01E-06			
43	5	1.77E-06			
44	5	1.58E-06			
45	5	1.27E-06			
46	5	1.43E-06			
47	5	1.62E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
48	5	1.84E-06			
49	5	2.11E-06			
50	5	2.44E-06			
51	5	2.81E-06			
52	5	3.25E-06			
53	5	3.73E-06			
54	5	4.21E-06			
55	5	4.62E-06			
56	5	4.90E-06			
57	5	4.96E-06			
58	5	4.81E-06			
59	5	4.43E-06			
60	5	3.96E-06			
61	5	3.49E-06			
62	5	3.02E-06			
63	5	2.61E-06			
64	5	2.27E-06			
65	5	1.97E-06			
66	5	1.73E-06			
67	5	1.34E-06			
68	5	1.52E-06			
69	5	1.74E-06			
70	5	2.01E-06			
71	5	2.34E-06			
72	5	2.76E-06			
73	5	3.27E-06			
74	5	3.89E-06			
75	5	4.63E-06			
76	5	5.44E-06			
77	5	6.20E-06			
78	5	6.74E-06			
79	5	6.86E-06			
80	5	6.53E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
81	5	5.86E-06			
82	5	5.06E-06			
83	5	4.27E-06			
84	5	3.58E-06			
85	5	3.00E-06			
86	5	2.55E-06			
87	5	2.18E-06			
88	5	1.89E-06			
89	5	1.39E-06			
90	5	1.60E-06			
91	5	1.85E-06			
92	5	2.17E-06			
93	5	2.57E-06			
94	5	3.09E-06			
95	5	3.78E-06			
96	5	4.68E-06			
97	5	5.84E-06			
98	5	7.26E-06			
99	5	8.76E-06			
100	5	9.91E-06			
101	5	1.02E-05			
102	5	9.46E-06			
103	5	8.09E-06			
104	5	6.58E-06			
105	5	5.28E-06			
106	5	4.25E-06			
107	5	3.46E-06			
108	5	2.86E-06			
109	5	2.41E-06			
110	5	2.05E-06			
111	5	1.32E-06			
112	5	1.61E-06			
113	5	1.86E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
114	5	2.20E-06			
115	5	2.78E-06			
116	5	3.42E-06			
117	5	4.31E-06			
118	5	5.57E-06			
119	5	7.41E-06			
120	5	1.00E-05			
121	5	1.34E-05			
122	5	1.63E-05			
123	5	1.71E-05			
124	5	1.52E-05			
125	5	1.18E-05			
126	5	8.78E-06			
127	5	6.57E-06			
128	5	5.04E-06			
129	5	3.96E-06			
130	5	3.20E-06			
131	5	2.64E-06			
132	5	2.22E-06			
133	5	1.25E-06			
134	5	1.46E-06			
135	5	1.73E-06			
136	5	2.17E-06			
137	5	2.92E-06			
138	5	3.69E-06			
139	5	4.78E-06			
140	5	6.45E-06			
141	5	9.23E-06			
142	5	1.41E-05			
143	5	2.25E-05			
144	5	3.27E-05			
145	5	3.58E-05			
146	5	2.85E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
147	5	1.85E-05			
148	5	1.19E-05			
149	5	8.17E-06			
150	5	5.92E-06			
151	5	4.50E-06			
152	5	3.55E-06			
153	5	2.89E-06			
154	5	2.40E-06			
155	5	1.10E-06			
156	5	1.32E-06			
157	5	1.66E-06			
158	5	2.02E-06			
159	5	2.59E-06			
160	5	3.40E-06			
161	5	4.78E-06			
162	5	7.07E-06			
163	5	1.08E-05			
164	5	1.88E-05			
165	5	4.26E-05			
166	5	1.05E-04			
167	5	1.26E-04			
168	5	7.81E-05			
169	5	3.11E-05			
170	5	1.60E-05			
171	5	9.92E-06			
172	5	6.85E-06			
173	5	5.05E-06			
174	5	3.90E-06			
175	5	3.12E-06			
176	5	2.56E-06			
177	5	1.02E-06			
178	5	1.25E-06			
179	5	1.57E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
180	5	1.98E-06			
181	5	2.52E-06			
182	5	3.24E-06			
183	5	4.40E-06			
184	5	4.18E-05			
185	5	1.89E-05			
186	5	1.12E-05			
187	5	7.53E-06			
188	5	5.45E-06			
189	5	4.16E-06			
190	5	3.30E-06			
191	5	2.69E-06			
192	5	9.29E-07			
193	5	1.11E-06			
194	5	1.37E-06			
195	5	1.72E-06			
196	5	2.23E-06			
197	5	2.85E-06			
198	5	3.90E-06			
199	5	1.49E-05			
200	5	2.86E-05			
201	5	1.68E-05			
202	5	1.08E-05			
203	5	7.47E-06			
204	5	5.50E-06			
205	5	4.23E-06			
206	5	3.36E-06			
207	5	2.75E-06			
208	5	8.42E-07			
209	5	9.94E-07			
210	5	1.16E-06			
211	5	1.44E-06			
212	5	1.79E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
213	5	2.34E-06			
214	5	3.22E-06			
215	5	4.46E-06			
216	5	6.83E-06			
217	5	1.01E-05			
218	5	2.20E-05			
219	5	1.68E-05			
220	5	1.22E-05			
221	5	8.90E-06			
222	5	6.65E-06			
223	5	5.12E-06			
224	5	4.04E-06			
225	5	3.27E-06			
226	5	2.71E-06			
227	5	7.58E-07			
228	5	8.78E-07			
229	5	1.03E-06			
230	5	1.24E-06			
231	5	1.52E-06			
232	5	1.87E-06			
233	5	2.52E-06			
234	5	3.36E-06			
235	5	4.67E-06			
236	5	6.54E-06			
237	5	8.77E-06			
238	5	1.11E-05			
239	5	1.27E-05			
240	5	1.19E-05			
241	5	1.06E-05			
242	5	8.45E-06			
243	5	6.89E-06			
244	5	5.53E-06			
245	5	4.48E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
246	5	3.67E-06			
247	5	3.05E-06			
248	5	2.57E-06			
249	5	6.84E-07			
250	5	7.81E-07			
251	5	9.00E-07			
252	5	1.07E-06			
253	5	1.28E-06			
254	5	1.61E-06			
255	5	1.99E-06			
256	5	2.63E-06			
257	5	3.32E-06			
258	5	4.21E-06			
259	5	5.51E-06			
260	5	6.70E-06			
261	5	7.45E-06			
262	5	7.25E-06			
263	5	6.60E-06			
264	5	5.92E-06			
265	5	5.33E-06			
266	5	4.50E-06			
267	5	3.80E-06			
268	5	3.22E-06			
269	5	2.75E-06			
270	5	2.37E-06			
271	5	6.07E-07			
272	5	6.85E-07			
273	5	7.87E-07			
274	5	9.14E-07			
275	5	1.08E-06			
276	5	1.30E-06			
277	5	1.59E-06			
278	5	1.92E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
279	5	2.39E-06			
280	5	2.95E-06			
281	5	3.66E-06			
282	5	4.43E-06			
283	5	4.81E-06			
284	5	4.44E-06			
285	5	4.39E-06			
286	5	4.13E-06			
287	5	3.83E-06			
288	5	3.57E-06			
289	5	3.25E-06			
290	5	2.79E-06			
291	5	2.44E-06			
292	5	2.14E-06			
293	5	5.42E-07			
294	5	6.09E-07			
295	5	6.88E-07			
296	5	7.79E-07			
297	5	9.11E-07			
298	5	1.07E-06			
299	5	1.26E-06			
300	5	1.54E-06			
301	5	1.78E-06			
302	5	2.17E-06			
303	5	2.58E-06			
304	5	3.05E-06			
305	5	3.25E-06			
306	5	3.11E-06			
307	5	3.02E-06			
308	5	2.87E-06			
309	5	2.98E-06			
310	5	2.76E-06			
311	5	2.59E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
312	5	2.41E-06			
313	5	2.18E-06			
314	5	1.98E-06			
315	5	4.75E-07			
316	5	5.30E-07			
317	5	5.93E-07			
318	5	6.65E-07			
319	5	7.46E-07			
320	5	8.89E-07			
321	5	1.02E-06			
322	5	1.19E-06			
323	5	1.42E-06			
324	5	1.65E-06			
325	5	1.90E-06			
326	5	2.18E-06			
327	5	2.72E-06			
328	5	2.23E-06			
329	5	2.18E-06			
330	5	2.16E-06			
331	5	2.15E-06			
332	5	2.13E-06			
333	5	2.01E-06			
334	5	1.98E-06			
335	5	1.88E-06			
336	5	1.76E-06			
337	5	4.25E-07			
338	5	4.67E-07			
339	5	5.12E-07			
340	5	5.77E-07			
341	5	6.40E-07			
342	5	7.46E-07			
343	5	8.36E-07			
344	5	9.65E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
345	5	1.12E-06			
346	5	1.30E-06			
347	5	1.45E-06			
348	5	1.61E-06			
349	5	1.56E-06			
350	5	1.60E-06			
351	5	1.62E-06			
352	5	1.57E-06			
353	5	1.63E-06			
354	5	1.59E-06			
355	5	1.60E-06			
356	5	1.59E-06			
357	5	1.53E-06			
358	5	1.46E-06			
359	5	3.73E-07			
360	5	4.11E-07			
361	5	4.50E-07			
362	5	4.95E-07			
363	5	5.43E-07			
364	5	6.15E-07			
365	5	6.98E-07			
366	5	7.97E-07			
367	5	9.24E-07			
368	5	1.03E-06			
369	5	1.12E-06			
370	5	1.17E-06			
371	5	1.23E-06			
372	5	1.26E-06			
373	5	1.24E-06			
374	5	1.21E-06			
375	5	1.24E-06			
376	5	1.23E-06			
377	5	1.24E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
378	5	1.30E-06			
379	5	1.29E-06			
380	5	1.22E-06			
381	5	1.57E-06			
382	5	1.80E-06			
383	5	2.07E-06			
384	5	2.40E-06			
385	5	2.80E-06			
386	5	3.29E-06			
387	5	3.84E-06			
388	5	4.45E-06			
389	5	5.06E-06			
390	5	5.54E-06			
391	5	5.78E-06			
392	5	5.71E-06			
393	5	5.33E-06			
394	5	4.78E-06			
395	5	4.15E-06			
396	5	3.55E-06			
397	5	3.03E-06			
398	5	2.59E-06			
399	5	1.67E-06			
400	5	1.94E-06			
401	5	2.26E-06			
402	5	2.68E-06			
403	5	3.20E-06			
404	5	3.87E-06			
405	5	4.71E-06			
406	5	5.71E-06			
407	5	6.79E-06			
408	5	7.76E-06			
409	5	8.26E-06			
410	5	8.09E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
411	5	7.35E-06			
412	5	6.31E-06			
413	5	5.23E-06			
414	5	4.30E-06			
415	5	3.54E-06			
416	5	2.94E-06			
417	5	1.71E-06			
418	5	2.05E-06			
419	5	2.44E-06			
420	5	2.95E-06			
421	5	3.62E-06			
422	5	4.54E-06			
423	5	5.79E-06			
424	5	7.49E-06			
425	5	9.58E-06			
426	5	1.17E-05			
427	5	1.29E-05			
428	5	1.26E-05			
429	5	1.08E-05			
430	5	8.60E-06			
431	5	6.67E-06			
432	5	5.20E-06			
433	5	4.14E-06			
434	5	3.34E-06			
435	5	1.62E-06			
436	5	1.97E-06			
437	5	2.52E-06			
438	5	3.19E-06			
439	5	4.01E-06			
440	5	5.22E-06			
441	5	7.04E-06			
442	5	9.90E-06			
443	5	1.43E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
444	5	1.99E-05			
445	5	2.38E-05			
446	5	2.26E-05			
447	5	1.75E-05			
448	5	1.22E-05			
449	5	8.61E-06			
450	5	6.31E-06			
451	5	4.78E-06			
452	5	3.76E-06			
453	5	1.54E-06			
454	5	1.87E-06			
455	5	2.40E-06			
456	5	3.21E-06			
457	5	4.25E-06			
458	5	5.77E-06			
459	5	8.21E-06			
460	5	1.27E-05			
461	5	2.22E-05			
462	5	4.17E-05			
463	5	6.01E-05			
464	5	5.46E-05			
465	5	3.25E-05			
466	5	1.79E-05			
467	5	1.11E-05			
468	5	7.54E-06			
469	5	5.49E-06			
470	5	4.20E-06			
471	5	1.41E-06			
472	5	1.78E-06			
473	5	2.25E-06			
474	5	2.88E-06			
475	5	3.78E-06			
476	5	2.52E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
477	5	1.36E-05			
478	5	8.74E-06			
479	5	6.15E-06			
480	5	4.60E-06			
481	5	1.28E-06			
482	5	1.62E-06			
483	5	1.99E-06			
484	5	2.56E-06			
485	5	3.56E-06			
486	5	2.52E-05			
487	5	1.42E-05			
488	5	9.14E-06			
489	5	6.44E-06			
490	5	4.81E-06			
491	5	1.14E-06			
492	5	1.40E-06			
493	5	1.71E-06			
494	5	2.19E-06			
495	5	2.98E-06			
496	5	9.98E-06			
497	5	1.54E-05			
498	5	2.65E-05			
499	5	1.77E-05			
500	5	1.19E-05			
501	5	8.36E-06			
502	5	6.15E-06			
503	5	4.70E-06			
504	5	1.01E-06			
505	5	1.19E-06			
506	5	1.50E-06			
507	5	1.83E-06			
508	5	2.47E-06			
509	5	3.29E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
510	5	4.55E-06			
511	5	6.58E-06			
512	5	9.63E-06			
513	5	1.31E-05			
514	5	1.67E-05			
515	5	1.69E-05			
516	5	1.47E-05			
517	5	1.16E-05			
518	5	8.96E-06			
519	5	6.91E-06			
520	5	5.41E-06			
521	5	4.31E-06			
522	5	8.89E-07			
523	5	1.06E-06			
524	5	1.28E-06			
525	5	1.56E-06			
526	5	1.89E-06			
527	5	2.57E-06			
528	5	3.37E-06			
529	5	4.51E-06			
530	5	6.13E-06			
531	5	7.71E-06			
532	5	9.00E-06			
533	5	9.87E-06			
534	5	8.80E-06			
535	5	7.76E-06			
536	5	6.61E-06			
537	5	5.50E-06			
538	5	4.54E-06			
539	5	3.77E-06			
540	5	7.83E-07			
541	5	9.22E-07			
542	5	1.09E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE5

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
543	5	1.31E-06			
544	5	1.62E-06			
545	5	1.97E-06			
546	5	2.50E-06			
547	5	3.13E-06			
548	5	4.03E-06			
549	5	4.93E-06			
550	5	5.75E-06			
551	5	6.98E-06			
552	5	5.65E-06			
553	5	5.14E-06			
554	5	4.66E-06			
555	5	4.39E-06			
556	5	3.77E-06			
557	5	3.23E-06			
558	5	6.92E-07			
559	5	8.03E-07			
560	5	9.17E-07			
561	5	1.08E-06			
562	5	1.26E-06			
563	5	1.51E-06			
564	5	1.89E-06			
565	5	2.26E-06			
566	5	2.81E-06			
567	5	3.32E-06			
568	5	3.89E-06			
569	5	3.75E-06			
570	5	3.58E-06			
571	5	3.55E-06			
572	5	3.50E-06			
573	5	3.25E-06			
574	5	3.02E-06			
575	5	2.76E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.62037	**7.6675E-07**	4.7567E-07	3.46E-04	1.65E-10	0.25	1.57E-01	6.47E-12	1,000,000	6.47E-06
2	0.68429	7.6675E-07	5.2468E-07	3.46E-04	1.82E-10	0.25	1.57E-01	7.14E-12	1,000,000	7.14E-06
3	0.7573	7.6675E-07	5.8066E-07	3.46E-04	2.01E-10	0.25	1.57E-01	7.90E-12	1,000,000	7.90E-06
4	0.84036	7.6675E-07	6.4435E-07	3.46E-04	2.23E-10	0.25	1.57E-01	8.76E-12	1,000,000	8.76E-06
5	0.93472	7.6675E-07	7.167E-07	3.46E-04	2.48E-10	0.25	1.57E-01	9.75E-12	1,000,000	9.75E-06
6	1.04082	7.6675E-07	7.9805E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
7	1.15729	7.6675E-07	8.8736E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
8	1.28221	7.6675E-07	9.8314E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
9	1.41155	7.6675E-07	1.0823E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
10	1.53609	7.6675E-07	1.1778E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
11	1.64485	7.6675E-07	1.2612E-06	3.46E-04	4.37E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
12	1.72585	7.6675E-07	1.3233E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
13	1.76781	7.6675E-07	1.3555E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
14	1.7641	7.6675E-07	1.3526E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
15	1.71549	7.6675E-07	1.3154E-06	3.46E-04	4.55E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
16	1.62757	7.6675E-07	1.2479E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
17	1.51701	7.6675E-07	1.1632E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
18	1.39224	7.6675E-07	1.0675E-06	3.46E-04	3.70E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
19	1.26284	7.6675E-07	9.6829E-07	3.46E-04	3.35E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
20	1.14087	7.6675E-07	8.7477E-07	3.46E-04	3.03E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
21	1.02691	7.6675E-07	7.8739E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	0.92235	7.6675E-07	7.0721E-07	3.46E-04	2.45E-10	0.25	1.57E-01	9.62E-12	1,000,000	9.62E-06
23	0.65797	7.6675E-07	5.045E-07	3.46E-04	1.75E-10	0.25	1.57E-01	6.86E-12	1,000,000	6.86E-06
24	0.73156	7.6675E-07	5.6093E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.63E-12	1,000,000	7.63E-06
25	0.81721	7.6675E-07	6.266E-07	3.46E-04	2.17E-10	0.25	1.57E-01	8.52E-12	1,000,000	8.52E-06
26	0.91703	7.6675E-07	7.0314E-07	3.46E-04	2.43E-10	0.25	1.57E-01	9.56E-12	1,000,000	9.56E-06
27	1.03311	7.6675E-07	7.9214E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
28	1.16801	7.6675E-07	8.9558E-07	3.46E-04	3.10E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
29	1.32115	7.6675E-07	1.013E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
30	1.49301	7.6675E-07	1.1448E-06	3.46E-04	3.96E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
31	1.67666	7.6675E-07	1.2856E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
32	1.86148	7.6675E-07	1.4273E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
33	2.02843	7.6675E-07	1.5553E-06	3.46E-04	5.38E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
34	2.15906	7.6675E-07	1.6555E-06	3.46E-04	5.73E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
35	2.22931	7.6675E-07	1.7093E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
36	2.2261	7.6675E-07	1.7069E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
37	2.14108	7.6675E-07	1.6417E-06	3.46E-04	5.68E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
38	2.00349	7.6675E-07	1.5362E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
39	1.83583	7.6675E-07	1.4076E-06	3.46E-04	4.87E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
40	1.65175	7.6675E-07	1.2665E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
41	1.46886	7.6675E-07	1.1263E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
42	1.29949	7.6675E-07	9.9639E-07	3.46E-04	3.45E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
43	1.14804	7.6675E-07	8.8026E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
44	1.02183	7.6675E-07	7.8349E-07	3.46E-04	2.71E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
45	0.6945	7.6675E-07	5.3251E-07	3.46E-04	1.84E-10	0.25	1.57E-01	7.24E-12	1,000,000	7.24E-06
46	0.77843	7.6675E-07	5.9686E-07	3.46E-04	2.07E-10	0.25	1.57E-01	8.12E-12	1,000,000	8.12E-06
47	0.87801	7.6675E-07	6.7322E-07	3.46E-04	2.33E-10	0.25	1.57E-01	9.16E-12	1,000,000	9.16E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	0.99683	7.6675E-07	7.6432E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
49	1.13898	7.6675E-07	8.7332E-07	3.46E-04	3.02E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
50	1.30915	7.6675E-07	1.0038E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
51	1.51161	7.6675E-07	1.159E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
52	1.74836	7.6675E-07	1.3406E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
53	2.01683	7.6675E-07	1.5464E-06	3.46E-04	5.35E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
54	2.30072	7.6675E-07	1.7641E-06	3.46E-04	6.11E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
55	2.57315	7.6675E-07	1.973E-06	3.46E-04	6.83E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
56	2.79269	7.6675E-07	2.1413E-06	3.46E-04	7.41E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
57	2.91262	7.6675E-07	2.2333E-06	3.46E-04	7.73E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
58	2.91161	7.6675E-07	2.2325E-06	3.46E-04	7.73E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
59	2.76495	7.6675E-07	2.12E-06	3.46E-04	7.34E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
60	2.53287	7.6675E-07	1.9421E-06	3.46E-04	6.72E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
61	2.26289	7.6675E-07	1.7351E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
62	1.98068	7.6675E-07	1.5187E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
63	1.71845	7.6675E-07	1.3176E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
64	1.48878	7.6675E-07	1.1415E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
65	1.29414	7.6675E-07	9.9229E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
66	1.13063	7.6675E-07	8.6691E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
67	0.72844	7.6675E-07	5.5853E-07	3.46E-04	1.93E-10	0.25	1.57E-01	7.60E-12	1,000,000	7.60E-06
68	0.82276	7.6675E-07	6.3085E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.58E-12	1,000,000	8.58E-06
69	0.93672	7.6675E-07	7.1823E-07	3.46E-04	2.49E-10	0.25	1.57E-01	9.77E-12	1,000,000	9.77E-06
70	1.07617	7.6675E-07	8.2516E-07	3.46E-04	2.86E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
71	1.24805	7.6675E-07	9.5695E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
72	1.46152	7.6675E-07	1.1206E-06	3.46E-04	3.88E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
73	1.72729	7.6675E-07	1.3244E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
74	2.05538	7.6675E-07	1.576E-06	3.46E-04	5.46E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
75	2.45228	7.6675E-07	1.8803E-06	3.46E-04	6.51E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
76	2.90838	7.6675E-07	2.23E-06	3.46E-04	7.72E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
77	3.38177	7.6675E-07	2.593E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
78	3.79098	7.6675E-07	2.9067E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
79	4.01524	7.6675E-07	3.0787E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.19E-11	1,000,000	4.19E-05
80	3.99311	7.6675E-07	3.0617E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	3.72937	7.6675E-07	2.8595E-06	3.46E-04	9.90E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
82	3.32007	7.6675E-07	2.5457E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
83	2.84798	7.6675E-07	2.1837E-06	3.46E-04	7.56E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
84	2.40674	7.6675E-07	1.8454E-06	3.46E-04	6.39E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
85	2.01235	7.6675E-07	1.543E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
86	1.70617	7.6675E-07	1.3082E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
87	1.45138	7.6675E-07	1.1128E-06	3.46E-04	3.85E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
88	1.24778	7.6675E-07	9.5674E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
89	0.73895	7.6675E-07	5.6659E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.71E-12	1,000,000	7.71E-06
90	0.86275	7.6675E-07	6.6152E-07	3.46E-04	2.29E-10	0.25	1.57E-01	9.00E-12	1,000,000	9.00E-06
91	0.99076	7.6675E-07	7.5967E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
92	1.15059	7.6675E-07	8.8222E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
93	1.35361	7.6675E-07	1.0379E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
94	1.61643	7.6675E-07	1.2394E-06	3.46E-04	4.29E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
95	1.95966	7.6675E-07	1.5026E-06	3.46E-04	5.20E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
96	2.41225	7.6675E-07	1.8496E-06	3.46E-04	6.40E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
97	3.00824	7.6675E-07	2.3066E-06	3.46E-04	7.98E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
98	3.76514	7.6675E-07	2.8869E-06	3.46E-04	9.99E-10	0.25	1.57E-01	3.93E-11	1,000,000	3.93E-05
99	4.63682	7.6675E-07	3.5553E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
100	5.45792	7.6675E-07	4.1849E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.69E-11	1,000,000	5.69E-05
101	5.94397	7.6675E-07	4.5576E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.20E-11	1,000,000	6.20E-05
102	5.89028	7.6675E-07	4.5164E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.14E-11	1,000,000	6.14E-05
103	5.33504	7.6675E-07	4.0907E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.56E-11	1,000,000	5.56E-05
104	4.49986	7.6675E-07	3.4503E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
105	3.66551	7.6675E-07	2.8105E-06	3.46E-04	9.73E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
106	2.94906	7.6675E-07	2.2612E-06	3.46E-04	7.83E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
107	2.38268	7.6675E-07	1.8269E-06	3.46E-04	6.32E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
108	1.95205	7.6675E-07	1.4967E-06	3.46E-04	5.18E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
109	1.6229	7.6675E-07	1.2444E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
110	1.3725	7.6675E-07	1.0524E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
111	0.69886	7.6675E-07	5.3585E-07	3.46E-04	1.85E-10	0.25	1.57E-01	7.29E-12	1,000,000	7.29E-06
112	0.84227	7.6675E-07	6.4581E-07	3.46E-04	2.24E-10	0.25	1.57E-01	8.78E-12	1,000,000	8.78E-06
113	0.9472	7.6675E-07	7.2627E-07	3.46E-04	2.51E-10	0.25	1.57E-01	9.88E-12	1,000,000	9.88E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	1.1303	7.6675E-07	8.6666E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
115	1.42814	7.6675E-07	1.095E-06	3.46E-04	3.79E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
116	1.76139	7.6675E-07	1.3506E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
117	2.19048	7.6675E-07	1.6796E-06	3.46E-04	5.81E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
118	2.79825	7.6675E-07	2.1456E-06	3.46E-04	7.43E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
119	3.68332	7.6675E-07	2.8242E-06	3.46E-04	9.78E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
120	4.97739	7.6675E-07	3.8164E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.19E-11	1,000,000	5.19E-05
121	6.75239	7.6675E-07	5.1774E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.04E-11	1,000,000	7.04E-05
122	8.67201	7.6675E-07	6.6493E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.04E-11	1,000,000	9.04E-05
123	9.90458	7.6675E-07	7.5944E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
124	9.74982	7.6675E-07	7.4757E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
125	8.31547	7.6675E-07	6.3759E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.67E-11	1,000,000	8.67E-05
126	6.41625	7.6675E-07	4.9197E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.69E-11	1,000,000	6.69E-05
127	4.80955	7.6675E-07	3.6877E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.02E-11	1,000,000	5.02E-05
128	3.63456	7.6675E-07	2.7868E-06	3.46E-04	9.65E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
129	2.80517	7.6675E-07	2.1509E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
130	2.2282	7.6675E-07	1.7085E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
131	1.80958	7.6675E-07	1.3875E-06	3.46E-04	4.80E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
132	1.50345	7.6675E-07	1.1528E-06	3.46E-04	3.99E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
133	0.66066	7.6675E-07	5.0656E-07	3.46E-04	1.75E-10	0.25	1.57E-01	6.89E-12	1,000,000	6.89E-06
134	0.76926	7.6675E-07	5.8983E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.02E-12	1,000,000	8.02E-06
135	0.90201	7.6675E-07	6.9162E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.41E-12	1,000,000	9.41E-06
136	1.11562	7.6675E-07	8.554E-07	3.46E-04	2.96E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
137	1.48475	7.6675E-07	1.1384E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
138	1.87374	7.6675E-07	1.4367E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
139	2.38616	7.6675E-07	1.8296E-06	3.46E-04	6.33E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
140	3.1527	7.6675E-07	2.4173E-06	3.46E-04	8.37E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
141	4.40196	7.6675E-07	3.3752E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.59E-11	1,000,000	4.59E-05
142	6.58937	7.6675E-07	5.0524E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.87E-11	1,000,000	6.87E-05
143	10.59511	7.6675E-07	8.1238E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
144	16.41817	7.6675E-07	1.2589E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
145	20.42339	7.6675E-07	1.566E-05	3.46E-04	5.42E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
146	19.84189	7.6675E-07	1.5214E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	14.92682	7.6675E-07	1.1445E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
148	9.70485	7.6675E-07	7.4412E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
149	6.41828	7.6675E-07	4.9212E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.69E-11	1,000,000	6.69E-05
150	4.46659	7.6675E-07	3.4248E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.66E-11	1,000,000	4.66E-05
151	3.28095	7.6675E-07	2.5157E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
152	2.52362	7.6675E-07	1.935E-06	3.46E-04	6.70E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
153	2.00515	7.6675E-07	1.5375E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
154	1.63733	7.6675E-07	1.2554E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
155	0.57849	7.6675E-07	4.4356E-07	3.46E-04	1.54E-10	0.25	1.57E-01	6.03E-12	1,000,000	6.03E-06
156	0.6878	7.6675E-07	5.2737E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.17E-12	1,000,000	7.17E-06
157	0.85782	7.6675E-07	6.5774E-07	3.46E-04	2.28E-10	0.25	1.57E-01	8.94E-12	1,000,000	8.94E-06
158	1.03277	7.6675E-07	7.9188E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
159	1.31103	7.6675E-07	1.0052E-06	3.46E-04	3.48E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
160	1.68756	7.6675E-07	1.2939E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
161	2.26719	7.6675E-07	1.7384E-06	3.46E-04	6.02E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
162	3.34088	7.6675E-07	2.5616E-06	3.46E-04	8.87E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
163	4.93337	7.6675E-07	3.7827E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.14E-11	1,000,000	5.14E-05
164	8.16179	7.6675E-07	6.2581E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
165	17.66682	7.6675E-07	1.3546E-05	3.46E-04	4.69E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
166	53.10693	7.6675E-07	4.072E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.54E-10	1,000,000	5.54E-04
167	72.7036	7.6675E-07	5.5746E-05	3.46E-04	1.93E-08	0.25	1.57E-01	7.58E-10	1,000,000	7.58E-04
168	71.80387	7.6675E-07	5.5056E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.49E-10	1,000,000	7.49E-04
169	35.55324	7.6675E-07	2.7261E-05	3.46E-04	9.44E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
170	15.42562	7.6675E-07	1.1828E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
171	8.4596	7.6675E-07	6.4864E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.82E-11	1,000,000	8.82E-05
172	5.41627	7.6675E-07	4.1529E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.65E-11	1,000,000	5.65E-05
173	3.78794	7.6675E-07	2.9044E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
174	2.82152	7.6675E-07	2.1634E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
175	2.19874	7.6675E-07	1.6859E-06	3.46E-04	5.84E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
176	1.7687	7.6675E-07	1.3562E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
177	0.53887	7.6675E-07	4.1318E-07	3.46E-04	1.43E-10	0.25	1.57E-01	5.62E-12	1,000,000	5.62E-06
178	0.64883	7.6675E-07	4.9749E-07	3.46E-04	1.72E-10	0.25	1.57E-01	6.77E-12	1,000,000	6.77E-06
179	0.80844	7.6675E-07	6.1987E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.43E-12	1,000,000	8.43E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	1.01302	7.6675E-07	7.7674E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
181	1.26868	7.6675E-07	9.7276E-07	3.46E-04	3.37E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
182	1.60494	7.6675E-07	1.2306E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
183	2.12253	7.6675E-07	1.6275E-06	3.46E-04	5.63E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
184	86.77971	7.6675E-07	6.6539E-05	3.46E-04	2.30E-08	0.25	1.57E-01	9.05E-10	1,000,000	9.05E-04
185	21.34003	7.6675E-07	1.6363E-05	3.46E-04	5.66E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
186	10.23114	7.6675E-07	7.8448E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
187	6.1548	7.6675E-07	4.7192E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.42E-11	1,000,000	6.42E-05
188	4.17427	7.6675E-07	3.2006E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05
189	3.05275	7.6675E-07	2.3407E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
190	2.34678	7.6675E-07	1.7994E-06	3.46E-04	6.23E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
191	1.86992	7.6675E-07	1.4338E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
192	0.49027	7.6675E-07	3.7592E-07	3.46E-04	1.30E-10	0.25	1.57E-01	5.11E-12	1,000,000	5.11E-06
193	0.57798	7.6675E-07	4.4317E-07	3.46E-04	1.53E-10	0.25	1.57E-01	6.03E-12	1,000,000	6.03E-06
194	0.70886	7.6675E-07	5.4352E-07	3.46E-04	1.88E-10	0.25	1.57E-01	7.39E-12	1,000,000	7.39E-06
195	0.8762	7.6675E-07	6.7183E-07	3.46E-04	2.33E-10	0.25	1.57E-01	9.14E-12	1,000,000	9.14E-06
196	1.11889	7.6675E-07	8.5791E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
197	1.40141	7.6675E-07	1.0745E-06	3.46E-04	3.72E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
198	1.88365	7.6675E-07	1.4443E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
199	6.1653	7.6675E-07	4.7273E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
200	42.77142	7.6675E-07	3.2795E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.46E-10	1,000,000	4.46E-04
201	17.86846	7.6675E-07	1.3701E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
202	9.62594	7.6675E-07	7.3807E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
203	6.07621	7.6675E-07	4.659E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.34E-11	1,000,000	6.34E-05
204	4.20779	7.6675E-07	3.2263E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.39E-11	1,000,000	4.39E-05
205	3.10391	7.6675E-07	2.3799E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
206	2.39516	7.6675E-07	1.8365E-06	3.46E-04	6.36E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
207	1.91252	7.6675E-07	1.4664E-06	3.46E-04	5.08E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
208	0.44659	7.6675E-07	3.4242E-07	3.46E-04	1.19E-10	0.25	1.57E-01	4.66E-12	1,000,000	4.66E-06
209	0.52227	7.6675E-07	4.0045E-07	3.46E-04	1.39E-10	0.25	1.57E-01	5.45E-12	1,000,000	5.45E-06
210	0.60328	7.6675E-07	4.6257E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.29E-12	1,000,000	6.29E-06
211	0.74245	7.6675E-07	5.6928E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.74E-12	1,000,000	7.74E-06
212	0.90875	7.6675E-07	6.9679E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.48E-12	1,000,000	9.48E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	1.16384	7.6675E-07	8.9238E-07	3.46E-04	3.09E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
214	1.56456	7.6675E-07	1.1996E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
215	2.1095	7.6675E-07	1.6175E-06	3.46E-04	5.60E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
216	3.15299	7.6675E-07	2.4176E-06	3.46E-04	8.37E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
217	4.50208	7.6675E-07	3.452E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
218	14.95472	7.6675E-07	1.1467E-05	3.46E-04	3.97E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
219	13.93285	7.6675E-07	1.0683E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
220	10.32256	7.6675E-07	7.9149E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
221	7.22202	7.6675E-07	5.5375E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
222	5.1527	7.6675E-07	3.9508E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.37E-11	1,000,000	5.37E-05
223	3.81304	7.6675E-07	2.9237E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
224	2.92276	7.6675E-07	2.241E-06	3.46E-04	7.76E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
225	2.30865	7.6675E-07	1.7702E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
226	1.87098	7.6675E-07	1.4346E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
227	0.4038	7.6675E-07	3.0961E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.21E-12	1,000,000	4.21E-06
228	0.46415	7.6675E-07	3.5589E-07	3.46E-04	1.23E-10	0.25	1.57E-01	4.84E-12	1,000,000	4.84E-06
229	0.5391	7.6675E-07	4.1336E-07	3.46E-04	1.43E-10	0.25	1.57E-01	5.62E-12	1,000,000	5.62E-06
230	0.64174	7.6675E-07	4.9206E-07	3.46E-04	1.70E-10	0.25	1.57E-01	6.69E-12	1,000,000	6.69E-06
231	0.77879	7.6675E-07	5.9714E-07	3.46E-04	2.07E-10	0.25	1.57E-01	8.12E-12	1,000,000	8.12E-06
232	0.94398	7.6675E-07	7.238E-07	3.46E-04	2.51E-10	0.25	1.57E-01	9.84E-12	1,000,000	9.84E-06
233	1.24995	7.6675E-07	9.584E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
234	1.63913	7.6675E-07	1.2568E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
235	2.23129	7.6675E-07	1.7108E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
236	3.09018	7.6675E-07	2.3694E-06	3.46E-04	8.20E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05
237	4.19173	7.6675E-07	3.214E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
238	5.49544	7.6675E-07	4.2136E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
239	6.849	7.6675E-07	5.2515E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.14E-11	1,000,000	7.14E-05
240	7.35836	7.6675E-07	5.642E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.67E-11	1,000,000	7.67E-05
241	7.35002	7.6675E-07	5.6356E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
242	5.99366	7.6675E-07	4.5957E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
243	5.05878	7.6675E-07	3.8788E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.27E-11	1,000,000	5.27E-05
244	4.02596	7.6675E-07	3.0869E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
245	3.20533	7.6675E-07	2.4577E-06	3.46E-04	8.51E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	2.58258	7.6675E-07	1.9802E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
247	2.11186	7.6675E-07	1.6193E-06	3.46E-04	5.61E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
248	1.75342	7.6675E-07	1.3444E-06	3.46E-04	4.65E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
249	0.36634	7.6675E-07	2.8089E-07	3.46E-04	9.72E-11	0.25	1.57E-01	3.82E-12	1,000,000	3.82E-06
250	0.41533	7.6675E-07	3.1846E-07	3.46E-04	1.10E-10	0.25	1.57E-01	4.33E-12	1,000,000	4.33E-06
251	0.47515	7.6675E-07	3.6432E-07	3.46E-04	1.26E-10	0.25	1.57E-01	4.95E-12	1,000,000	4.95E-06
252	0.56143	7.6675E-07	4.3048E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.85E-12	1,000,000	5.85E-06
253	0.66522	7.6675E-07	5.1006E-07	3.46E-04	1.77E-10	0.25	1.57E-01	6.94E-12	1,000,000	6.94E-06
254	0.82675	7.6675E-07	6.3391E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.62E-12	1,000,000	8.62E-06
255	1.01118	7.6675E-07	7.7533E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
256	1.3221	7.6675E-07	1.0137E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
257	1.65578	7.6675E-07	1.2696E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
258	2.09571	7.6675E-07	1.6069E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
259	2.77032	7.6675E-07	2.1242E-06	3.46E-04	7.35E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
260	3.52869	7.6675E-07	2.7056E-06	3.46E-04	9.37E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
261	4.16521	7.6675E-07	3.1937E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
262	4.35491	7.6675E-07	3.3391E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
263	4.19199	7.6675E-07	3.2142E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
264	3.86333	7.6675E-07	2.9622E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
265	3.65215	7.6675E-07	2.8003E-06	3.46E-04	9.69E-10	0.25	1.57E-01	3.81E-11	1,000,000	3.81E-05
266	3.1195	7.6675E-07	2.3919E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
267	2.61701	7.6675E-07	2.0066E-06	3.46E-04	6.95E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
268	2.20273	7.6675E-07	1.6889E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
269	1.86479	7.6675E-07	1.4298E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
270	1.58995	7.6675E-07	1.2191E-06	3.46E-04	4.22E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
271	0.32682	7.6675E-07	2.5059E-07	3.46E-04	8.67E-11	0.25	1.57E-01	3.41E-12	1,000,000	3.41E-06
272	0.36668	7.6675E-07	2.8115E-07	3.46E-04	9.73E-11	0.25	1.57E-01	3.82E-12	1,000,000	3.82E-06
273	0.41933	7.6675E-07	3.2152E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.37E-12	1,000,000	4.37E-06
274	0.48382	7.6675E-07	3.7097E-07	3.46E-04	1.28E-10	0.25	1.57E-01	5.04E-12	1,000,000	5.04E-06
275	0.56607	7.6675E-07	4.3404E-07	3.46E-04	1.50E-10	0.25	1.57E-01	5.90E-12	1,000,000	5.90E-06
276	0.68138	7.6675E-07	5.2245E-07	3.46E-04	1.81E-10	0.25	1.57E-01	7.10E-12	1,000,000	7.10E-06
277	0.82412	7.6675E-07	6.319E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.59E-12	1,000,000	8.59E-06
278	0.99264	7.6675E-07	7.6111E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	1.23069	7.6675E-07	9.4364E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
280	1.52518	7.6675E-07	1.1694E-06	3.46E-04	4.05E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
281	1.92012	7.6675E-07	1.4723E-06	3.46E-04	5.10E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
282	2.38772	7.6675E-07	1.8308E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
283	2.72107	7.6675E-07	2.0864E-06	3.46E-04	7.22E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
284	2.60812	7.6675E-07	1.9998E-06	3.46E-04	6.92E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
285	2.69662	7.6675E-07	2.0676E-06	3.46E-04	7.16E-10	0.25	1.57E-01	2.81E-11	1,000,000	2.81E-05
286	2.59604	7.6675E-07	1.9905E-06	3.46E-04	6.89E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
287	2.43208	7.6675E-07	1.8648E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
288	2.28434	7.6675E-07	1.7515E-06	3.46E-04	6.06E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
289	2.0834	7.6675E-07	1.5975E-06	3.46E-04	5.53E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
290	1.86687	7.6675E-07	1.4314E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
291	1.6248	7.6675E-07	1.2458E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
292	1.41339	7.6675E-07	1.0837E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
293	0.29352	7.6675E-07	2.2506E-07	3.46E-04	7.79E-11	0.25	1.57E-01	3.06E-12	1,000,000	3.06E-06
294	0.32852	7.6675E-07	2.5189E-07	3.46E-04	8.72E-11	0.25	1.57E-01	3.43E-12	1,000,000	3.43E-06
295	0.37001	7.6675E-07	2.8371E-07	3.46E-04	9.82E-11	0.25	1.57E-01	3.86E-12	1,000,000	3.86E-06
296	0.41761	7.6675E-07	3.202E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.35E-12	1,000,000	4.35E-06
297	0.48622	7.6675E-07	3.7281E-07	3.46E-04	1.29E-10	0.25	1.57E-01	5.07E-12	1,000,000	5.07E-06
298	0.56698	7.6675E-07	4.3473E-07	3.46E-04	1.50E-10	0.25	1.57E-01	5.91E-12	1,000,000	5.91E-06
299	0.66926	7.6675E-07	5.1316E-07	3.46E-04	1.78E-10	0.25	1.57E-01	6.98E-12	1,000,000	6.98E-06
300	0.81201	7.6675E-07	6.2261E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.47E-12	1,000,000	8.47E-06
301	0.94289	7.6675E-07	7.2296E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.83E-12	1,000,000	9.83E-06
302	1.15365	7.6675E-07	8.8456E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
303	1.38632	7.6675E-07	1.063E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
304	1.67298	7.6675E-07	1.2828E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
305	1.83801	7.6675E-07	1.4093E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
306	1.81265	7.6675E-07	1.3899E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
307	1.81118	7.6675E-07	1.3887E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
308	1.74515	7.6675E-07	1.3381E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
309	1.86055	7.6675E-07	1.4266E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
310	1.72602	7.6675E-07	1.3234E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
311	1.62436	7.6675E-07	1.2455E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	1.55004	7.6675E-07	1.1885E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
313	1.41501	7.6675E-07	1.085E-06	3.46E-04	3.76E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
314	1.29146	7.6675E-07	9.9023E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
315	0.25907	7.6675E-07	1.9864E-07	3.46E-04	6.88E-11	0.25	1.57E-01	2.70E-12	1,000,000	2.70E-06
316	0.28884	7.6675E-07	2.2147E-07	3.46E-04	7.67E-11	0.25	1.57E-01	3.01E-12	1,000,000	3.01E-06
317	0.32234	7.6675E-07	2.4716E-07	3.46E-04	8.56E-11	0.25	1.57E-01	3.36E-12	1,000,000	3.36E-06
318	0.36054	7.6675E-07	2.7645E-07	3.46E-04	9.57E-11	0.25	1.57E-01	3.76E-12	1,000,000	3.76E-06
319	0.40332	7.6675E-07	3.0925E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.21E-12	1,000,000	4.21E-06
320	0.47938	7.6675E-07	3.6757E-07	3.46E-04	1.27E-10	0.25	1.57E-01	5.00E-12	1,000,000	5.00E-06
321	0.5482	7.6675E-07	4.2033E-07	3.46E-04	1.46E-10	0.25	1.57E-01	5.72E-12	1,000,000	5.72E-06
322	0.64053	7.6675E-07	4.9113E-07	3.46E-04	1.70E-10	0.25	1.57E-01	6.68E-12	1,000,000	6.68E-06
323	0.76394	7.6675E-07	5.8575E-07	3.46E-04	2.03E-10	0.25	1.57E-01	7.97E-12	1,000,000	7.97E-06
324	0.89494	7.6675E-07	6.862E-07	3.46E-04	2.38E-10	0.25	1.57E-01	9.33E-12	1,000,000	9.33E-06
325	1.04358	7.6675E-07	8.0017E-07	3.46E-04	2.77E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
326	1.21337	7.6675E-07	9.3035E-07	3.46E-04	3.22E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
327	1.55497	7.6675E-07	1.1923E-06	3.46E-04	4.13E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
328	1.29876	7.6675E-07	9.9583E-07	3.46E-04	3.45E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
329	1.29491	7.6675E-07	9.9288E-07	3.46E-04	3.44E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
330	1.30207	7.6675E-07	9.9837E-07	3.46E-04	3.46E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
331	1.30483	7.6675E-07	1.0005E-06	3.46E-04	3.46E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
332	1.30034	7.6675E-07	9.9704E-07	3.46E-04	3.45E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
333	1.23207	7.6675E-07	9.4469E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
334	1.23004	7.6675E-07	9.4314E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
335	1.16796	7.6675E-07	8.9554E-07	3.46E-04	3.10E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
336	1.09908	7.6675E-07	8.4272E-07	3.46E-04	2.92E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
337	0.23352	7.6675E-07	1.7905E-07	3.46E-04	6.20E-11	0.25	1.57E-01	2.43E-12	1,000,000	2.43E-06
338	0.25667	7.6675E-07	1.968E-07	3.46E-04	6.81E-11	0.25	1.57E-01	2.68E-12	1,000,000	2.68E-06
339	0.28062	7.6675E-07	2.1517E-07	3.46E-04	7.45E-11	0.25	1.57E-01	2.93E-12	1,000,000	2.93E-06
340	0.31548	7.6675E-07	2.419E-07	3.46E-04	8.37E-11	0.25	1.57E-01	3.29E-12	1,000,000	3.29E-06
341	0.34954	7.6675E-07	2.6801E-07	3.46E-04	9.28E-11	0.25	1.57E-01	3.64E-12	1,000,000	3.64E-06
342	0.40718	7.6675E-07	3.1221E-07	3.46E-04	1.08E-10	0.25	1.57E-01	4.25E-12	1,000,000	4.25E-06
343	0.45623	7.6675E-07	3.4982E-07	3.46E-04	1.21E-10	0.25	1.57E-01	4.76E-12	1,000,000	4.76E-06
344	0.52675	7.6675E-07	4.0389E-07	3.46E-04	1.40E-10	0.25	1.57E-01	5.49E-12	1,000,000	5.49E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	0.60986	7.6675E-07	4.6761E-07	3.46E-04	1.62E-10	0.25	1.57E-01	6.36E-12	1,000,000	6.36E-06
346	0.71638	7.6675E-07	5.4929E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.47E-12	1,000,000	7.47E-06
347	0.80574	7.6675E-07	6.178E-07	3.46E-04	2.14E-10	0.25	1.57E-01	8.40E-12	1,000,000	8.40E-06
348	0.90328	7.6675E-07	6.9259E-07	3.46E-04	2.40E-10	0.25	1.57E-01	9.42E-12	1,000,000	9.42E-06
349	0.89432	7.6675E-07	6.8572E-07	3.46E-04	2.37E-10	0.25	1.57E-01	9.33E-12	1,000,000	9.33E-06
350	0.93273	7.6675E-07	7.1517E-07	3.46E-04	2.48E-10	0.25	1.57E-01	9.73E-12	1,000,000	9.73E-06
351	0.95949	7.6675E-07	7.3569E-07	3.46E-04	2.55E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
352	0.93557	7.6675E-07	7.1735E-07	3.46E-04	2.48E-10	0.25	1.57E-01	9.76E-12	1,000,000	9.76E-06
353	0.9809	7.6675E-07	7.5211E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
354	0.96129	7.6675E-07	7.3707E-07	3.46E-04	2.55E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
355	0.96486	7.6675E-07	7.3981E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
356	0.96405	7.6675E-07	7.3919E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
357	0.93356	7.6675E-07	7.1581E-07	3.46E-04	2.48E-10	0.25	1.57E-01	9.73E-12	1,000,000	9.73E-06
358	0.89523	7.6675E-07	6.8642E-07	3.46E-04	2.38E-10	0.25	1.57E-01	9.33E-12	1,000,000	9.33E-06
359	0.20687	7.6675E-07	1.5862E-07	3.46E-04	5.49E-11	0.25	1.57E-01	2.16E-12	1,000,000	2.16E-06
360	0.2273	7.6675E-07	1.7428E-07	3.46E-04	6.03E-11	0.25	1.57E-01	2.37E-12	1,000,000	2.37E-06
361	0.24871	7.6675E-07	1.907E-07	3.46E-04	6.60E-11	0.25	1.57E-01	2.59E-12	1,000,000	2.59E-06
362	0.27335	7.6675E-07	2.0959E-07	3.46E-04	7.26E-11	0.25	1.57E-01	2.85E-12	1,000,000	2.85E-06
363	0.29944	7.6675E-07	2.296E-07	3.46E-04	7.95E-11	0.25	1.57E-01	3.12E-12	1,000,000	3.12E-06
364	0.33914	7.6675E-07	2.6004E-07	3.46E-04	9.00E-11	0.25	1.57E-01	3.54E-12	1,000,000	3.54E-06
365	0.38456	7.6675E-07	2.9486E-07	3.46E-04	1.02E-10	0.25	1.57E-01	4.01E-12	1,000,000	4.01E-06
366	0.43979	7.6675E-07	3.3721E-07	3.46E-04	1.17E-10	0.25	1.57E-01	4.59E-12	1,000,000	4.59E-06
367	0.51063	7.6675E-07	3.9153E-07	3.46E-04	1.36E-10	0.25	1.57E-01	5.32E-12	1,000,000	5.32E-06
368	0.5747	7.6675E-07	4.4065E-07	3.46E-04	1.53E-10	0.25	1.57E-01	5.99E-12	1,000,000	5.99E-06
369	0.62713	7.6675E-07	4.8085E-07	3.46E-04	1.66E-10	0.25	1.57E-01	6.54E-12	1,000,000	6.54E-06
370	0.66249	7.6675E-07	5.0797E-07	3.46E-04	1.76E-10	0.25	1.57E-01	6.91E-12	1,000,000	6.91E-06
371	0.70711	7.6675E-07	5.4218E-07	3.46E-04	1.88E-10	0.25	1.57E-01	7.37E-12	1,000,000	7.37E-06
372	0.7327	7.6675E-07	5.618E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.64E-12	1,000,000	7.64E-06
373	0.72977	7.6675E-07	5.5955E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.61E-12	1,000,000	7.61E-06
374	0.71756	7.6675E-07	5.5019E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.48E-12	1,000,000	7.48E-06
375	0.74384	7.6675E-07	5.7034E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.76E-12	1,000,000	7.76E-06
376	0.73796	7.6675E-07	5.6583E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.69E-12	1,000,000	7.69E-06
377	0.74434	7.6675E-07	5.7072E-07	3.46E-04	1.98E-10	0.25	1.57E-01	7.76E-12	1,000,000	7.76E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	0.78285	7.6675E-07	6.0025E-07	3.46E-04	2.08E-10	0.25	1.57E-01	8.16E-12	1,000,000	8.16E-06
379	0.77871	7.6675E-07	5.9708E-07	3.46E-04	2.07E-10	0.25	1.57E-01	8.12E-12	1,000,000	8.12E-06
380	0.73748	7.6675E-07	5.6546E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.69E-12	1,000,000	7.69E-06
381	0.85186	7.6675E-07	6.5317E-07	3.46E-04	2.26E-10	0.25	1.57E-01	8.88E-12	1,000,000	8.88E-06
382	0.96919	7.6675E-07	7.4313E-07	3.46E-04	2.57E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
383	1.11131	7.6675E-07	8.521E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
384	1.28426	7.6675E-07	9.8471E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
385	1.49513	7.6675E-07	1.1464E-06	3.46E-04	3.97E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
386	1.75015	7.6675E-07	1.3419E-06	3.46E-04	4.65E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
387	2.05197	7.6675E-07	1.5734E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
388	2.39676	7.6675E-07	1.8377E-06	3.46E-04	6.36E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
389	2.76043	7.6675E-07	2.1166E-06	3.46E-04	7.33E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
390	3.09512	7.6675E-07	2.3732E-06	3.46E-04	8.22E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
391	3.33149	7.6675E-07	2.5544E-06	3.46E-04	8.84E-10	0.25	1.57E-01	3.47E-11	1,000,000	3.47E-05
392	3.40903	7.6675E-07	2.6139E-06	3.46E-04	9.05E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
393	3.30392	7.6675E-07	2.5333E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
394	3.05312	7.6675E-07	2.341E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
395	2.70845	7.6675E-07	2.0767E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
396	2.34775	7.6675E-07	1.8001E-06	3.46E-04	6.23E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
397	2.01232	7.6675E-07	1.543E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
398	1.71896	7.6675E-07	1.318E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
399	0.90082	7.6675E-07	6.9071E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.39E-12	1,000,000	9.39E-06
400	1.03527	7.6675E-07	7.938E-07	3.46E-04	2.75E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
401	1.2024	7.6675E-07	9.2194E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
402	1.41333	7.6675E-07	1.0837E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
403	1.68144	7.6675E-07	1.2892E-06	3.46E-04	4.46E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
404	2.0226	7.6675E-07	1.5508E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
405	2.45609	7.6675E-07	1.8832E-06	3.46E-04	6.52E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
406	2.99308	7.6675E-07	2.295E-06	3.46E-04	7.94E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
407	3.61337	7.6675E-07	2.7706E-06	3.46E-04	9.59E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
408	4.23949	7.6675E-07	3.2506E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
409	4.70914	7.6675E-07	3.6107E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.91E-11	1,000,000	4.91E-05
410	4.85691	7.6675E-07	3.724E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.06E-11	1,000,000	5.06E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	4.64461	7.6675E-07	3.5613E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
412	4.15265	7.6675E-07	3.1841E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
413	3.52803	7.6675E-07	2.7051E-06	3.46E-04	9.36E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
414	2.92696	7.6675E-07	2.2443E-06	3.46E-04	7.77E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
415	2.41088	7.6675E-07	1.8485E-06	3.46E-04	6.40E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
416	1.98814	7.6675E-07	1.5244E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
417	0.90787	7.6675E-07	6.9611E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.47E-12	1,000,000	9.47E-06
418	1.07769	7.6675E-07	8.2632E-07	3.46E-04	2.86E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
419	1.28675	7.6675E-07	9.8662E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
420	1.53714	7.6675E-07	1.1786E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
421	1.86962	7.6675E-07	1.4335E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
422	2.31963	7.6675E-07	1.7786E-06	3.46E-04	6.16E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
423	2.9393	7.6675E-07	2.2537E-06	3.46E-04	7.80E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
424	3.79168	7.6675E-07	2.9073E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
425	4.90837	7.6675E-07	3.7635E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
426	6.19125	7.6675E-07	4.7472E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.46E-11	1,000,000	6.46E-05
427	7.23986	7.6675E-07	5.5512E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.55E-11	1,000,000	7.55E-05
428	7.60385	7.6675E-07	5.8303E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.93E-11	1,000,000	7.93E-05
429	7.08793	7.6675E-07	5.4347E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.39E-11	1,000,000	7.39E-05
430	5.96449	7.6675E-07	4.5733E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.22E-11	1,000,000	6.22E-05
431	4.73341	7.6675E-07	3.6294E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.94E-11	1,000,000	4.94E-05
432	3.69131	7.6675E-07	2.8303E-06	3.46E-04	9.80E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
433	2.90813	7.6675E-07	2.2298E-06	3.46E-04	7.72E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
434	2.31575	7.6675E-07	1.7756E-06	3.46E-04	6.15E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
435	0.84666	7.6675E-07	6.4918E-07	3.46E-04	2.25E-10	0.25	1.57E-01	8.83E-12	1,000,000	8.83E-06
436	1.01969	7.6675E-07	7.8185E-07	3.46E-04	2.71E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
437	1.29399	7.6675E-07	9.9217E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
438	1.64385	7.6675E-07	1.2604E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
439	2.03858	7.6675E-07	1.5631E-06	3.46E-04	5.41E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
440	2.60547	7.6675E-07	1.9978E-06	3.46E-04	6.92E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
441	3.45668	7.6675E-07	2.6504E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
442	4.79355	7.6675E-07	3.6755E-06	3.46E-04	1.27E-09	0.25	1.57E-01	5.00E-11	1,000,000	5.00E-05
443	6.92865	7.6675E-07	5.3126E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.22E-11	1,000,000	7.22E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	9.98166	7.6675E-07	7.6535E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
445	12.90097	7.6675E-07	9.8919E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
446	13.92269	7.6675E-07	1.0675E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
447	12.36285	7.6675E-07	9.4793E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
448	9.28531	7.6675E-07	7.1195E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.68E-11	1,000,000	9.68E-05
449	6.57648	7.6675E-07	5.0425E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.86E-11	1,000,000	6.86E-05
450	4.71395	7.6675E-07	3.6144E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.92E-11	1,000,000	4.92E-05
451	3.47466	7.6675E-07	2.6642E-06	3.46E-04	9.22E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
452	2.67199	7.6675E-07	2.0488E-06	3.46E-04	7.09E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
453	0.80409	7.6675E-07	6.1654E-07	3.46E-04	2.13E-10	0.25	1.57E-01	8.38E-12	1,000,000	8.38E-06
454	0.96877	7.6675E-07	7.4281E-07	3.46E-04	2.57E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
455	1.2222	7.6675E-07	9.3713E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
456	1.59917	7.6675E-07	1.2262E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
457	2.10715	7.6675E-07	1.6157E-06	3.46E-04	5.59E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
458	2.80798	7.6675E-07	2.153E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
459	3.89987	7.6675E-07	2.9902E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
460	5.83422	7.6675E-07	4.4734E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.08E-11	1,000,000	6.08E-05
461	9.88955	7.6675E-07	7.5828E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
462	19.33538	7.6675E-07	1.4825E-05	3.46E-04	5.13E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
463	31.32272	7.6675E-07	2.4017E-05	3.46E-04	8.31E-09	0.25	1.57E-01	3.27E-10	1,000,000	3.27E-04
464	35.07264	7.6675E-07	2.6892E-05	3.46E-04	9.31E-09	0.25	1.57E-01	3.66E-10	1,000,000	3.66E-04
465	28.32216	7.6675E-07	2.1716E-05	3.46E-04	7.52E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
466	16.26895	7.6675E-07	1.2474E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
467	9.38713	7.6675E-07	7.1976E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.79E-11	1,000,000	9.79E-05
468	5.98339	7.6675E-07	4.5878E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.24E-11	1,000,000	6.24E-05
469	4.14762	7.6675E-07	3.1802E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
470	3.0582	7.6675E-07	2.3449E-06	3.46E-04	8.12E-10	0.25	1.57E-01	3.19E-11	1,000,000	3.19E-05
471	0.72864	7.6675E-07	5.5869E-07	3.46E-04	1.93E-10	0.25	1.57E-01	7.60E-12	1,000,000	7.60E-06
472	0.91136	7.6675E-07	6.9879E-07	3.46E-04	2.42E-10	0.25	1.57E-01	9.50E-12	1,000,000	9.50E-06
473	1.14475	7.6675E-07	8.7774E-07	3.46E-04	3.04E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
474	1.43879	7.6675E-07	1.1032E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
475	1.84988	7.6675E-07	1.4184E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
476	30.95871	7.6675E-07	2.3738E-05	3.46E-04	8.22E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	12.91187	7.6675E-07	9.9002E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
478	7.34283	7.6675E-07	5.6301E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
479	4.80042	7.6675E-07	3.6807E-06	3.46E-04	1.27E-09	0.25	1.57E-01	5.01E-11	1,000,000	5.01E-05
480	3.41623	7.6675E-07	2.6194E-06	3.46E-04	9.07E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
481	0.66376	7.6675E-07	5.0894E-07	3.46E-04	1.76E-10	0.25	1.57E-01	6.92E-12	1,000,000	6.92E-06
482	0.8289	7.6675E-07	6.3556E-07	3.46E-04	2.20E-10	0.25	1.57E-01	8.64E-12	1,000,000	8.64E-06
483	1.00724	7.6675E-07	7.723E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
484	1.27243	7.6675E-07	9.7564E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
485	1.73708	7.6675E-07	1.3319E-06	3.46E-04	4.61E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
486	36.40127	7.6675E-07	2.7911E-05	3.46E-04	9.66E-09	0.25	1.57E-01	3.80E-10	1,000,000	3.80E-04
487	14.179	7.6675E-07	1.0872E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
488	7.86338	7.6675E-07	6.0293E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.20E-11	1,000,000	8.20E-05
489	5.09829	7.6675E-07	3.9091E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
490	3.60783	7.6675E-07	2.7663E-06	3.46E-04	9.58E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
491	0.59331	7.6675E-07	4.5492E-07	3.46E-04	1.57E-10	0.25	1.57E-01	6.19E-12	1,000,000	6.19E-06
492	0.72109	7.6675E-07	5.529E-07	3.46E-04	1.91E-10	0.25	1.57E-01	7.52E-12	1,000,000	7.52E-06
493	0.86809	7.6675E-07	6.6561E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.05E-12	1,000,000	9.05E-06
494	1.09675	7.6675E-07	8.4094E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
495	1.45741	7.6675E-07	1.1175E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
496	4.40034	7.6675E-07	3.374E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.59E-11	1,000,000	4.59E-05
497	6.40391	7.6675E-07	4.9102E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
498	24.1467	7.6675E-07	1.8515E-05	3.46E-04	6.41E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
499	17.61387	7.6675E-07	1.3505E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
500	10.6893	7.6675E-07	8.1961E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
501	6.887	7.6675E-07	5.2806E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
502	4.76705	7.6675E-07	3.6551E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.97E-11	1,000,000	4.97E-05
503	3.4919	7.6675E-07	2.6774E-06	3.46E-04	9.27E-10	0.25	1.57E-01	3.64E-11	1,000,000	3.64E-05
504	0.53086	7.6675E-07	4.0704E-07	3.46E-04	1.41E-10	0.25	1.57E-01	5.54E-12	1,000,000	5.54E-06
505	0.61835	7.6675E-07	4.7412E-07	3.46E-04	1.64E-10	0.25	1.57E-01	6.45E-12	1,000,000	6.45E-06
506	0.76901	7.6675E-07	5.8964E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.02E-12	1,000,000	8.02E-06
507	0.92711	7.6675E-07	7.1086E-07	3.46E-04	2.46E-10	0.25	1.57E-01	9.67E-12	1,000,000	9.67E-06
508	1.22642	7.6675E-07	9.4036E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
509	1.59939	7.6675E-07	1.2263E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	2.15881	7.6675E-07	1.6553E-06	3.46E-04	5.73E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
511	3.04832	7.6675E-07	2.3373E-06	3.46E-04	8.09E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
512	4.41077	7.6675E-07	3.382E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.60E-11	1,000,000	4.60E-05
513	6.07082	7.6675E-07	4.6548E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
514	8.22839	7.6675E-07	6.3091E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
515	9.88246	7.6675E-07	7.5774E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
516	10.44084	7.6675E-07	8.0055E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
517	8.98765	7.6675E-07	6.8913E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.37E-11	1,000,000	9.37E-05
518	6.95889	7.6675E-07	5.3357E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.26E-11	1,000,000	7.26E-05
519	5.25619	7.6675E-07	4.0302E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.48E-11	1,000,000	5.48E-05
520	4.00288	7.6675E-07	3.0692E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.17E-11	1,000,000	4.17E-05
521	3.10983	7.6675E-07	2.3845E-06	3.46E-04	8.25E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
522	0.46958	7.6675E-07	3.6005E-07	3.46E-04	1.25E-10	0.25	1.57E-01	4.90E-12	1,000,000	4.90E-06
523	0.5563	7.6675E-07	4.2654E-07	3.46E-04	1.48E-10	0.25	1.57E-01	5.80E-12	1,000,000	5.80E-06
524	0.66546	7.6675E-07	5.1024E-07	3.46E-04	1.77E-10	0.25	1.57E-01	6.94E-12	1,000,000	6.94E-06
525	0.8012	7.6675E-07	6.1432E-07	3.46E-04	2.13E-10	0.25	1.57E-01	8.35E-12	1,000,000	8.35E-06
526	0.95581	7.6675E-07	7.3287E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.97E-12	1,000,000	9.97E-06
527	1.28079	7.6675E-07	9.8205E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
528	1.6579	7.6675E-07	1.2712E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
529	2.19465	7.6675E-07	1.6828E-06	3.46E-04	5.83E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
530	2.97943	7.6675E-07	2.2845E-06	3.46E-04	7.91E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
531	3.86892	7.6675E-07	2.9665E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
532	4.78044	7.6675E-07	3.6654E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.98E-11	1,000,000	4.98E-05
533	5.7061	7.6675E-07	4.3752E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.95E-11	1,000,000	5.95E-05
534	5.47641	7.6675E-07	4.1991E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.71E-11	1,000,000	5.71E-05
535	5.2224	7.6675E-07	4.0043E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.45E-11	1,000,000	5.45E-05
536	4.61923	7.6675E-07	3.5418E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
537	3.9091	7.6675E-07	2.9973E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
538	3.20057	7.6675E-07	2.454E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
539	2.63142	7.6675E-07	2.0176E-06	3.46E-04	6.98E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
540	0.41666	7.6675E-07	3.1948E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.34E-12	1,000,000	4.34E-06
541	0.48674	7.6675E-07	3.7321E-07	3.46E-04	1.29E-10	0.25	1.57E-01	5.08E-12	1,000,000	5.08E-06
542	0.57207	7.6675E-07	4.3864E-07	3.46E-04	1.52E-10	0.25	1.57E-01	5.97E-12	1,000,000	5.97E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	0.67956	7.6675E-07	5.2105E-07	3.46E-04	1.80E-10	0.25	1.57E-01	7.09E-12	1,000,000	7.09E-06
544	0.83679	7.6675E-07	6.4161E-07	3.46E-04	2.22E-10	0.25	1.57E-01	8.73E-12	1,000,000	8.73E-06
545	1.00987	7.6675E-07	7.7432E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
546	1.27177	7.6675E-07	9.7513E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
547	1.58741	7.6675E-07	1.2172E-06	3.46E-04	4.21E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
548	2.05754	7.6675E-07	1.5776E-06	3.46E-04	5.46E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
549	2.56797	7.6675E-07	1.969E-06	3.46E-04	6.82E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
550	3.15647	7.6675E-07	2.4202E-06	3.46E-04	8.38E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
551	4.14534	7.6675E-07	3.1785E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
552	3.45442	7.6675E-07	2.6487E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
553	3.25232	7.6675E-07	2.4937E-06	3.46E-04	8.63E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
554	2.99315	7.6675E-07	2.295E-06	3.46E-04	7.94E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
555	2.98292	7.6675E-07	2.2872E-06	3.46E-04	7.92E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
556	2.5573	7.6675E-07	1.9608E-06	3.46E-04	6.79E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
557	2.1869	7.6675E-07	1.6768E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
558	0.37103	7.6675E-07	2.8449E-07	3.46E-04	9.85E-11	0.25	1.57E-01	3.87E-12	1,000,000	3.87E-06
559	0.42867	7.6675E-07	3.2868E-07	3.46E-04	1.14E-10	0.25	1.57E-01	4.47E-12	1,000,000	4.47E-06
560	0.48696	7.6675E-07	3.7338E-07	3.46E-04	1.29E-10	0.25	1.57E-01	5.08E-12	1,000,000	5.08E-06
561	0.57246	7.6675E-07	4.3894E-07	3.46E-04	1.52E-10	0.25	1.57E-01	5.97E-12	1,000,000	5.97E-06
562	0.66507	7.6675E-07	5.0994E-07	3.46E-04	1.77E-10	0.25	1.57E-01	6.93E-12	1,000,000	6.93E-06
563	0.79345	7.6675E-07	6.0838E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.27E-12	1,000,000	8.27E-06
564	0.98666	7.6675E-07	7.5652E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
565	1.18378	7.6675E-07	9.0767E-07	3.46E-04	3.14E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
566	1.48272	7.6675E-07	1.1369E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
567	1.78543	7.6675E-07	1.369E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
568	2.1565	7.6675E-07	1.6535E-06	3.46E-04	5.72E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
569	2.15325	7.6675E-07	1.651E-06	3.46E-04	5.72E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
570	2.12738	7.6675E-07	1.6312E-06	3.46E-04	5.65E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05
571	2.17114	7.6675E-07	1.6647E-06	3.46E-04	5.76E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
572	2.19553	7.6675E-07	1.6834E-06	3.46E-04	5.83E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
573	2.05164	7.6675E-07	1.5731E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
574	1.91391	7.6675E-07	1.4675E-06	3.46E-04	5.08E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
575	1.7972	7.6675E-07	1.378E-06	3.46E-04	4.77E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	7.6675E-07	4.7567E-07	1.05E-03	4.97E-10	2.00	1.57E-01	1.56E-10	1,000,000	1.6E-04
2	7.6675E-07	5.2468E-07	1.05E-03	5.48E-10	2.00	1.57E-01	1.72E-10	1,000,000	1.72E-04
3	7.6675E-07	5.8066E-07	1.05E-03	6.07E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04
4	7.6675E-07	6.4435E-07	1.05E-03	6.73E-10	2.00	1.57E-01	2.12E-10	1,000,000	2.12E-04
5	7.6675E-07	7.167E-07	1.05E-03	7.49E-10	2.00	1.57E-01	2.35E-10	1,000,000	2.35E-04
6	7.6675E-07	7.9805E-07	1.05E-03	8.34E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
7	7.6675E-07	8.8736E-07	1.05E-03	9.27E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
8	7.6675E-07	9.8314E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
9	7.6675E-07	1.0823E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
10	7.6675E-07	1.1778E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
11	7.6675E-07	1.2612E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
12	7.6675E-07	1.3233E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
13	7.6675E-07	1.3555E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
14	7.6675E-07	1.3526E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
15	7.6675E-07	1.3154E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.32E-10	1,000,000	4.32E-04
16	7.6675E-07	1.2479E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
17	7.6675E-07	1.1632E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
18	7.6675E-07	1.0675E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.51E-10	1,000,000	3.51E-04
19	7.6675E-07	9.6829E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.18E-10	1,000,000	3.18E-04
20	7.6675E-07	8.7477E-07	1.05E-03	9.14E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
21	7.6675E-07	7.8739E-07	1.05E-03	8.23E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	7.6675E-07	7.0721E-07	1.05E-03	7.39E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
23	7.6675E-07	5.045E-07	1.05E-03	5.27E-10	2.00	1.57E-01	1.66E-10	1,000,000	1.66E-04
24	7.6675E-07	5.6093E-07	1.05E-03	5.86E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
25	7.6675E-07	6.266E-07	1.05E-03	6.55E-10	2.00	1.57E-01	2.06E-10	1,000,000	2.06E-04
26	7.6675E-07	7.0314E-07	1.05E-03	7.35E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04
27	7.6675E-07	7.9214E-07	1.05E-03	8.28E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
28	7.6675E-07	8.9558E-07	1.05E-03	9.36E-10	2.00	1.57E-01	2.94E-10	1,000,000	2.94E-04
29	7.6675E-07	1.013E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
30	7.6675E-07	1.1448E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
31	7.6675E-07	1.2856E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04
32	7.6675E-07	1.4273E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
33	7.6675E-07	1.5553E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
34	7.6675E-07	1.6555E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.44E-10	1,000,000	5.44E-04
35	7.6675E-07	1.7093E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.62E-10	1,000,000	5.62E-04
36	7.6675E-07	1.7069E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
37	7.6675E-07	1.6417E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.39E-10	1,000,000	5.39E-04
38	7.6675E-07	1.5362E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
39	7.6675E-07	1.4076E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.62E-10	1,000,000	4.62E-04
40	7.6675E-07	1.2665E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.16E-10	1,000,000	4.16E-04
41	7.6675E-07	1.1263E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
42	7.6675E-07	9.9639E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.27E-10	1,000,000	3.27E-04
43	7.6675E-07	8.8026E-07	1.05E-03	9.20E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
44	7.6675E-07	7.8349E-07	1.05E-03	8.19E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
45	7.6675E-07	5.3251E-07	1.05E-03	5.57E-10	2.00	1.57E-01	1.75E-10	1,000,000	1.75E-04
46	7.6675E-07	5.9686E-07	1.05E-03	6.24E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
47	7.6675E-07	6.7322E-07	1.05E-03	7.04E-10	2.00	1.57E-01	2.21E-10	1,000,000	2.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	7.6675E-07	7.6432E-07	1.05E-03	7.99E-10	2.00	1.57E-01	2.51E-10	1,000,000	2.51E-04
49	7.6675E-07	8.7332E-07	1.05E-03	9.13E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
50	7.6675E-07	1.0038E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.30E-10	1,000,000	3.30E-04
51	7.6675E-07	1.159E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
52	7.6675E-07	1.3406E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
53	7.6675E-07	1.5464E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.08E-10	1,000,000	5.08E-04
54	7.6675E-07	1.7641E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
55	7.6675E-07	1.973E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.48E-10	1,000,000	6.48E-04
56	7.6675E-07	2.1413E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.03E-10	1,000,000	7.03E-04
57	7.6675E-07	2.2333E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.34E-10	1,000,000	7.34E-04
58	7.6675E-07	2.2325E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
59	7.6675E-07	2.12E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.96E-10	1,000,000	6.96E-04
60	7.6675E-07	1.9421E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.38E-10	1,000,000	6.38E-04
61	7.6675E-07	1.7351E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.70E-10	1,000,000	5.70E-04
62	7.6675E-07	1.5187E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
63	7.6675E-07	1.3176E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
64	7.6675E-07	1.1415E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
65	7.6675E-07	9.9229E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.26E-10	1,000,000	3.26E-04
66	7.6675E-07	8.6691E-07	1.05E-03	9.06E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
67	7.6675E-07	5.5853E-07	1.05E-03	5.84E-10	2.00	1.57E-01	1.83E-10	1,000,000	1.83E-04
68	7.6675E-07	6.3085E-07	1.05E-03	6.59E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
69	7.6675E-07	7.1823E-07	1.05E-03	7.51E-10	2.00	1.57E-01	2.36E-10	1,000,000	2.36E-04
70	7.6675E-07	8.2516E-07	1.05E-03	8.62E-10	2.00	1.57E-01	2.71E-10	1,000,000	2.71E-04
71	7.6675E-07	9.5695E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
72	7.6675E-07	1.1206E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.68E-10	1,000,000	3.68E-04
73	7.6675E-07	1.3244E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
74	7.6675E-07	1.576E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.18E-10	1,000,000	5.18E-04
75	7.6675E-07	1.8803E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.18E-10	1,000,000	6.18E-04
76	7.6675E-07	2.23E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
77	7.6675E-07	2.593E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
78	7.6675E-07	2.9067E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.55E-10	1,000,000	9.55E-04
79	7.6675E-07	3.0787E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
80	7.6675E-07	3.0617E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	7.6675E-07	2.8595E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.39E-10	1,000,000	9.39E-04
82	7.6675E-07	2.5457E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
83	7.6675E-07	2.1837E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.17E-10	1,000,000	7.17E-04
84	7.6675E-07	1.8454E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.06E-10	1,000,000	6.06E-04
85	7.6675E-07	1.543E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
86	7.6675E-07	1.3082E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
87	7.6675E-07	1.1128E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.66E-10	1,000,000	3.66E-04
88	7.6675E-07	9.5674E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
89	7.6675E-07	5.6659E-07	1.05E-03	5.92E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
90	7.6675E-07	6.6152E-07	1.05E-03	6.91E-10	2.00	1.57E-01	2.17E-10	1,000,000	2.17E-04
91	7.6675E-07	7.5967E-07	1.05E-03	7.94E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04
92	7.6675E-07	8.8222E-07	1.05E-03	9.22E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
93	7.6675E-07	1.0379E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
94	7.6675E-07	1.2394E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.07E-10	1,000,000	4.07E-04
95	7.6675E-07	1.5026E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04
96	7.6675E-07	1.8496E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.08E-10	1,000,000	6.08E-04
97	7.6675E-07	2.3066E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.58E-10	1,000,000	7.58E-04
98	7.6675E-07	2.8869E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.48E-10	1,000,000	9.48E-04
99	7.6675E-07	3.5553E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
100	7.6675E-07	4.1849E-06	1.05E-03	4.37E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
101	7.6675E-07	4.5576E-06	1.05E-03	4.76E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
102	7.6675E-07	4.5164E-06	1.05E-03	4.72E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
103	7.6675E-07	4.0907E-06	1.05E-03	4.28E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
104	7.6675E-07	3.4503E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
105	7.6675E-07	2.8105E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.23E-10	1,000,000	9.23E-04
106	7.6675E-07	2.2612E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.43E-10	1,000,000	7.43E-04
107	7.6675E-07	1.8269E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
108	7.6675E-07	1.4967E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.92E-10	1,000,000	4.92E-04
109	7.6675E-07	1.2444E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
110	7.6675E-07	1.0524E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
111	7.6675E-07	5.3585E-07	1.05E-03	5.60E-10	2.00	1.57E-01	1.76E-10	1,000,000	1.76E-04
112	7.6675E-07	6.4581E-07	1.05E-03	6.75E-10	2.00	1.57E-01	2.12E-10	1,000,000	2.12E-04
113	7.6675E-07	7.2627E-07	1.05E-03	7.59E-10	2.00	1.57E-01	2.39E-10	1,000,000	2.39E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	7.6675E-07	8.6666E-07	1.05E-03	9.06E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
115	7.6675E-07	1.095E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.60E-10	1,000,000	3.60E-04
116	7.6675E-07	1.3506E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
117	7.6675E-07	1.6796E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.52E-10	1,000,000	5.52E-04
118	7.6675E-07	2.1456E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.05E-10	1,000,000	7.05E-04
119	7.6675E-07	2.8242E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.28E-10	1,000,000	9.28E-04
120	7.6675E-07	3.8164E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
121	7.6675E-07	5.1774E-06	1.05E-03	5.41E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
122	7.6675E-07	6.6493E-06	1.05E-03	6.95E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
123	7.6675E-07	7.5944E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
124	7.6675E-07	7.4757E-06	1.05E-03	7.81E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
125	7.6675E-07	6.3759E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
126	7.6675E-07	4.9197E-06	1.05E-03	5.14E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
127	7.6675E-07	3.6877E-06	1.05E-03	3.85E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
128	7.6675E-07	2.7868E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.15E-10	1,000,000	9.15E-04
129	7.6675E-07	2.1509E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
130	7.6675E-07	1.7085E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
131	7.6675E-07	1.3875E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
132	7.6675E-07	1.1528E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.79E-10	1,000,000	3.79E-04
133	7.6675E-07	5.0656E-07	1.05E-03	5.29E-10	2.00	1.57E-01	1.66E-10	1,000,000	1.66E-04
134	7.6675E-07	5.8983E-07	1.05E-03	6.16E-10	2.00	1.57E-01	1.94E-10	1,000,000	1.94E-04
135	7.6675E-07	6.9162E-07	1.05E-03	7.23E-10	2.00	1.57E-01	2.27E-10	1,000,000	2.27E-04
136	7.6675E-07	8.554E-07	1.05E-03	8.94E-10	2.00	1.57E-01	2.81E-10	1,000,000	2.81E-04
137	7.6675E-07	1.1384E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
138	7.6675E-07	1.4367E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
139	7.6675E-07	1.8296E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.01E-10	1,000,000	6.01E-04
140	7.6675E-07	2.4173E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.94E-10	1,000,000	7.94E-04
141	7.6675E-07	3.3752E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
142	7.6675E-07	5.0524E-06	1.05E-03	5.28E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
143	7.6675E-07	8.1238E-06	1.05E-03	8.49E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
144	7.6675E-07	1.2589E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
145	7.6675E-07	1.566E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.14E-09	1,000,000	5.14E-03
146	7.6675E-07	1.5214E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	7.6675E-07	1.1445E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.76E-09	1,000,000	3.76E-03
148	7.6675E-07	7.4412E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
149	7.6675E-07	4.9212E-06	1.05E-03	5.14E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
150	7.6675E-07	3.4248E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
151	7.6675E-07	2.5157E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.26E-10	1,000,000	8.26E-04
152	7.6675E-07	1.935E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.36E-10	1,000,000	6.36E-04
153	7.6675E-07	1.5375E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
154	7.6675E-07	1.2554E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
155	7.6675E-07	4.4356E-07	1.05E-03	4.64E-10	2.00	1.57E-01	1.46E-10	1,000,000	1.46E-04
156	7.6675E-07	5.2737E-07	1.05E-03	5.51E-10	2.00	1.57E-01	1.73E-10	1,000,000	1.73E-04
157	7.6675E-07	6.5774E-07	1.05E-03	6.87E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
158	7.6675E-07	7.9188E-07	1.05E-03	8.28E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
159	7.6675E-07	1.0052E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.30E-10	1,000,000	3.30E-04
160	7.6675E-07	1.2939E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
161	7.6675E-07	1.7384E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.71E-10	1,000,000	5.71E-04
162	7.6675E-07	2.5616E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.41E-10	1,000,000	8.41E-04
163	7.6675E-07	3.7827E-06	1.05E-03	3.95E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
164	7.6675E-07	6.2581E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
165	7.6675E-07	1.3546E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.45E-09	1,000,000	4.45E-03
166	7.6675E-07	4.072E-05	1.05E-03	4.26E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
167	7.6675E-07	5.5746E-05	1.05E-03	5.83E-08	2.00	1.57E-01	1.83E-08	1,000,000	1.83E-02
168	7.6675E-07	5.5056E-05	1.05E-03	5.75E-08	2.00	1.57E-01	1.81E-08	1,000,000	1.81E-02
169	7.6675E-07	2.7261E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.95E-09	1,000,000	8.95E-03
170	7.6675E-07	1.1828E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
171	7.6675E-07	6.4864E-06	1.05E-03	6.78E-09	2.00	1.57E-01	2.13E-09	1,000,000	2.13E-03
172	7.6675E-07	4.1529E-06	1.05E-03	4.34E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
173	7.6675E-07	2.9044E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.54E-10	1,000,000	9.54E-04
174	7.6675E-07	2.1634E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.11E-10	1,000,000	7.11E-04
175	7.6675E-07	1.6859E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.54E-10	1,000,000	5.54E-04
176	7.6675E-07	1.3562E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
177	7.6675E-07	4.1318E-07	1.05E-03	4.32E-10	2.00	1.57E-01	1.36E-10	1,000,000	1.36E-04
178	7.6675E-07	4.9749E-07	1.05E-03	5.20E-10	2.00	1.57E-01	1.63E-10	1,000,000	1.63E-04
179	7.6675E-07	6.1987E-07	1.05E-03	6.48E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	7.6675E-07	7.7674E-07	1.05E-03	8.12E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
181	7.6675E-07	9.7276E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
182	7.6675E-07	1.2306E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
183	7.6675E-07	1.6275E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.35E-10	1,000,000	5.35E-04
184	7.6675E-07	6.6539E-05	1.05E-03	6.95E-08	2.00	1.57E-01	2.19E-08	1,000,000	2.19E-02
185	7.6675E-07	1.6363E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.37E-09	1,000,000	5.37E-03
186	7.6675E-07	7.8448E-06	1.05E-03	8.20E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
187	7.6675E-07	4.7192E-06	1.05E-03	4.93E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
188	7.6675E-07	3.2006E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
189	7.6675E-07	2.3407E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
190	7.6675E-07	1.7994E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
191	7.6675E-07	1.4338E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
192	7.6675E-07	3.7592E-07	1.05E-03	3.93E-10	2.00	1.57E-01	1.23E-10	1,000,000	1.23E-04
193	7.6675E-07	4.4317E-07	1.05E-03	4.63E-10	2.00	1.57E-01	1.46E-10	1,000,000	1.46E-04
194	7.6675E-07	5.4352E-07	1.05E-03	5.68E-10	2.00	1.57E-01	1.79E-10	1,000,000	1.79E-04
195	7.6675E-07	6.7183E-07	1.05E-03	7.02E-10	2.00	1.57E-01	2.21E-10	1,000,000	2.21E-04
196	7.6675E-07	8.5791E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
197	7.6675E-07	1.0745E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.53E-10	1,000,000	3.53E-04
198	7.6675E-07	1.4443E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
199	7.6675E-07	4.7273E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
200	7.6675E-07	3.2795E-05	1.05E-03	3.43E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
201	7.6675E-07	1.3701E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
202	7.6675E-07	7.3807E-06	1.05E-03	7.71E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
203	7.6675E-07	4.659E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
204	7.6675E-07	3.2263E-06	1.05E-03	3.37E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
205	7.6675E-07	2.3799E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
206	7.6675E-07	1.8365E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.03E-10	1,000,000	6.03E-04
207	7.6675E-07	1.4664E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
208	7.6675E-07	3.4242E-07	1.05E-03	3.58E-10	2.00	1.57E-01	1.12E-10	1,000,000	1.12E-04
209	7.6675E-07	4.0045E-07	1.05E-03	4.19E-10	2.00	1.57E-01	1.32E-10	1,000,000	1.32E-04
210	7.6675E-07	4.6257E-07	1.05E-03	4.83E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
211	7.6675E-07	5.6928E-07	1.05E-03	5.95E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
212	7.6675E-07	6.9679E-07	1.05E-03	7.28E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	7.6675E-07	8.9238E-07	1.05E-03	9.33E-10	2.00	1.57E-01	2.93E-10	1,000,000	2.93E-04
214	7.6675E-07	1.1996E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
215	7.6675E-07	1.6175E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
216	7.6675E-07	2.4176E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.94E-10	1,000,000	7.94E-04
217	7.6675E-07	3.452E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
218	7.6675E-07	1.1467E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
219	7.6675E-07	1.0683E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
220	7.6675E-07	7.9149E-06	1.05E-03	8.27E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
221	7.6675E-07	5.5375E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
222	7.6675E-07	3.9508E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
223	7.6675E-07	2.9237E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.60E-10	1,000,000	9.60E-04
224	7.6675E-07	2.241E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.36E-10	1,000,000	7.36E-04
225	7.6675E-07	1.7702E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
226	7.6675E-07	1.4346E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
227	7.6675E-07	3.0961E-07	1.05E-03	3.24E-10	2.00	1.57E-01	1.02E-10	1,000,000	1.02E-04
228	7.6675E-07	3.5589E-07	1.05E-03	3.72E-10	2.00	1.57E-01	1.17E-10	1,000,000	1.17E-04
229	7.6675E-07	4.1336E-07	1.05E-03	4.32E-10	2.00	1.57E-01	1.36E-10	1,000,000	1.36E-04
230	7.6675E-07	4.9206E-07	1.05E-03	5.14E-10	2.00	1.57E-01	1.62E-10	1,000,000	1.62E-04
231	7.6675E-07	5.9714E-07	1.05E-03	6.24E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
232	7.6675E-07	7.238E-07	1.05E-03	7.57E-10	2.00	1.57E-01	2.38E-10	1,000,000	2.38E-04
233	7.6675E-07	9.584E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
234	7.6675E-07	1.2568E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
235	7.6675E-07	1.7108E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.62E-10	1,000,000	5.62E-04
236	7.6675E-07	2.3694E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.78E-10	1,000,000	7.78E-04
237	7.6675E-07	3.214E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
238	7.6675E-07	4.2136E-06	1.05E-03	4.40E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
239	7.6675E-07	5.2515E-06	1.05E-03	5.49E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
240	7.6675E-07	5.642E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
241	7.6675E-07	5.6356E-06	1.05E-03	5.89E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
242	7.6675E-07	4.5957E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
243	7.6675E-07	3.8788E-06	1.05E-03	4.05E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
244	7.6675E-07	3.0869E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
245	7.6675E-07	2.4577E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.07E-10	1,000,000	8.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	7.6675E-07	1.9802E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
247	7.6675E-07	1.6193E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.32E-10	1,000,000	5.32E-04
248	7.6675E-07	1.3444E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.42E-10	1,000,000	4.42E-04
249	7.6675E-07	2.8089E-07	1.05E-03	2.94E-10	2.00	1.57E-01	9.23E-11	1,000,000	9.23E-05
250	7.6675E-07	3.1846E-07	1.05E-03	3.33E-10	2.00	1.57E-01	1.05E-10	1,000,000	1.05E-04
251	7.6675E-07	3.6432E-07	1.05E-03	3.81E-10	2.00	1.57E-01	1.20E-10	1,000,000	1.20E-04
252	7.6675E-07	4.3048E-07	1.05E-03	4.50E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
253	7.6675E-07	5.1006E-07	1.05E-03	5.33E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
254	7.6675E-07	6.3391E-07	1.05E-03	6.63E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
255	7.6675E-07	7.7533E-07	1.05E-03	8.10E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
256	7.6675E-07	1.0137E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
257	7.6675E-07	1.2696E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
258	7.6675E-07	1.6069E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
259	7.6675E-07	2.1242E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.98E-10	1,000,000	6.98E-04
260	7.6675E-07	2.7056E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
261	7.6675E-07	3.1937E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
262	7.6675E-07	3.3391E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
263	7.6675E-07	3.2142E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
264	7.6675E-07	2.9622E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
265	7.6675E-07	2.8003E-06	1.05E-03	2.93E-09	2.00	1.57E-01	9.20E-10	1,000,000	9.20E-04
266	7.6675E-07	2.3919E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.86E-10	1,000,000	7.86E-04
267	7.6675E-07	2.0066E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.59E-10	1,000,000	6.59E-04
268	7.6675E-07	1.6889E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
269	7.6675E-07	1.4298E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
270	7.6675E-07	1.2191E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.00E-10	1,000,000	4.00E-04
271	7.6675E-07	2.5059E-07	1.05E-03	2.62E-10	2.00	1.57E-01	8.23E-11	1,000,000	8.23E-05
272	7.6675E-07	2.8115E-07	1.05E-03	2.94E-10	2.00	1.57E-01	9.24E-11	1,000,000	9.24E-05
273	7.6675E-07	3.2152E-07	1.05E-03	3.36E-10	2.00	1.57E-01	1.06E-10	1,000,000	1.06E-04
274	7.6675E-07	3.7097E-07	1.05E-03	3.88E-10	2.00	1.57E-01	1.22E-10	1,000,000	1.22E-04
275	7.6675E-07	4.3404E-07	1.05E-03	4.54E-10	2.00	1.57E-01	1.43E-10	1,000,000	1.43E-04
276	7.6675E-07	5.2245E-07	1.05E-03	5.46E-10	2.00	1.57E-01	1.72E-10	1,000,000	1.72E-04
277	7.6675E-07	6.319E-07	1.05E-03	6.60E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
278	7.6675E-07	7.6111E-07	1.05E-03	7.96E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	7.6675E-07	9.4364E-07	1.05E-03	9.86E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
280	7.6675E-07	1.1694E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.84E-10	1,000,000	3.84E-04
281	7.6675E-07	1.4723E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.84E-10	1,000,000	4.84E-04
282	7.6675E-07	1.8308E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.01E-10	1,000,000	6.01E-04
283	7.6675E-07	2.0864E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.85E-10	1,000,000	6.85E-04
284	7.6675E-07	1.9998E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.57E-10	1,000,000	6.57E-04
285	7.6675E-07	2.0676E-06	1.05E-03	2.16E-09	2.00	1.57E-01	6.79E-10	1,000,000	6.79E-04
286	7.6675E-07	1.9905E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.54E-10	1,000,000	6.54E-04
287	7.6675E-07	1.8648E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
288	7.6675E-07	1.7515E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.75E-10	1,000,000	5.75E-04
289	7.6675E-07	1.5975E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.25E-10	1,000,000	5.25E-04
290	7.6675E-07	1.4314E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
291	7.6675E-07	1.2458E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
292	7.6675E-07	1.0837E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
293	7.6675E-07	2.2506E-07	1.05E-03	2.35E-10	2.00	1.57E-01	7.39E-11	1,000,000	7.39E-05
294	7.6675E-07	2.5189E-07	1.05E-03	2.63E-10	2.00	1.57E-01	8.27E-11	1,000,000	8.27E-05
295	7.6675E-07	2.8371E-07	1.05E-03	2.97E-10	2.00	1.57E-01	9.32E-11	1,000,000	9.32E-05
296	7.6675E-07	3.202E-07	1.05E-03	3.35E-10	2.00	1.57E-01	1.05E-10	1,000,000	1.05E-04
297	7.6675E-07	3.7281E-07	1.05E-03	3.90E-10	2.00	1.57E-01	1.22E-10	1,000,000	1.22E-04
298	7.6675E-07	4.3473E-07	1.05E-03	4.54E-10	2.00	1.57E-01	1.43E-10	1,000,000	1.43E-04
299	7.6675E-07	5.1316E-07	1.05E-03	5.36E-10	2.00	1.57E-01	1.69E-10	1,000,000	1.69E-04
300	7.6675E-07	6.2261E-07	1.05E-03	6.51E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
301	7.6675E-07	7.2296E-07	1.05E-03	7.56E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
302	7.6675E-07	8.8456E-07	1.05E-03	9.25E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
303	7.6675E-07	1.063E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
304	7.6675E-07	1.2828E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
305	7.6675E-07	1.4093E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
306	7.6675E-07	1.3899E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
307	7.6675E-07	1.3887E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
308	7.6675E-07	1.3381E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
309	7.6675E-07	1.4266E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
310	7.6675E-07	1.3234E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
311	7.6675E-07	1.2455E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	7.6675E-07	1.1885E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
313	7.6675E-07	1.085E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
314	7.6675E-07	9.9023E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
315	7.6675E-07	1.9864E-07	1.05E-03	2.08E-10	2.00	1.57E-01	6.53E-11	1,000,000	6.53E-05
316	7.6675E-07	2.2147E-07	1.05E-03	2.31E-10	2.00	1.57E-01	7.28E-11	1,000,000	7.28E-05
317	7.6675E-07	2.4716E-07	1.05E-03	2.58E-10	2.00	1.57E-01	8.12E-11	1,000,000	8.12E-05
318	7.6675E-07	2.7645E-07	1.05E-03	2.89E-10	2.00	1.57E-01	9.08E-11	1,000,000	9.08E-05
319	7.6675E-07	3.0925E-07	1.05E-03	3.23E-10	2.00	1.57E-01	1.02E-10	1,000,000	1.02E-04
320	7.6675E-07	3.6757E-07	1.05E-03	3.84E-10	2.00	1.57E-01	1.21E-10	1,000,000	1.21E-04
321	7.6675E-07	4.2033E-07	1.05E-03	4.39E-10	2.00	1.57E-01	1.38E-10	1,000,000	1.38E-04
322	7.6675E-07	4.9113E-07	1.05E-03	5.13E-10	2.00	1.57E-01	1.61E-10	1,000,000	1.61E-04
323	7.6675E-07	5.8575E-07	1.05E-03	6.12E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
324	7.6675E-07	6.862E-07	1.05E-03	7.17E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
325	7.6675E-07	8.0017E-07	1.05E-03	8.36E-10	2.00	1.57E-01	2.63E-10	1,000,000	2.63E-04
326	7.6675E-07	9.3035E-07	1.05E-03	9.72E-10	2.00	1.57E-01	3.06E-10	1,000,000	3.06E-04
327	7.6675E-07	1.1923E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.92E-10	1,000,000	3.92E-04
328	7.6675E-07	9.9583E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.27E-10	1,000,000	3.27E-04
329	7.6675E-07	9.9288E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.26E-10	1,000,000	3.26E-04
330	7.6675E-07	9.9837E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.28E-10	1,000,000	3.28E-04
331	7.6675E-07	1.0005E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
332	7.6675E-07	9.9704E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.28E-10	1,000,000	3.28E-04
333	7.6675E-07	9.4469E-07	1.05E-03	9.87E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
334	7.6675E-07	9.4314E-07	1.05E-03	9.86E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
335	7.6675E-07	8.9554E-07	1.05E-03	9.36E-10	2.00	1.57E-01	2.94E-10	1,000,000	2.94E-04
336	7.6675E-07	8.4272E-07	1.05E-03	8.81E-10	2.00	1.57E-01	2.77E-10	1,000,000	2.77E-04
337	7.6675E-07	1.7905E-07	1.05E-03	1.87E-10	2.00	1.57E-01	5.88E-11	1,000,000	5.88E-05
338	7.6675E-07	1.968E-07	1.05E-03	2.06E-10	2.00	1.57E-01	6.46E-11	1,000,000	6.46E-05
339	7.6675E-07	2.1517E-07	1.05E-03	2.25E-10	2.00	1.57E-01	7.07E-11	1,000,000	7.07E-05
340	7.6675E-07	2.419E-07	1.05E-03	2.53E-10	2.00	1.57E-01	7.95E-11	1,000,000	7.95E-05
341	7.6675E-07	2.6801E-07	1.05E-03	2.80E-10	2.00	1.57E-01	8.80E-11	1,000,000	8.80E-05
342	7.6675E-07	3.1221E-07	1.05E-03	3.26E-10	2.00	1.57E-01	1.03E-10	1,000,000	1.03E-04
343	7.6675E-07	3.4982E-07	1.05E-03	3.66E-10	2.00	1.57E-01	1.15E-10	1,000,000	1.15E-04
344	7.6675E-07	4.0389E-07	1.05E-03	4.22E-10	2.00	1.57E-01	1.33E-10	1,000,000	1.33E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	7.6675E-07	4.6761E-07	1.05E-03	4.89E-10	2.00	1.57E-01	1.54E-10	1,000,000	1.54E-04
346	7.6675E-07	5.4929E-07	1.05E-03	5.74E-10	2.00	1.57E-01	1.80E-10	1,000,000	1.80E-04
347	7.6675E-07	6.178E-07	1.05E-03	6.46E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
348	7.6675E-07	6.9259E-07	1.05E-03	7.24E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
349	7.6675E-07	6.8572E-07	1.05E-03	7.17E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
350	7.6675E-07	7.1517E-07	1.05E-03	7.48E-10	2.00	1.57E-01	2.35E-10	1,000,000	2.35E-04
351	7.6675E-07	7.3569E-07	1.05E-03	7.69E-10	2.00	1.57E-01	2.42E-10	1,000,000	2.42E-04
352	7.6675E-07	7.1735E-07	1.05E-03	7.50E-10	2.00	1.57E-01	2.36E-10	1,000,000	2.36E-04
353	7.6675E-07	7.5211E-07	1.05E-03	7.86E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
354	7.6675E-07	7.3707E-07	1.05E-03	7.70E-10	2.00	1.57E-01	2.42E-10	1,000,000	2.42E-04
355	7.6675E-07	7.3981E-07	1.05E-03	7.73E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
356	7.6675E-07	7.3919E-07	1.05E-03	7.73E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
357	7.6675E-07	7.1581E-07	1.05E-03	7.48E-10	2.00	1.57E-01	2.35E-10	1,000,000	2.35E-04
358	7.6675E-07	6.8642E-07	1.05E-03	7.17E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
359	7.6675E-07	1.5862E-07	1.05E-03	1.66E-10	2.00	1.57E-01	5.21E-11	1,000,000	5.21E-05
360	7.6675E-07	1.7428E-07	1.05E-03	1.82E-10	2.00	1.57E-01	5.73E-11	1,000,000	5.73E-05
361	7.6675E-07	1.907E-07	1.05E-03	1.99E-10	2.00	1.57E-01	6.26E-11	1,000,000	6.26E-05
362	7.6675E-07	2.0959E-07	1.05E-03	2.19E-10	2.00	1.57E-01	6.88E-11	1,000,000	6.88E-05
363	7.6675E-07	2.296E-07	1.05E-03	2.40E-10	2.00	1.57E-01	7.54E-11	1,000,000	7.54E-05
364	7.6675E-07	2.6004E-07	1.05E-03	2.72E-10	2.00	1.57E-01	8.54E-11	1,000,000	8.54E-05
365	7.6675E-07	2.9486E-07	1.05E-03	3.08E-10	2.00	1.57E-01	9.69E-11	1,000,000	9.69E-05
366	7.6675E-07	3.3721E-07	1.05E-03	3.52E-10	2.00	1.57E-01	1.11E-10	1,000,000	1.11E-04
367	7.6675E-07	3.9153E-07	1.05E-03	4.09E-10	2.00	1.57E-01	1.29E-10	1,000,000	1.29E-04
368	7.6675E-07	4.4065E-07	1.05E-03	4.61E-10	2.00	1.57E-01	1.45E-10	1,000,000	1.45E-04
369	7.6675E-07	4.8085E-07	1.05E-03	5.03E-10	2.00	1.57E-01	1.58E-10	1,000,000	1.58E-04
370	7.6675E-07	5.0797E-07	1.05E-03	5.31E-10	2.00	1.57E-01	1.67E-10	1,000,000	1.67E-04
371	7.6675E-07	5.4218E-07	1.05E-03	5.67E-10	2.00	1.57E-01	1.78E-10	1,000,000	1.78E-04
372	7.6675E-07	5.618E-07	1.05E-03	5.87E-10	2.00	1.57E-01	1.85E-10	1,000,000	1.85E-04
373	7.6675E-07	5.5955E-07	1.05E-03	5.85E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
374	7.6675E-07	5.5019E-07	1.05E-03	5.75E-10	2.00	1.57E-01	1.81E-10	1,000,000	1.81E-04
375	7.6675E-07	5.7034E-07	1.05E-03	5.96E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
376	7.6675E-07	5.6583E-07	1.05E-03	5.91E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
377	7.6675E-07	5.7072E-07	1.05E-03	5.97E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	7.6675E-07	6.0025E-07	1.05E-03	6.27E-10	2.00	1.57E-01	1.97E-10	1,000,000	1.97E-04
379	7.6675E-07	5.9708E-07	1.05E-03	6.24E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
380	7.6675E-07	5.6546E-07	1.05E-03	5.91E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
381	7.6675E-07	6.5317E-07	1.05E-03	6.83E-10	2.00	1.57E-01	2.15E-10	1,000,000	2.15E-04
382	7.6675E-07	7.4313E-07	1.05E-03	7.77E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04
383	7.6675E-07	8.521E-07	1.05E-03	8.91E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
384	7.6675E-07	9.8471E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
385	7.6675E-07	1.1464E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.77E-10	1,000,000	3.77E-04
386	7.6675E-07	1.3419E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.41E-10	1,000,000	4.41E-04
387	7.6675E-07	1.5734E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
388	7.6675E-07	1.8377E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.04E-10	1,000,000	6.04E-04
389	7.6675E-07	2.1166E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.95E-10	1,000,000	6.95E-04
390	7.6675E-07	2.3732E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.80E-10	1,000,000	7.80E-04
391	7.6675E-07	2.5544E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.39E-10	1,000,000	8.39E-04
392	7.6675E-07	2.6139E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.59E-10	1,000,000	8.59E-04
393	7.6675E-07	2.5333E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
394	7.6675E-07	2.341E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
395	7.6675E-07	2.0767E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
396	7.6675E-07	1.8001E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
397	7.6675E-07	1.543E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
398	7.6675E-07	1.318E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
399	7.6675E-07	6.9071E-07	1.05E-03	7.22E-10	2.00	1.57E-01	2.27E-10	1,000,000	2.27E-04
400	7.6675E-07	7.938E-07	1.05E-03	8.30E-10	2.00	1.57E-01	2.61E-10	1,000,000	2.61E-04
401	7.6675E-07	9.2194E-07	1.05E-03	9.64E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
402	7.6675E-07	1.0837E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
403	7.6675E-07	1.2892E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.24E-10	1,000,000	4.24E-04
404	7.6675E-07	1.5508E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
405	7.6675E-07	1.8832E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
406	7.6675E-07	2.295E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.54E-10	1,000,000	7.54E-04
407	7.6675E-07	2.7706E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.10E-10	1,000,000	9.10E-04
408	7.6675E-07	3.2506E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
409	7.6675E-07	3.6107E-06	1.05E-03	3.77E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
410	7.6675E-07	3.724E-06	1.05E-03	3.89E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	7.6675E-07	3.5613E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
412	7.6675E-07	3.1841E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
413	7.6675E-07	2.7051E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
414	7.6675E-07	2.2443E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.37E-10	1,000,000	7.37E-04
415	7.6675E-07	1.8485E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.07E-10	1,000,000	6.07E-04
416	7.6675E-07	1.5244E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
417	7.6675E-07	6.9611E-07	1.05E-03	7.28E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
418	7.6675E-07	8.2632E-07	1.05E-03	8.64E-10	2.00	1.57E-01	2.71E-10	1,000,000	2.71E-04
419	7.6675E-07	9.8662E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
420	7.6675E-07	1.1786E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
421	7.6675E-07	1.4335E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
422	7.6675E-07	1.7786E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.84E-10	1,000,000	5.84E-04
423	7.6675E-07	2.2537E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.40E-10	1,000,000	7.40E-04
424	7.6675E-07	2.9073E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.55E-10	1,000,000	9.55E-04
425	7.6675E-07	3.7635E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
426	7.6675E-07	4.7472E-06	1.05E-03	4.96E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
427	7.6675E-07	5.5512E-06	1.05E-03	5.80E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
428	7.6675E-07	5.8303E-06	1.05E-03	6.09E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
429	7.6675E-07	5.4347E-06	1.05E-03	5.68E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
430	7.6675E-07	4.5733E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
431	7.6675E-07	3.6294E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
432	7.6675E-07	2.8303E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.30E-10	1,000,000	9.30E-04
433	7.6675E-07	2.2298E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.32E-10	1,000,000	7.32E-04
434	7.6675E-07	1.7756E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.83E-10	1,000,000	5.83E-04
435	7.6675E-07	6.4918E-07	1.05E-03	6.79E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
436	7.6675E-07	7.8185E-07	1.05E-03	8.17E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
437	7.6675E-07	9.9217E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.26E-10	1,000,000	3.26E-04
438	7.6675E-07	1.2604E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
439	7.6675E-07	1.5631E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.13E-10	1,000,000	5.13E-04
440	7.6675E-07	1.9978E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.56E-10	1,000,000	6.56E-04
441	7.6675E-07	2.6504E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.71E-10	1,000,000	8.71E-04
442	7.6675E-07	3.6755E-06	1.05E-03	3.84E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
443	7.6675E-07	5.3126E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	7.6675E-07	7.6535E-06	1.05E-03	8.00E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
445	7.6675E-07	9.8919E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
446	7.6675E-07	1.0675E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
447	7.6675E-07	9.4793E-06	1.05E-03	9.91E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
448	7.6675E-07	7.1195E-06	1.05E-03	7.44E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
449	7.6675E-07	5.0425E-06	1.05E-03	5.27E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
450	7.6675E-07	3.6144E-06	1.05E-03	3.78E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
451	7.6675E-07	2.6642E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.75E-10	1,000,000	8.75E-04
452	7.6675E-07	2.0488E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.73E-10	1,000,000	6.73E-04
453	7.6675E-07	6.1654E-07	1.05E-03	6.44E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
454	7.6675E-07	7.4281E-07	1.05E-03	7.76E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04
455	7.6675E-07	9.3713E-07	1.05E-03	9.79E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
456	7.6675E-07	1.2262E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
457	7.6675E-07	1.6157E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
458	7.6675E-07	2.153E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
459	7.6675E-07	2.9902E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.82E-10	1,000,000	9.82E-04
460	7.6675E-07	4.4734E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
461	7.6675E-07	7.5828E-06	1.05E-03	7.93E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
462	7.6675E-07	1.4825E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.87E-09	1,000,000	4.87E-03
463	7.6675E-07	2.4017E-05	1.05E-03	2.51E-08	2.00	1.57E-01	7.89E-09	1,000,000	7.89E-03
464	7.6675E-07	2.6892E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.83E-09	1,000,000	8.83E-03
465	7.6675E-07	2.1716E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.13E-09	1,000,000	7.13E-03
466	7.6675E-07	1.2474E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
467	7.6675E-07	7.1976E-06	1.05E-03	7.52E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
468	7.6675E-07	4.5878E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
469	7.6675E-07	3.1802E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
470	7.6675E-07	2.3449E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.70E-10	1,000,000	7.70E-04
471	7.6675E-07	5.5869E-07	1.05E-03	5.84E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
472	7.6675E-07	6.9879E-07	1.05E-03	7.30E-10	2.00	1.57E-01	2.30E-10	1,000,000	2.30E-04
473	7.6675E-07	8.7774E-07	1.05E-03	9.17E-10	2.00	1.57E-01	2.88E-10	1,000,000	2.88E-04
474	7.6675E-07	1.1032E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
475	7.6675E-07	1.4184E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
476	7.6675E-07	2.3738E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.80E-09	1,000,000	7.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	7.6675E-07	9.9002E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
478	7.6675E-07	5.6301E-06	1.05E-03	5.88E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
479	7.6675E-07	3.6807E-06	1.05E-03	3.85E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
480	7.6675E-07	2.6194E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.60E-10	1,000,000	8.60E-04
481	7.6675E-07	5.0894E-07	1.05E-03	5.32E-10	2.00	1.57E-01	1.67E-10	1,000,000	1.67E-04
482	7.6675E-07	6.3556E-07	1.05E-03	6.64E-10	2.00	1.57E-01	2.09E-10	1,000,000	2.09E-04
483	7.6675E-07	7.723E-07	1.05E-03	8.07E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
484	7.6675E-07	9.7564E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
485	7.6675E-07	1.3319E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.38E-10	1,000,000	4.38E-04
486	7.6675E-07	2.7911E-05	1.05E-03	2.92E-08	2.00	1.57E-01	9.17E-09	1,000,000	9.17E-03
487	7.6675E-07	1.0872E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
488	7.6675E-07	6.0293E-06	1.05E-03	6.30E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
489	7.6675E-07	3.9091E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
490	7.6675E-07	2.7663E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.09E-10	1,000,000	9.09E-04
491	7.6675E-07	4.5492E-07	1.05E-03	4.75E-10	2.00	1.57E-01	1.49E-10	1,000,000	1.49E-04
492	7.6675E-07	5.529E-07	1.05E-03	5.78E-10	2.00	1.57E-01	1.82E-10	1,000,000	1.82E-04
493	7.6675E-07	6.6561E-07	1.05E-03	6.96E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
494	7.6675E-07	8.4094E-07	1.05E-03	8.79E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.76E-04
495	7.6675E-07	1.1175E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
496	7.6675E-07	3.374E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
497	7.6675E-07	4.9102E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
498	7.6675E-07	1.8515E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
499	7.6675E-07	1.3505E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
500	7.6675E-07	8.1961E-06	1.05E-03	8.57E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
501	7.6675E-07	5.2806E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
502	7.6675E-07	3.6551E-06	1.05E-03	3.82E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
503	7.6675E-07	2.6774E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.80E-10	1,000,000	8.80E-04
504	7.6675E-07	4.0704E-07	1.05E-03	4.25E-10	2.00	1.57E-01	1.34E-10	1,000,000	1.34E-04
505	7.6675E-07	4.7412E-07	1.05E-03	4.96E-10	2.00	1.57E-01	1.56E-10	1,000,000	1.56E-04
506	7.6675E-07	5.8964E-07	1.05E-03	6.16E-10	2.00	1.57E-01	1.94E-10	1,000,000	1.94E-04
507	7.6675E-07	7.1086E-07	1.05E-03	7.43E-10	2.00	1.57E-01	2.34E-10	1,000,000	2.34E-04
508	7.6675E-07	9.4036E-07	1.05E-03	9.83E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
509	7.6675E-07	1.2263E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	7.6675E-07	1.6553E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.44E-10	1,000,000	5.44E-04
511	7.6675E-07	2.3373E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04
512	7.6675E-07	3.382E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
513	7.6675E-07	4.6548E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
514	7.6675E-07	6.3091E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
515	7.6675E-07	7.5774E-06	1.05E-03	7.92E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
516	7.6675E-07	8.0055E-06	1.05E-03	8.37E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
517	7.6675E-07	6.8913E-06	1.05E-03	7.20E-09	2.00	1.57E-01	2.26E-09	1,000,000	2.26E-03
518	7.6675E-07	5.3357E-06	1.05E-03	5.58E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
519	7.6675E-07	4.0302E-06	1.05E-03	4.21E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
520	7.6675E-07	3.0692E-06	1.05E-03	3.21E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
521	7.6675E-07	2.3845E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.83E-10	1,000,000	7.83E-04
522	7.6675E-07	3.6005E-07	1.05E-03	3.76E-10	2.00	1.57E-01	1.18E-10	1,000,000	1.18E-04
523	7.6675E-07	4.2654E-07	1.05E-03	4.46E-10	2.00	1.57E-01	1.40E-10	1,000,000	1.40E-04
524	7.6675E-07	5.1024E-07	1.05E-03	5.33E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
525	7.6675E-07	6.1432E-07	1.05E-03	6.42E-10	2.00	1.57E-01	2.02E-10	1,000,000	2.02E-04
526	7.6675E-07	7.3287E-07	1.05E-03	7.66E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
527	7.6675E-07	9.8205E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
528	7.6675E-07	1.2712E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
529	7.6675E-07	1.6828E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.53E-10	1,000,000	5.53E-04
530	7.6675E-07	2.2845E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.50E-10	1,000,000	7.50E-04
531	7.6675E-07	2.9665E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.74E-10	1,000,000	9.74E-04
532	7.6675E-07	3.6654E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
533	7.6675E-07	4.3752E-06	1.05E-03	4.57E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
534	7.6675E-07	4.1991E-06	1.05E-03	4.39E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
535	7.6675E-07	4.0043E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
536	7.6675E-07	3.5418E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
537	7.6675E-07	2.9973E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.85E-10	1,000,000	9.85E-04
538	7.6675E-07	2.454E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
539	7.6675E-07	2.0176E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.63E-10	1,000,000	6.63E-04
540	7.6675E-07	3.1948E-07	1.05E-03	3.34E-10	2.00	1.57E-01	1.05E-10	1,000,000	1.05E-04
541	7.6675E-07	3.7321E-07	1.05E-03	3.90E-10	2.00	1.57E-01	1.23E-10	1,000,000	1.23E-04
542	7.6675E-07	4.3864E-07	1.05E-03	4.58E-10	2.00	1.57E-01	1.44E-10	1,000,000	1.44E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	7.6675E-07	5.2105E-07	1.05E-03	5.45E-10	2.00	1.57E-01	1.71E-10	1,000,000	1.71E-04
544	7.6675E-07	6.4161E-07	1.05E-03	6.71E-10	2.00	1.57E-01	2.11E-10	1,000,000	2.11E-04
545	7.6675E-07	7.7432E-07	1.05E-03	8.09E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
546	7.6675E-07	9.7513E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
547	7.6675E-07	1.2172E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.00E-10	1,000,000	4.00E-04
548	7.6675E-07	1.5776E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.18E-10	1,000,000	5.18E-04
549	7.6675E-07	1.969E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.47E-10	1,000,000	6.47E-04
550	7.6675E-07	2.4202E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.95E-10	1,000,000	7.95E-04
551	7.6675E-07	3.1785E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
552	7.6675E-07	2.6487E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.70E-10	1,000,000	8.70E-04
553	7.6675E-07	2.4937E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.19E-10	1,000,000	8.19E-04
554	7.6675E-07	2.295E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.54E-10	1,000,000	7.54E-04
555	7.6675E-07	2.2872E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.51E-10	1,000,000	7.51E-04
556	7.6675E-07	1.9608E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.44E-10	1,000,000	6.44E-04
557	7.6675E-07	1.6768E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
558	7.6675E-07	2.8449E-07	1.05E-03	2.97E-10	2.00	1.57E-01	9.35E-11	1,000,000	9.35E-05
559	7.6675E-07	3.2868E-07	1.05E-03	3.44E-10	2.00	1.57E-01	1.08E-10	1,000,000	1.08E-04
560	7.6675E-07	3.7338E-07	1.05E-03	3.90E-10	2.00	1.57E-01	1.23E-10	1,000,000	1.23E-04
561	7.6675E-07	4.3894E-07	1.05E-03	4.59E-10	2.00	1.57E-01	1.44E-10	1,000,000	1.44E-04
562	7.6675E-07	5.0994E-07	1.05E-03	5.33E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
563	7.6675E-07	6.0838E-07	1.05E-03	6.36E-10	2.00	1.57E-01	2.00E-10	1,000,000	2.00E-04
564	7.6675E-07	7.5652E-07	1.05E-03	7.91E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
565	7.6675E-07	9.0767E-07	1.05E-03	9.49E-10	2.00	1.57E-01	2.98E-10	1,000,000	2.98E-04
566	7.6675E-07	1.1369E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04
567	7.6675E-07	1.369E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
568	7.6675E-07	1.6535E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.43E-10	1,000,000	5.43E-04
569	7.6675E-07	1.651E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.42E-10	1,000,000	5.42E-04
570	7.6675E-07	1.6312E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.36E-10	1,000,000	5.36E-04
571	7.6675E-07	1.6647E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.47E-10	1,000,000	5.47E-04
572	7.6675E-07	1.6834E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.53E-10	1,000,000	5.53E-04
573	7.6675E-07	1.5731E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
574	7.6675E-07	1.4675E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
575	7.6675E-07	1.378E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.53E-10	1,000,000	4.53E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	7.6675E-07	4.7567E-07	6.05E-04	2.88E-10	14.00	4.71E-02	1.90E-10	1,000,000	1.9E-04
2	7.6675E-07	5.2468E-07	6.05E-04	3.17E-10	14.00	4.71E-02	2.10E-10	1,000,000	2.10E-04
3	7.6675E-07	5.8066E-07	6.05E-04	3.51E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04
4	7.6675E-07	6.4435E-07	6.05E-04	3.90E-10	14.00	4.71E-02	2.57E-10	1,000,000	2.57E-04
5	7.6675E-07	7.167E-07	6.05E-04	4.34E-10	14.00	4.71E-02	2.86E-10	1,000,000	2.86E-04
6	7.6675E-07	7.9805E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
7	7.6675E-07	8.8736E-07	6.05E-04	5.37E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
8	7.6675E-07	9.8314E-07	6.05E-04	5.95E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
9	7.6675E-07	1.0823E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
10	7.6675E-07	1.1778E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
11	7.6675E-07	1.2612E-06	6.05E-04	7.63E-10	14.00	4.71E-02	5.04E-10	1,000,000	5.04E-04
12	7.6675E-07	1.3233E-06	6.05E-04	8.01E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
13	7.6675E-07	1.3555E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
14	7.6675E-07	1.3526E-06	6.05E-04	8.18E-10	14.00	4.71E-02	5.40E-10	1,000,000	5.40E-04
15	7.6675E-07	1.3154E-06	6.05E-04	7.96E-10	14.00	4.71E-02	5.25E-10	1,000,000	5.25E-04
16	7.6675E-07	1.2479E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
17	7.6675E-07	1.1632E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04
18	7.6675E-07	1.0675E-06	6.05E-04	6.46E-10	14.00	4.71E-02	4.26E-10	1,000,000	4.26E-04
19	7.6675E-07	9.6829E-07	6.05E-04	5.86E-10	14.00	4.71E-02	3.87E-10	1,000,000	3.87E-04
20	7.6675E-07	8.7477E-07	6.05E-04	5.29E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
21	7.6675E-07	7.8739E-07	6.05E-04	4.76E-10	14.00	4.71E-02	3.14E-10	1,000,000	3.14E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
22	7.6675E-07	7.0721E-07	6.05E-04	4.28E-10	14.00	4.71E-02	2.82E-10	1,000,000	2.82E-04
23	7.6675E-07	5.045E-07	6.05E-04	3.05E-10	14.00	4.71E-02	2.01E-10	1,000,000	2.01E-04
24	7.6675E-07	5.6093E-07	6.05E-04	3.39E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
25	7.6675E-07	6.266E-07	6.05E-04	3.79E-10	14.00	4.71E-02	2.50E-10	1,000,000	2.50E-04
26	7.6675E-07	7.0314E-07	6.05E-04	4.25E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
27	7.6675E-07	7.9214E-07	6.05E-04	4.79E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04
28	7.6675E-07	8.9558E-07	6.05E-04	5.42E-10	14.00	4.71E-02	3.58E-10	1,000,000	3.58E-04
29	7.6675E-07	1.013E-06	6.05E-04	6.13E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
30	7.6675E-07	1.1448E-06	6.05E-04	6.93E-10	14.00	4.71E-02	4.57E-10	1,000,000	4.57E-04
31	7.6675E-07	1.2856E-06	6.05E-04	7.78E-10	14.00	4.71E-02	5.13E-10	1,000,000	5.13E-04
32	7.6675E-07	1.4273E-06	6.05E-04	8.64E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
33	7.6675E-07	1.5553E-06	6.05E-04	9.41E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
34	7.6675E-07	1.6555E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.61E-10	1,000,000	6.61E-04
35	7.6675E-07	1.7093E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
36	7.6675E-07	1.7069E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.82E-10	1,000,000	6.82E-04
37	7.6675E-07	1.6417E-06	6.05E-04	9.93E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
38	7.6675E-07	1.5362E-06	6.05E-04	9.29E-10	14.00	4.71E-02	6.13E-10	1,000,000	6.13E-04
39	7.6675E-07	1.4076E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.62E-10	1,000,000	5.62E-04
40	7.6675E-07	1.2665E-06	6.05E-04	7.66E-10	14.00	4.71E-02	5.06E-10	1,000,000	5.06E-04
41	7.6675E-07	1.1263E-06	6.05E-04	6.81E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
42	7.6675E-07	9.9639E-07	6.05E-04	6.03E-10	14.00	4.71E-02	3.98E-10	1,000,000	3.98E-04
43	7.6675E-07	8.8026E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
44	7.6675E-07	7.8349E-07	6.05E-04	4.74E-10	14.00	4.71E-02	3.13E-10	1,000,000	3.13E-04
45	7.6675E-07	5.3251E-07	6.05E-04	3.22E-10	14.00	4.71E-02	2.13E-10	1,000,000	2.13E-04
46	7.6675E-07	5.9686E-07	6.05E-04	3.61E-10	14.00	4.71E-02	2.38E-10	1,000,000	2.38E-04
47	7.6675E-07	6.7322E-07	6.05E-04	4.07E-10	14.00	4.71E-02	2.69E-10	1,000,000	2.69E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
48	7.6675E-07	7.6432E-07	6.05E-04	4.62E-10	14.00	4.71E-02	3.05E-10	1,000,000	3.05E-04
49	7.6675E-07	8.7332E-07	6.05E-04	5.28E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
50	7.6675E-07	1.0038E-06	6.05E-04	6.07E-10	14.00	4.71E-02	4.01E-10	1,000,000	4.01E-04
51	7.6675E-07	1.159E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
52	7.6675E-07	1.3406E-06	6.05E-04	8.11E-10	14.00	4.71E-02	5.35E-10	1,000,000	5.35E-04
53	7.6675E-07	1.5464E-06	6.05E-04	9.36E-10	14.00	4.71E-02	6.18E-10	1,000,000	6.18E-04
54	7.6675E-07	1.7641E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
55	7.6675E-07	1.973E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.88E-10	1,000,000	7.88E-04
56	7.6675E-07	2.1413E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.55E-10	1,000,000	8.55E-04
57	7.6675E-07	2.2333E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.92E-10	1,000,000	8.92E-04
58	7.6675E-07	2.2325E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.92E-10	1,000,000	8.92E-04
59	7.6675E-07	2.12E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.47E-10	1,000,000	8.47E-04
60	7.6675E-07	1.9421E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.76E-10	1,000,000	7.76E-04
61	7.6675E-07	1.7351E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.93E-10	1,000,000	6.93E-04
62	7.6675E-07	1.5187E-06	6.05E-04	9.19E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
63	7.6675E-07	1.3176E-06	6.05E-04	7.97E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
64	7.6675E-07	1.1415E-06	6.05E-04	6.91E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
65	7.6675E-07	9.9229E-07	6.05E-04	6.00E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
66	7.6675E-07	8.6691E-07	6.05E-04	5.25E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
67	7.6675E-07	5.5853E-07	6.05E-04	3.38E-10	14.00	4.71E-02	2.23E-10	1,000,000	2.23E-04
68	7.6675E-07	6.3085E-07	6.05E-04	3.82E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
69	7.6675E-07	7.1823E-07	6.05E-04	4.35E-10	14.00	4.71E-02	2.87E-10	1,000,000	2.87E-04
70	7.6675E-07	8.2516E-07	6.05E-04	4.99E-10	14.00	4.71E-02	3.30E-10	1,000,000	3.30E-04
71	7.6675E-07	9.5695E-07	6.05E-04	5.79E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
72	7.6675E-07	1.1206E-06	6.05E-04	6.78E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
73	7.6675E-07	1.3244E-06	6.05E-04	8.01E-10	14.00	4.71E-02	5.29E-10	1,000,000	5.29E-04
74	7.6675E-07	1.576E-06	6.05E-04	9.54E-10	14.00	4.71E-02	6.29E-10	1,000,000	6.29E-04
75	7.6675E-07	1.8803E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.51E-10	1,000,000	7.51E-04
76	7.6675E-07	2.23E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.91E-10	1,000,000	8.91E-04
77	7.6675E-07	2.593E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
78	7.6675E-07	2.9067E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
79	7.6675E-07	3.0787E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
80	7.6675E-07	3.0617E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
81	7.6675E-07	2.8595E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
82	7.6675E-07	2.5457E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
83	7.6675E-07	2.1837E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.72E-10	1,000,000	8.72E-04
84	7.6675E-07	1.8454E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.37E-10	1,000,000	7.37E-04
85	7.6675E-07	1.543E-06	6.05E-04	9.34E-10	14.00	4.71E-02	6.16E-10	1,000,000	6.16E-04
86	7.6675E-07	1.3082E-06	6.05E-04	7.92E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
87	7.6675E-07	1.1128E-06	6.05E-04	6.73E-10	14.00	4.71E-02	4.44E-10	1,000,000	4.44E-04
88	7.6675E-07	9.5674E-07	6.05E-04	5.79E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
89	7.6675E-07	5.6659E-07	6.05E-04	3.43E-10	14.00	4.71E-02	2.26E-10	1,000,000	2.26E-04
90	7.6675E-07	6.6152E-07	6.05E-04	4.00E-10	14.00	4.71E-02	2.64E-10	1,000,000	2.64E-04
91	7.6675E-07	7.5967E-07	6.05E-04	4.60E-10	14.00	4.71E-02	3.03E-10	1,000,000	3.03E-04
92	7.6675E-07	8.8222E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
93	7.6675E-07	1.0379E-06	6.05E-04	6.28E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
94	7.6675E-07	1.2394E-06	6.05E-04	7.50E-10	14.00	4.71E-02	4.95E-10	1,000,000	4.95E-04
95	7.6675E-07	1.5026E-06	6.05E-04	9.09E-10	14.00	4.71E-02	6.00E-10	1,000,000	6.00E-04
96	7.6675E-07	1.8496E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.39E-10	1,000,000	7.39E-04
97	7.6675E-07	2.3066E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.21E-10	1,000,000	9.21E-04
98	7.6675E-07	2.8869E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
99	7.6675E-07	3.5553E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
100	7.6675E-07	4.1849E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
101	7.6675E-07	4.5576E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
102	7.6675E-07	4.5164E-06	6.05E-04	2.73E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
103	7.6675E-07	4.0907E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
104	7.6675E-07	3.4503E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
105	7.6675E-07	2.8105E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
106	7.6675E-07	2.2612E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.03E-10	1,000,000	9.03E-04
107	7.6675E-07	1.8269E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.30E-10	1,000,000	7.30E-04
108	7.6675E-07	1.4967E-06	6.05E-04	9.06E-10	14.00	4.71E-02	5.98E-10	1,000,000	5.98E-04
109	7.6675E-07	1.2444E-06	6.05E-04	7.53E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04
110	7.6675E-07	1.0524E-06	6.05E-04	6.37E-10	14.00	4.71E-02	4.20E-10	1,000,000	4.20E-04
111	7.6675E-07	5.3585E-07	6.05E-04	3.24E-10	14.00	4.71E-02	2.14E-10	1,000,000	2.14E-04
112	7.6675E-07	6.4581E-07	6.05E-04	3.91E-10	14.00	4.71E-02	2.58E-10	1,000,000	2.58E-04
113	7.6675E-07	7.2627E-07	6.05E-04	4.39E-10	14.00	4.71E-02	2.90E-10	1,000,000	2.90E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
114	7.6675E-07	8.6666E-07	6.05E-04	5.24E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
115	7.6675E-07	1.095E-06	6.05E-04	6.63E-10	14.00	4.71E-02	4.37E-10	1,000,000	4.37E-04
116	7.6675E-07	1.3506E-06	6.05E-04	8.17E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
117	7.6675E-07	1.6796E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.71E-10	1,000,000	6.71E-04
118	7.6675E-07	2.1456E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.57E-10	1,000,000	8.57E-04
119	7.6675E-07	2.8242E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
120	7.6675E-07	3.8164E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
121	7.6675E-07	5.1774E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
122	7.6675E-07	6.6493E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
123	7.6675E-07	7.5944E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
124	7.6675E-07	7.4757E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
125	7.6675E-07	6.3759E-06	6.05E-04	3.86E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
126	7.6675E-07	4.9197E-06	6.05E-04	2.98E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
127	7.6675E-07	3.6877E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
128	7.6675E-07	2.7868E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
129	7.6675E-07	2.1509E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.59E-10	1,000,000	8.59E-04
130	7.6675E-07	1.7085E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.82E-10	1,000,000	6.82E-04
131	7.6675E-07	1.3875E-06	6.05E-04	8.40E-10	14.00	4.71E-02	5.54E-10	1,000,000	5.54E-04
132	7.6675E-07	1.1528E-06	6.05E-04	6.98E-10	14.00	4.71E-02	4.60E-10	1,000,000	4.60E-04
133	7.6675E-07	5.0656E-07	6.05E-04	3.07E-10	14.00	4.71E-02	2.02E-10	1,000,000	2.02E-04
134	7.6675E-07	5.8983E-07	6.05E-04	3.57E-10	14.00	4.71E-02	2.36E-10	1,000,000	2.36E-04
135	7.6675E-07	6.9162E-07	6.05E-04	4.18E-10	14.00	4.71E-02	2.76E-10	1,000,000	2.76E-04
136	7.6675E-07	8.554E-07	6.05E-04	5.18E-10	14.00	4.71E-02	3.42E-10	1,000,000	3.42E-04
137	7.6675E-07	1.1384E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
138	7.6675E-07	1.4367E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.74E-10	1,000,000	5.74E-04
139	7.6675E-07	1.8296E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.31E-10	1,000,000	7.31E-04
140	7.6675E-07	2.4173E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.65E-10	1,000,000	9.65E-04
141	7.6675E-07	3.3752E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
142	7.6675E-07	5.0524E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
143	7.6675E-07	8.1238E-06	6.05E-04	4.92E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
144	7.6675E-07	1.2589E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
145	7.6675E-07	1.566E-05	6.05E-04	9.48E-09	14.00	4.71E-02	6.25E-09	1,000,000	6.25E-03
146	7.6675E-07	1.5214E-05	6.05E-04	9.21E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
147	7.6675E-07	1.1445E-05	6.05E-04	6.93E-09	14.00	4.71E-02	4.57E-09	1,000,000	4.57E-03
148	7.6675E-07	7.4412E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
149	7.6675E-07	4.9212E-06	6.05E-04	2.98E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
150	7.6675E-07	3.4248E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
151	7.6675E-07	2.5157E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
152	7.6675E-07	1.935E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.73E-10	1,000,000	7.73E-04
153	7.6675E-07	1.5375E-06	6.05E-04	9.30E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
154	7.6675E-07	1.2554E-06	6.05E-04	7.60E-10	14.00	4.71E-02	5.01E-10	1,000,000	5.01E-04
155	7.6675E-07	4.4356E-07	6.05E-04	2.68E-10	14.00	4.71E-02	1.77E-10	1,000,000	1.77E-04
156	7.6675E-07	5.2737E-07	6.05E-04	3.19E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
157	7.6675E-07	6.5774E-07	6.05E-04	3.98E-10	14.00	4.71E-02	2.63E-10	1,000,000	2.63E-04
158	7.6675E-07	7.9188E-07	6.05E-04	4.79E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04
159	7.6675E-07	1.0052E-06	6.05E-04	6.08E-10	14.00	4.71E-02	4.01E-10	1,000,000	4.01E-04
160	7.6675E-07	1.2939E-06	6.05E-04	7.83E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
161	7.6675E-07	1.7384E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.94E-10	1,000,000	6.94E-04
162	7.6675E-07	2.5616E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
163	7.6675E-07	3.7827E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
164	7.6675E-07	6.2581E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
165	7.6675E-07	1.3546E-05	6.05E-04	8.20E-09	14.00	4.71E-02	5.41E-09	1,000,000	5.41E-03
166	7.6675E-07	4.072E-05	6.05E-04	2.46E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
167	7.6675E-07	5.5746E-05	6.05E-04	3.37E-08	14.00	4.71E-02	2.23E-08	1,000,000	2.23E-02
168	7.6675E-07	5.5056E-05	6.05E-04	3.33E-08	14.00	4.71E-02	2.20E-08	1,000,000	2.20E-02
169	7.6675E-07	2.7261E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
170	7.6675E-07	1.1828E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
171	7.6675E-07	6.4864E-06	6.05E-04	3.92E-09	14.00	4.71E-02	2.59E-09	1,000,000	2.59E-03
172	7.6675E-07	4.1529E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
173	7.6675E-07	2.9044E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
174	7.6675E-07	2.1634E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
175	7.6675E-07	1.6859E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.73E-10	1,000,000	6.73E-04
176	7.6675E-07	1.3562E-06	6.05E-04	8.21E-10	14.00	4.71E-02	5.42E-10	1,000,000	5.42E-04
177	7.6675E-07	4.1318E-07	6.05E-04	2.50E-10	14.00	4.71E-02	1.65E-10	1,000,000	1.65E-04
178	7.6675E-07	4.9749E-07	6.05E-04	3.01E-10	14.00	4.71E-02	1.99E-10	1,000,000	1.99E-04
179	7.6675E-07	6.1987E-07	6.05E-04	3.75E-10	14.00	4.71E-02	2.48E-10	1,000,000	2.48E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
180	7.6675E-07	7.7674E-07	6.05E-04	4.70E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
181	7.6675E-07	9.7276E-07	6.05E-04	5.89E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
182	7.6675E-07	1.2306E-06	6.05E-04	7.45E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04
183	7.6675E-07	1.6275E-06	6.05E-04	9.85E-10	14.00	4.71E-02	6.50E-10	1,000,000	6.50E-04
184	7.6675E-07	6.6539E-05	6.05E-04	4.03E-08	14.00	4.71E-02	2.66E-08	1,000,000	2.66E-02
185	7.6675E-07	1.6363E-05	6.05E-04	9.90E-09	14.00	4.71E-02	6.53E-09	1,000,000	6.53E-03
186	7.6675E-07	7.8448E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
187	7.6675E-07	4.7192E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
188	7.6675E-07	3.2006E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
189	7.6675E-07	2.3407E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.35E-10	1,000,000	9.35E-04
190	7.6675E-07	1.7994E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.19E-10	1,000,000	7.19E-04
191	7.6675E-07	1.4338E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
192	7.6675E-07	3.7592E-07	6.05E-04	2.27E-10	14.00	4.71E-02	1.50E-10	1,000,000	1.50E-04
193	7.6675E-07	4.4317E-07	6.05E-04	2.68E-10	14.00	4.71E-02	1.77E-10	1,000,000	1.77E-04
194	7.6675E-07	5.4352E-07	6.05E-04	3.29E-10	14.00	4.71E-02	2.17E-10	1,000,000	2.17E-04
195	7.6675E-07	6.7183E-07	6.05E-04	4.07E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
196	7.6675E-07	8.5791E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
197	7.6675E-07	1.0745E-06	6.05E-04	6.50E-10	14.00	4.71E-02	4.29E-10	1,000,000	4.29E-04
198	7.6675E-07	1.4443E-06	6.05E-04	8.74E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
199	7.6675E-07	4.7273E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
200	7.6675E-07	3.2795E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
201	7.6675E-07	1.3701E-05	6.05E-04	8.29E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
202	7.6675E-07	7.3807E-06	6.05E-04	4.47E-09	14.00	4.71E-02	2.95E-09	1,000,000	2.95E-03
203	7.6675E-07	4.659E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
204	7.6675E-07	3.2263E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
205	7.6675E-07	2.3799E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.50E-10	1,000,000	9.50E-04
206	7.6675E-07	1.8365E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.33E-10	1,000,000	7.33E-04
207	7.6675E-07	1.4664E-06	6.05E-04	8.87E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
208	7.6675E-07	3.4242E-07	6.05E-04	2.07E-10	14.00	4.71E-02	1.37E-10	1,000,000	1.37E-04
209	7.6675E-07	4.0045E-07	6.05E-04	2.42E-10	14.00	4.71E-02	1.60E-10	1,000,000	1.60E-04
210	7.6675E-07	4.6257E-07	6.05E-04	2.80E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
211	7.6675E-07	5.6928E-07	6.05E-04	3.44E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
212	7.6675E-07	6.9679E-07	6.05E-04	4.22E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
213	7.6675E-07	8.9238E-07	6.05E-04	5.40E-10	14.00	4.71E-02	3.56E-10	1,000,000	3.56E-04
214	7.6675E-07	1.1996E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
215	7.6675E-07	1.6175E-06	6.05E-04	9.79E-10	14.00	4.71E-02	6.46E-10	1,000,000	6.46E-04
216	7.6675E-07	2.4176E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.65E-10	1,000,000	9.65E-04
217	7.6675E-07	3.452E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
218	7.6675E-07	1.1467E-05	6.05E-04	6.94E-09	14.00	4.71E-02	4.58E-09	1,000,000	4.58E-03
219	7.6675E-07	1.0683E-05	6.05E-04	6.46E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
220	7.6675E-07	7.9149E-06	6.05E-04	4.79E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
221	7.6675E-07	5.5375E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
222	7.6675E-07	3.9508E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
223	7.6675E-07	2.9237E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
224	7.6675E-07	2.241E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.95E-10	1,000,000	8.95E-04
225	7.6675E-07	1.7702E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
226	7.6675E-07	1.4346E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
227	7.6675E-07	3.0961E-07	6.05E-04	1.87E-10	14.00	4.71E-02	1.24E-10	1,000,000	1.24E-04
228	7.6675E-07	3.5589E-07	6.05E-04	2.15E-10	14.00	4.71E-02	1.42E-10	1,000,000	1.42E-04
229	7.6675E-07	4.1336E-07	6.05E-04	2.50E-10	14.00	4.71E-02	1.65E-10	1,000,000	1.65E-04
230	7.6675E-07	4.9206E-07	6.05E-04	2.98E-10	14.00	4.71E-02	1.97E-10	1,000,000	1.97E-04
231	7.6675E-07	5.9714E-07	6.05E-04	3.61E-10	14.00	4.71E-02	2.38E-10	1,000,000	2.38E-04
232	7.6675E-07	7.238E-07	6.05E-04	4.38E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
233	7.6675E-07	9.584E-07	6.05E-04	5.80E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
234	7.6675E-07	1.2568E-06	6.05E-04	7.60E-10	14.00	4.71E-02	5.02E-10	1,000,000	5.02E-04
235	7.6675E-07	1.7108E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
236	7.6675E-07	2.3694E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.46E-10	1,000,000	9.46E-04
237	7.6675E-07	3.214E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
238	7.6675E-07	4.2136E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
239	7.6675E-07	5.2515E-06	6.05E-04	3.18E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
240	7.6675E-07	5.642E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
241	7.6675E-07	5.6356E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
242	7.6675E-07	4.5957E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
243	7.6675E-07	3.8788E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
244	7.6675E-07	3.0869E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
245	7.6675E-07	2.4577E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.81E-10	1,000,000	9.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
246	7.6675E-07	1.9802E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04
247	7.6675E-07	1.6193E-06	6.05E-04	9.80E-10	14.00	4.71E-02	6.47E-10	1,000,000	6.47E-04
248	7.6675E-07	1.3444E-06	6.05E-04	8.13E-10	14.00	4.71E-02	5.37E-10	1,000,000	5.37E-04
249	7.6675E-07	2.8089E-07	6.05E-04	1.70E-10	14.00	4.71E-02	1.12E-10	1,000,000	1.12E-04
250	7.6675E-07	3.1846E-07	6.05E-04	1.93E-10	14.00	4.71E-02	1.27E-10	1,000,000	1.27E-04
251	7.6675E-07	3.6432E-07	6.05E-04	2.20E-10	14.00	4.71E-02	1.45E-10	1,000,000	1.45E-04
252	7.6675E-07	4.3048E-07	6.05E-04	2.60E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
253	7.6675E-07	5.1006E-07	6.05E-04	3.09E-10	14.00	4.71E-02	2.04E-10	1,000,000	2.04E-04
254	7.6675E-07	6.3391E-07	6.05E-04	3.84E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04
255	7.6675E-07	7.7533E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
256	7.6675E-07	1.0137E-06	6.05E-04	6.13E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
257	7.6675E-07	1.2696E-06	6.05E-04	7.68E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
258	7.6675E-07	1.6069E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.42E-10	1,000,000	6.42E-04
259	7.6675E-07	2.1242E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.48E-10	1,000,000	8.48E-04
260	7.6675E-07	2.7056E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
261	7.6675E-07	3.1937E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
262	7.6675E-07	3.3391E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
263	7.6675E-07	3.2142E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
264	7.6675E-07	2.9622E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
265	7.6675E-07	2.8003E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
266	7.6675E-07	2.3919E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.55E-10	1,000,000	9.55E-04
267	7.6675E-07	2.0066E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.01E-10	1,000,000	8.01E-04
268	7.6675E-07	1.6889E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.74E-10	1,000,000	6.74E-04
269	7.6675E-07	1.4298E-06	6.05E-04	8.65E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
270	7.6675E-07	1.2191E-06	6.05E-04	7.38E-10	14.00	4.71E-02	4.87E-10	1,000,000	4.87E-04
271	7.6675E-07	2.5059E-07	6.05E-04	1.52E-10	14.00	4.71E-02	1.00E-10	1,000,000	1.00E-04
272	7.6675E-07	2.8115E-07	6.05E-04	1.70E-10	14.00	4.71E-02	1.12E-10	1,000,000	1.12E-04
273	7.6675E-07	3.2152E-07	6.05E-04	1.95E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
274	7.6675E-07	3.7097E-07	6.05E-04	2.24E-10	14.00	4.71E-02	1.48E-10	1,000,000	1.48E-04
275	7.6675E-07	4.3404E-07	6.05E-04	2.63E-10	14.00	4.71E-02	1.73E-10	1,000,000	1.73E-04
276	7.6675E-07	5.2245E-07	6.05E-04	3.16E-10	14.00	4.71E-02	2.09E-10	1,000,000	2.09E-04
277	7.6675E-07	6.319E-07	6.05E-04	3.82E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
278	7.6675E-07	7.6111E-07	6.05E-04	4.61E-10	14.00	4.71E-02	3.04E-10	1,000,000	3.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
279	7.6675E-07	9.4364E-07	6.05E-04	5.71E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
280	7.6675E-07	1.1694E-06	6.05E-04	7.08E-10	14.00	4.71E-02	4.67E-10	1,000,000	4.67E-04
281	7.6675E-07	1.4723E-06	6.05E-04	8.91E-10	14.00	4.71E-02	5.88E-10	1,000,000	5.88E-04
282	7.6675E-07	1.8308E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.31E-10	1,000,000	7.31E-04
283	7.6675E-07	2.0864E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.33E-10	1,000,000	8.33E-04
284	7.6675E-07	1.9998E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.99E-10	1,000,000	7.99E-04
285	7.6675E-07	2.0676E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.26E-10	1,000,000	8.26E-04
286	7.6675E-07	1.9905E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.95E-10	1,000,000	7.95E-04
287	7.6675E-07	1.8648E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.45E-10	1,000,000	7.45E-04
288	7.6675E-07	1.7515E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.99E-10	1,000,000	6.99E-04
289	7.6675E-07	1.5975E-06	6.05E-04	9.67E-10	14.00	4.71E-02	6.38E-10	1,000,000	6.38E-04
290	7.6675E-07	1.4314E-06	6.05E-04	8.66E-10	14.00	4.71E-02	5.72E-10	1,000,000	5.72E-04
291	7.6675E-07	1.2458E-06	6.05E-04	7.54E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
292	7.6675E-07	1.0837E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
293	7.6675E-07	2.2506E-07	6.05E-04	1.36E-10	14.00	4.71E-02	8.99E-11	1,000,000	8.99E-05
294	7.6675E-07	2.5189E-07	6.05E-04	1.52E-10	14.00	4.71E-02	1.01E-10	1,000,000	1.01E-04
295	7.6675E-07	2.8371E-07	6.05E-04	1.72E-10	14.00	4.71E-02	1.13E-10	1,000,000	1.13E-04
296	7.6675E-07	3.202E-07	6.05E-04	1.94E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
297	7.6675E-07	3.7281E-07	6.05E-04	2.26E-10	14.00	4.71E-02	1.49E-10	1,000,000	1.49E-04
298	7.6675E-07	4.3473E-07	6.05E-04	2.63E-10	14.00	4.71E-02	1.74E-10	1,000,000	1.74E-04
299	7.6675E-07	5.1316E-07	6.05E-04	3.10E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04
300	7.6675E-07	6.2261E-07	6.05E-04	3.77E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
301	7.6675E-07	7.2296E-07	6.05E-04	4.37E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
302	7.6675E-07	8.8456E-07	6.05E-04	5.35E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
303	7.6675E-07	1.063E-06	6.05E-04	6.43E-10	14.00	4.71E-02	4.24E-10	1,000,000	4.24E-04
304	7.6675E-07	1.2828E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
305	7.6675E-07	1.4093E-06	6.05E-04	8.53E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
306	7.6675E-07	1.3899E-06	6.05E-04	8.41E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
307	7.6675E-07	1.3887E-06	6.05E-04	8.40E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
308	7.6675E-07	1.3381E-06	6.05E-04	8.10E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
309	7.6675E-07	1.4266E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
310	7.6675E-07	1.3234E-06	6.05E-04	8.01E-10	14.00	4.71E-02	5.29E-10	1,000,000	5.29E-04
311	7.6675E-07	1.2455E-06	6.05E-04	7.54E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
312	7.6675E-07	1.1885E-06	6.05E-04	7.19E-10	14.00	4.71E-02	4.75E-10	1,000,000	4.75E-04
313	7.6675E-07	1.085E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
314	7.6675E-07	9.9023E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.95E-10	1,000,000	3.95E-04
315	7.6675E-07	1.9864E-07	6.05E-04	1.20E-10	14.00	4.71E-02	7.93E-11	1,000,000	7.93E-05
316	7.6675E-07	2.2147E-07	6.05E-04	1.34E-10	14.00	4.71E-02	8.84E-11	1,000,000	8.84E-05
317	7.6675E-07	2.4716E-07	6.05E-04	1.50E-10	14.00	4.71E-02	9.87E-11	1,000,000	9.87E-05
318	7.6675E-07	2.7645E-07	6.05E-04	1.67E-10	14.00	4.71E-02	1.10E-10	1,000,000	1.10E-04
319	7.6675E-07	3.0925E-07	6.05E-04	1.87E-10	14.00	4.71E-02	1.23E-10	1,000,000	1.23E-04
320	7.6675E-07	3.6757E-07	6.05E-04	2.22E-10	14.00	4.71E-02	1.47E-10	1,000,000	1.47E-04
321	7.6675E-07	4.2033E-07	6.05E-04	2.54E-10	14.00	4.71E-02	1.68E-10	1,000,000	1.68E-04
322	7.6675E-07	4.9113E-07	6.05E-04	2.97E-10	14.00	4.71E-02	1.96E-10	1,000,000	1.96E-04
323	7.6675E-07	5.8575E-07	6.05E-04	3.54E-10	14.00	4.71E-02	2.34E-10	1,000,000	2.34E-04
324	7.6675E-07	6.862E-07	6.05E-04	4.15E-10	14.00	4.71E-02	2.74E-10	1,000,000	2.74E-04
325	7.6675E-07	8.0017E-07	6.05E-04	4.84E-10	14.00	4.71E-02	3.20E-10	1,000,000	3.20E-04
326	7.6675E-07	9.3035E-07	6.05E-04	5.63E-10	14.00	4.71E-02	3.72E-10	1,000,000	3.72E-04
327	7.6675E-07	1.1923E-06	6.05E-04	7.21E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
328	7.6675E-07	9.9583E-07	6.05E-04	6.03E-10	14.00	4.71E-02	3.98E-10	1,000,000	3.98E-04
329	7.6675E-07	9.9288E-07	6.05E-04	6.01E-10	14.00	4.71E-02	3.97E-10	1,000,000	3.97E-04
330	7.6675E-07	9.9837E-07	6.05E-04	6.04E-10	14.00	4.71E-02	3.99E-10	1,000,000	3.99E-04
331	7.6675E-07	1.0005E-06	6.05E-04	6.05E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
332	7.6675E-07	9.9704E-07	6.05E-04	6.03E-10	14.00	4.71E-02	3.98E-10	1,000,000	3.98E-04
333	7.6675E-07	9.4469E-07	6.05E-04	5.72E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
334	7.6675E-07	9.4314E-07	6.05E-04	5.71E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
335	7.6675E-07	8.9554E-07	6.05E-04	5.42E-10	14.00	4.71E-02	3.58E-10	1,000,000	3.58E-04
336	7.6675E-07	8.4272E-07	6.05E-04	5.10E-10	14.00	4.71E-02	3.37E-10	1,000,000	3.37E-04
337	7.6675E-07	1.7905E-07	6.05E-04	1.08E-10	14.00	4.71E-02	7.15E-11	1,000,000	7.15E-05
338	7.6675E-07	1.968E-07	6.05E-04	1.19E-10	14.00	4.71E-02	7.86E-11	1,000,000	7.86E-05
339	7.6675E-07	2.1517E-07	6.05E-04	1.30E-10	14.00	4.71E-02	8.59E-11	1,000,000	8.59E-05
340	7.6675E-07	2.419E-07	6.05E-04	1.46E-10	14.00	4.71E-02	9.66E-11	1,000,000	9.66E-05
341	7.6675E-07	2.6801E-07	6.05E-04	1.62E-10	14.00	4.71E-02	1.07E-10	1,000,000	1.07E-04
342	7.6675E-07	3.1221E-07	6.05E-04	1.89E-10	14.00	4.71E-02	1.25E-10	1,000,000	1.25E-04
343	7.6675E-07	3.4982E-07	6.05E-04	2.12E-10	14.00	4.71E-02	1.40E-10	1,000,000	1.40E-04
344	7.6675E-07	4.0389E-07	6.05E-04	2.44E-10	14.00	4.71E-02	1.61E-10	1,000,000	1.61E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
345	7.6675E-07	4.6761E-07	6.05E-04	2.83E-10	14.00	4.71E-02	1.87E-10	1,000,000	1.87E-04
346	7.6675E-07	5.4929E-07	6.05E-04	3.32E-10	14.00	4.71E-02	2.19E-10	1,000,000	2.19E-04
347	7.6675E-07	6.178E-07	6.05E-04	3.74E-10	14.00	4.71E-02	2.47E-10	1,000,000	2.47E-04
348	7.6675E-07	6.9259E-07	6.05E-04	4.19E-10	14.00	4.71E-02	2.77E-10	1,000,000	2.77E-04
349	7.6675E-07	6.8572E-07	6.05E-04	4.15E-10	14.00	4.71E-02	2.74E-10	1,000,000	2.74E-04
350	7.6675E-07	7.1517E-07	6.05E-04	4.33E-10	14.00	4.71E-02	2.86E-10	1,000,000	2.86E-04
351	7.6675E-07	7.3569E-07	6.05E-04	4.45E-10	14.00	4.71E-02	2.94E-10	1,000,000	2.94E-04
352	7.6675E-07	7.1735E-07	6.05E-04	4.34E-10	14.00	4.71E-02	2.86E-10	1,000,000	2.86E-04
353	7.6675E-07	7.5211E-07	6.05E-04	4.55E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
354	7.6675E-07	7.3707E-07	6.05E-04	4.46E-10	14.00	4.71E-02	2.94E-10	1,000,000	2.94E-04
355	7.6675E-07	7.3981E-07	6.05E-04	4.48E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
356	7.6675E-07	7.3919E-07	6.05E-04	4.47E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
357	7.6675E-07	7.1581E-07	6.05E-04	4.33E-10	14.00	4.71E-02	2.86E-10	1,000,000	2.86E-04
358	7.6675E-07	6.8642E-07	6.05E-04	4.15E-10	14.00	4.71E-02	2.74E-10	1,000,000	2.74E-04
359	7.6675E-07	1.5862E-07	6.05E-04	9.60E-11	14.00	4.71E-02	6.33E-11	1,000,000	6.33E-05
360	7.6675E-07	1.7428E-07	6.05E-04	1.05E-10	14.00	4.71E-02	6.96E-11	1,000,000	6.96E-05
361	7.6675E-07	1.907E-07	6.05E-04	1.15E-10	14.00	4.71E-02	7.62E-11	1,000,000	7.62E-05
362	7.6675E-07	2.0959E-07	6.05E-04	1.27E-10	14.00	4.71E-02	8.37E-11	1,000,000	8.37E-05
363	7.6675E-07	2.296E-07	6.05E-04	1.39E-10	14.00	4.71E-02	9.17E-11	1,000,000	9.17E-05
364	7.6675E-07	2.6004E-07	6.05E-04	1.57E-10	14.00	4.71E-02	1.04E-10	1,000,000	1.04E-04
365	7.6675E-07	2.9486E-07	6.05E-04	1.78E-10	14.00	4.71E-02	1.18E-10	1,000,000	1.18E-04
366	7.6675E-07	3.3721E-07	6.05E-04	2.04E-10	14.00	4.71E-02	1.35E-10	1,000,000	1.35E-04
367	7.6675E-07	3.9153E-07	6.05E-04	2.37E-10	14.00	4.71E-02	1.56E-10	1,000,000	1.56E-04
368	7.6675E-07	4.4065E-07	6.05E-04	2.67E-10	14.00	4.71E-02	1.76E-10	1,000,000	1.76E-04
369	7.6675E-07	4.8085E-07	6.05E-04	2.91E-10	14.00	4.71E-02	1.92E-10	1,000,000	1.92E-04
370	7.6675E-07	5.0797E-07	6.05E-04	3.07E-10	14.00	4.71E-02	2.03E-10	1,000,000	2.03E-04
371	7.6675E-07	5.4218E-07	6.05E-04	3.28E-10	14.00	4.71E-02	2.17E-10	1,000,000	2.17E-04
372	7.6675E-07	5.618E-07	6.05E-04	3.40E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
373	7.6675E-07	5.5955E-07	6.05E-04	3.39E-10	14.00	4.71E-02	2.23E-10	1,000,000	2.23E-04
374	7.6675E-07	5.5019E-07	6.05E-04	3.33E-10	14.00	4.71E-02	2.20E-10	1,000,000	2.20E-04
375	7.6675E-07	5.7034E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04
376	7.6675E-07	5.6583E-07	6.05E-04	3.42E-10	14.00	4.71E-02	2.26E-10	1,000,000	2.26E-04
377	7.6675E-07	5.7072E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
378	7.6675E-07	6.0025E-07	6.05E-04	3.63E-10	14.00	4.71E-02	2.40E-10	1,000,000	2.40E-04
379	7.6675E-07	5.9708E-07	6.05E-04	3.61E-10	14.00	4.71E-02	2.38E-10	1,000,000	2.38E-04
380	7.6675E-07	5.6546E-07	6.05E-04	3.42E-10	14.00	4.71E-02	2.26E-10	1,000,000	2.26E-04
381	7.6675E-07	6.5317E-07	6.05E-04	3.95E-10	14.00	4.71E-02	2.61E-10	1,000,000	2.61E-04
382	7.6675E-07	7.4313E-07	6.05E-04	4.50E-10	14.00	4.71E-02	2.97E-10	1,000,000	2.97E-04
383	7.6675E-07	8.521E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
384	7.6675E-07	9.8471E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
385	7.6675E-07	1.1464E-06	6.05E-04	6.94E-10	14.00	4.71E-02	4.58E-10	1,000,000	4.58E-04
386	7.6675E-07	1.3419E-06	6.05E-04	8.12E-10	14.00	4.71E-02	5.36E-10	1,000,000	5.36E-04
387	7.6675E-07	1.5734E-06	6.05E-04	9.52E-10	14.00	4.71E-02	6.28E-10	1,000,000	6.28E-04
388	7.6675E-07	1.8377E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.34E-10	1,000,000	7.34E-04
389	7.6675E-07	2.1166E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.45E-10	1,000,000	8.45E-04
390	7.6675E-07	2.3732E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.48E-10	1,000,000	9.48E-04
391	7.6675E-07	2.5544E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
392	7.6675E-07	2.6139E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
393	7.6675E-07	2.5333E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
394	7.6675E-07	2.341E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.35E-10	1,000,000	9.35E-04
395	7.6675E-07	2.0767E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
396	7.6675E-07	1.8001E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.19E-10	1,000,000	7.19E-04
397	7.6675E-07	1.543E-06	6.05E-04	9.34E-10	14.00	4.71E-02	6.16E-10	1,000,000	6.16E-04
398	7.6675E-07	1.318E-06	6.05E-04	7.97E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
399	7.6675E-07	6.9071E-07	6.05E-04	4.18E-10	14.00	4.71E-02	2.76E-10	1,000,000	2.76E-04
400	7.6675E-07	7.938E-07	6.05E-04	4.80E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
401	7.6675E-07	9.2194E-07	6.05E-04	5.58E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
402	7.6675E-07	1.0837E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
403	7.6675E-07	1.2892E-06	6.05E-04	7.80E-10	14.00	4.71E-02	5.15E-10	1,000,000	5.15E-04
404	7.6675E-07	1.5508E-06	6.05E-04	9.38E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
405	7.6675E-07	1.8832E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.52E-10	1,000,000	7.52E-04
406	7.6675E-07	2.295E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.16E-10	1,000,000	9.16E-04
407	7.6675E-07	2.7706E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
408	7.6675E-07	3.2506E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
409	7.6675E-07	3.6107E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
410	7.6675E-07	3.724E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
411	7.6675E-07	3.5613E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
412	7.6675E-07	3.1841E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
413	7.6675E-07	2.7051E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
414	7.6675E-07	2.2443E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.96E-10	1,000,000	8.96E-04
415	7.6675E-07	1.8485E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.38E-10	1,000,000	7.38E-04
416	7.6675E-07	1.5244E-06	6.05E-04	9.22E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
417	7.6675E-07	6.9611E-07	6.05E-04	4.21E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04
418	7.6675E-07	8.2632E-07	6.05E-04	5.00E-10	14.00	4.71E-02	3.30E-10	1,000,000	3.30E-04
419	7.6675E-07	9.8662E-07	6.05E-04	5.97E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
420	7.6675E-07	1.1786E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
421	7.6675E-07	1.4335E-06	6.05E-04	8.67E-10	14.00	4.71E-02	5.72E-10	1,000,000	5.72E-04
422	7.6675E-07	1.7786E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.10E-10	1,000,000	7.10E-04
423	7.6675E-07	2.2537E-06	6.05E-04	1.36E-09	14.00	4.71E-02	9.00E-10	1,000,000	9.00E-04
424	7.6675E-07	2.9073E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
425	7.6675E-07	3.7635E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
426	7.6675E-07	4.7472E-06	6.05E-04	2.87E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
427	7.6675E-07	5.5512E-06	6.05E-04	3.36E-09	14.00	4.71E-02	2.22E-09	1,000,000	2.22E-03
428	7.6675E-07	5.8303E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
429	7.6675E-07	5.4347E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
430	7.6675E-07	4.5733E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
431	7.6675E-07	3.6294E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
432	7.6675E-07	2.8303E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
433	7.6675E-07	2.2298E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.90E-10	1,000,000	8.90E-04
434	7.6675E-07	1.7756E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.09E-10	1,000,000	7.09E-04
435	7.6675E-07	6.4918E-07	6.05E-04	3.93E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
436	7.6675E-07	7.8185E-07	6.05E-04	4.73E-10	14.00	4.71E-02	3.12E-10	1,000,000	3.12E-04
437	7.6675E-07	9.9217E-07	6.05E-04	6.00E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
438	7.6675E-07	1.2604E-06	6.05E-04	7.63E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
439	7.6675E-07	1.5631E-06	6.05E-04	9.46E-10	14.00	4.71E-02	6.24E-10	1,000,000	6.24E-04
440	7.6675E-07	1.9978E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.98E-10	1,000,000	7.98E-04
441	7.6675E-07	2.6504E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
442	7.6675E-07	3.6755E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
443	7.6675E-07	5.3126E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
444	7.6675E-07	7.6535E-06	6.05E-04	4.63E-09	14.00	4.71E-02	3.06E-09	1,000,000	3.06E-03
445	7.6675E-07	9.8919E-06	6.05E-04	5.99E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03
446	7.6675E-07	1.0675E-05	6.05E-04	6.46E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
447	7.6675E-07	9.4793E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
448	7.6675E-07	7.1195E-06	6.05E-04	4.31E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
449	7.6675E-07	5.0425E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
450	7.6675E-07	3.6144E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
451	7.6675E-07	2.6642E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
452	7.6675E-07	2.0488E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.18E-10	1,000,000	8.18E-04
453	7.6675E-07	6.1654E-07	6.05E-04	3.73E-10	14.00	4.71E-02	2.46E-10	1,000,000	2.46E-04
454	7.6675E-07	7.4281E-07	6.05E-04	4.49E-10	14.00	4.71E-02	2.97E-10	1,000,000	2.97E-04
455	7.6675E-07	9.3713E-07	6.05E-04	5.67E-10	14.00	4.71E-02	3.74E-10	1,000,000	3.74E-04
456	7.6675E-07	1.2262E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
457	7.6675E-07	1.6157E-06	6.05E-04	9.78E-10	14.00	4.71E-02	6.45E-10	1,000,000	6.45E-04
458	7.6675E-07	2.153E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.60E-10	1,000,000	8.60E-04
459	7.6675E-07	2.9902E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
460	7.6675E-07	4.4734E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
461	7.6675E-07	7.5828E-06	6.05E-04	4.59E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
462	7.6675E-07	1.4825E-05	6.05E-04	8.97E-09	14.00	4.71E-02	5.92E-09	1,000,000	5.92E-03
463	7.6675E-07	2.4017E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.59E-09	1,000,000	9.59E-03
464	7.6675E-07	2.6892E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
465	7.6675E-07	2.1716E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.67E-09	1,000,000	8.67E-03
466	7.6675E-07	1.2474E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
467	7.6675E-07	7.1976E-06	6.05E-04	4.36E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
468	7.6675E-07	4.5878E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
469	7.6675E-07	3.1802E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
470	7.6675E-07	2.3449E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.36E-10	1,000,000	9.36E-04
471	7.6675E-07	5.5869E-07	6.05E-04	3.38E-10	14.00	4.71E-02	2.23E-10	1,000,000	2.23E-04
472	7.6675E-07	6.9879E-07	6.05E-04	4.23E-10	14.00	4.71E-02	2.79E-10	1,000,000	2.79E-04
473	7.6675E-07	8.7774E-07	6.05E-04	5.31E-10	14.00	4.71E-02	3.51E-10	1,000,000	3.51E-04
474	7.6675E-07	1.1032E-06	6.05E-04	6.68E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
475	7.6675E-07	1.4184E-06	6.05E-04	8.58E-10	14.00	4.71E-02	5.66E-10	1,000,000	5.66E-04
476	7.6675E-07	2.3738E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.48E-09	1,000,000	9.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
477	7.6675E-07	9.9002E-06	6.05E-04	5.99E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03
478	7.6675E-07	5.6301E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
479	7.6675E-07	3.6807E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
480	7.6675E-07	2.6194E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
481	7.6675E-07	5.0894E-07	6.05E-04	3.08E-10	14.00	4.71E-02	2.03E-10	1,000,000	2.03E-04
482	7.6675E-07	6.3556E-07	6.05E-04	3.85E-10	14.00	4.71E-02	2.54E-10	1,000,000	2.54E-04
483	7.6675E-07	7.723E-07	6.05E-04	4.67E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
484	7.6675E-07	9.7564E-07	6.05E-04	5.90E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
485	7.6675E-07	1.3319E-06	6.05E-04	8.06E-10	14.00	4.71E-02	5.32E-10	1,000,000	5.32E-04
486	7.6675E-07	2.7911E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
487	7.6675E-07	1.0872E-05	6.05E-04	6.58E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
488	7.6675E-07	6.0293E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
489	7.6675E-07	3.9091E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
490	7.6675E-07	2.7663E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
491	7.6675E-07	4.5492E-07	6.05E-04	2.75E-10	14.00	4.71E-02	1.82E-10	1,000,000	1.82E-04
492	7.6675E-07	5.529E-07	6.05E-04	3.35E-10	14.00	4.71E-02	2.21E-10	1,000,000	2.21E-04
493	7.6675E-07	6.6561E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
494	7.6675E-07	8.4094E-07	6.05E-04	5.09E-10	14.00	4.71E-02	3.36E-10	1,000,000	3.36E-04
495	7.6675E-07	1.1175E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
496	7.6675E-07	3.374E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
497	7.6675E-07	4.9102E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
498	7.6675E-07	1.8515E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.39E-09	1,000,000	7.39E-03
499	7.6675E-07	1.3505E-05	6.05E-04	8.17E-09	14.00	4.71E-02	5.39E-09	1,000,000	5.39E-03
500	7.6675E-07	8.1961E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
501	7.6675E-07	5.2806E-06	6.05E-04	3.20E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
502	7.6675E-07	3.6551E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
503	7.6675E-07	2.6774E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
504	7.6675E-07	4.0704E-07	6.05E-04	2.46E-10	14.00	4.71E-02	1.63E-10	1,000,000	1.63E-04
505	7.6675E-07	4.7412E-07	6.05E-04	2.87E-10	14.00	4.71E-02	1.89E-10	1,000,000	1.89E-04
506	7.6675E-07	5.8964E-07	6.05E-04	3.57E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
507	7.6675E-07	7.1086E-07	6.05E-04	4.30E-10	14.00	4.71E-02	2.84E-10	1,000,000	2.84E-04
508	7.6675E-07	9.4036E-07	6.05E-04	5.69E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
509	7.6675E-07	1.2263E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
510	7.6675E-07	1.6553E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.61E-10	1,000,000	6.61E-04
511	7.6675E-07	2.3373E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.33E-10	1,000,000	9.33E-04
512	7.6675E-07	3.382E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
513	7.6675E-07	4.6548E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
514	7.6675E-07	6.3091E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
515	7.6675E-07	7.5774E-06	6.05E-04	4.58E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
516	7.6675E-07	8.0055E-06	6.05E-04	4.84E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
517	7.6675E-07	6.8913E-06	6.05E-04	4.17E-09	14.00	4.71E-02	2.75E-09	1,000,000	2.75E-03
518	7.6675E-07	5.3357E-06	6.05E-04	3.23E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
519	7.6675E-07	4.0302E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
520	7.6675E-07	3.0692E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
521	7.6675E-07	2.3845E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.52E-10	1,000,000	9.52E-04
522	7.6675E-07	3.6005E-07	6.05E-04	2.18E-10	14.00	4.71E-02	1.44E-10	1,000,000	1.44E-04
523	7.6675E-07	4.2654E-07	6.05E-04	2.58E-10	14.00	4.71E-02	1.70E-10	1,000,000	1.70E-04
524	7.6675E-07	5.1024E-07	6.05E-04	3.09E-10	14.00	4.71E-02	2.04E-10	1,000,000	2.04E-04
525	7.6675E-07	6.1432E-07	6.05E-04	3.72E-10	14.00	4.71E-02	2.45E-10	1,000,000	2.45E-04
526	7.6675E-07	7.3287E-07	6.05E-04	4.43E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
527	7.6675E-07	9.8205E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
528	7.6675E-07	1.2712E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
529	7.6675E-07	1.6828E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.72E-10	1,000,000	6.72E-04
530	7.6675E-07	2.2845E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.12E-10	1,000,000	9.12E-04
531	7.6675E-07	2.9665E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
532	7.6675E-07	3.6654E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
533	7.6675E-07	4.3752E-06	6.05E-04	2.65E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
534	7.6675E-07	4.1991E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
535	7.6675E-07	4.0043E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
536	7.6675E-07	3.5418E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
537	7.6675E-07	2.9973E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
538	7.6675E-07	2.454E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
539	7.6675E-07	2.0176E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.06E-10	1,000,000	8.06E-04
540	7.6675E-07	3.1948E-07	6.05E-04	1.93E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
541	7.6675E-07	3.7321E-07	6.05E-04	2.26E-10	14.00	4.71E-02	1.49E-10	1,000,000	1.49E-04
542	7.6675E-07	4.3864E-07	6.05E-04	2.65E-10	14.00	4.71E-02	1.75E-10	1,000,000	1.75E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
543	7.6675E-07	5.2105E-07	6.05E-04	3.15E-10	14.00	4.71E-02	2.08E-10	1,000,000	2.08E-04
544	7.6675E-07	6.4161E-07	6.05E-04	3.88E-10	14.00	4.71E-02	2.56E-10	1,000,000	2.56E-04
545	7.6675E-07	7.7432E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.09E-10	1,000,000	3.09E-04
546	7.6675E-07	9.7513E-07	6.05E-04	5.90E-10	14.00	4.71E-02	3.89E-10	1,000,000	3.89E-04
547	7.6675E-07	1.2172E-06	6.05E-04	7.36E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
548	7.6675E-07	1.5776E-06	6.05E-04	9.55E-10	14.00	4.71E-02	6.30E-10	1,000,000	6.30E-04
549	7.6675E-07	1.969E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.86E-10	1,000,000	7.86E-04
550	7.6675E-07	2.4202E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.67E-10	1,000,000	9.67E-04
551	7.6675E-07	3.1785E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
552	7.6675E-07	2.6487E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
553	7.6675E-07	2.4937E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.96E-10	1,000,000	9.96E-04
554	7.6675E-07	2.295E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.16E-10	1,000,000	9.16E-04
555	7.6675E-07	2.2872E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.13E-10	1,000,000	9.13E-04
556	7.6675E-07	1.9608E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.83E-10	1,000,000	7.83E-04
557	7.6675E-07	1.6768E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.70E-10	1,000,000	6.70E-04
558	7.6675E-07	2.8449E-07	6.05E-04	1.72E-10	14.00	4.71E-02	1.14E-10	1,000,000	1.14E-04
559	7.6675E-07	3.2868E-07	6.05E-04	1.99E-10	14.00	4.71E-02	1.31E-10	1,000,000	1.31E-04
560	7.6675E-07	3.7338E-07	6.05E-04	2.26E-10	14.00	4.71E-02	1.49E-10	1,000,000	1.49E-04
561	7.6675E-07	4.3894E-07	6.05E-04	2.66E-10	14.00	4.71E-02	1.75E-10	1,000,000	1.75E-04
562	7.6675E-07	5.0994E-07	6.05E-04	3.09E-10	14.00	4.71E-02	2.04E-10	1,000,000	2.04E-04
563	7.6675E-07	6.0838E-07	6.05E-04	3.68E-10	14.00	4.71E-02	2.43E-10	1,000,000	2.43E-04
564	7.6675E-07	7.5652E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
565	7.6675E-07	9.0767E-07	6.05E-04	5.49E-10	14.00	4.71E-02	3.62E-10	1,000,000	3.62E-04
566	7.6675E-07	1.1369E-06	6.05E-04	6.88E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04
567	7.6675E-07	1.369E-06	6.05E-04	8.28E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
568	7.6675E-07	1.6535E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.60E-10	1,000,000	6.60E-04
569	7.6675E-07	1.651E-06	6.05E-04	9.99E-10	14.00	4.71E-02	6.59E-10	1,000,000	6.59E-04
570	7.6675E-07	1.6312E-06	6.05E-04	9.87E-10	14.00	4.71E-02	6.51E-10	1,000,000	6.51E-04
571	7.6675E-07	1.6647E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.65E-10	1,000,000	6.65E-04
572	7.6675E-07	1.6834E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.72E-10	1,000,000	6.72E-04
573	7.6675E-07	1.5731E-06	6.05E-04	9.52E-10	14.00	4.71E-02	6.28E-10	1,000,000	6.28E-04
574	7.6675E-07	1.4675E-06	6.05E-04	8.88E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
575	7.6675E-07	1.378E-06	6.05E-04	8.34E-10	14.00	4.71E-02	5.50E-10	1,000,000	5.50E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**Total Risk**		**Max**	**Receptor #**
1	7.67E-07	4.7567E-07	2.50E-04	1.19E-10	1.40E+01	1.57E-02	2.62E-11	1.0E+06	2.6E-05	3.8E-04	Res	0.053	184
2	7.6675E-07	5.2468E-07	2.50E-04	1.31E-10	14.00	1.57E-02	2.89E-11	1,000,000	2.89E-05	4.2E-04			
3	7.6675E-07	5.8066E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.20E-11	1,000,000	3.20E-05	4.6E-04			
4	7.6675E-07	6.4435E-07	2.50E-04	1.61E-10	14.00	1.57E-02	3.55E-11	1,000,000	3.55E-05	5.1E-04			
5	7.6675E-07	7.167E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.95E-11	1,000,000	3.95E-05	5.7E-04			
6	7.6675E-07	7.9805E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.39E-11	1,000,000	4.39E-05	6.4E-04			
7	7.6675E-07	8.8736E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.89E-11	1,000,000	4.89E-05	7.1E-04			
8	7.6675E-07	9.8314E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
9	7.6675E-07	1.0823E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
10	7.6675E-07	1.1778E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
11	7.6675E-07	1.2612E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.94E-11	1,000,000	6.94E-05	1.0E-03			
12	7.6675E-07	1.3233E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.29E-11	1,000,000	7.29E-05	1.1E-03			
13	7.6675E-07	1.3555E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
14	7.6675E-07	1.3526E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.45E-11	1,000,000	7.45E-05	1.1E-03			
15	7.6675E-07	1.3154E-06	2.50E-04	3.29E-10	14.00	1.57E-02	7.24E-11	1,000,000	7.24E-05	1.0E-03			
16	7.6675E-07	1.2479E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
17	7.6675E-07	1.1632E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.40E-11	1,000,000	6.40E-05	9.3E-04			
18	7.6675E-07	1.0675E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.88E-11	1,000,000	5.88E-05	8.5E-04			
19	7.6675E-07	9.6829E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.33E-11	1,000,000	5.33E-05	7.7E-04			
20	7.6675E-07	8.7477E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.82E-11	1,000,000	4.82E-05	7.0E-04			
21	7.6675E-07	7.8739E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.34E-11	1,000,000	4.34E-05	6.3E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
22	7.6675E-07	7.0721E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.89E-11	1,000,000	3.89E-05	5.6E-04			
23	7.6675E-07	5.045E-07	2.50E-04	1.26E-10	14.00	1.57E-02	2.78E-11	1,000,000	2.78E-05	4.0E-04			
24	7.6675E-07	5.6093E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
25	7.6675E-07	6.266E-07	2.50E-04	1.57E-10	14.00	1.57E-02	3.45E-11	1,000,000	3.45E-05	5.0E-04			
26	7.6675E-07	7.0314E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.87E-11	1,000,000	3.87E-05	5.6E-04			
27	7.6675E-07	7.9214E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
28	7.6675E-07	8.9558E-07	2.50E-04	2.24E-10	14.00	1.57E-02	4.93E-11	1,000,000	4.93E-05	7.1E-04			
29	7.6675E-07	1.013E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.58E-11	1,000,000	5.58E-05	8.1E-04			
30	7.6675E-07	1.1448E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.30E-11	1,000,000	6.30E-05	9.1E-04			
31	7.6675E-07	1.2856E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.08E-11	1,000,000	7.08E-05	1.0E-03			
32	7.6675E-07	1.4273E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.86E-11	1,000,000	7.86E-05	1.1E-03			
33	7.6675E-07	1.5553E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.56E-11	1,000,000	8.56E-05	1.2E-03			
34	7.6675E-07	1.6555E-06	2.50E-04	4.14E-10	14.00	1.57E-02	9.12E-11	1,000,000	9.12E-05	1.3E-03			
35	7.6675E-07	1.7093E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
36	7.6675E-07	1.7069E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.40E-11	1,000,000	9.40E-05	1.4E-03			
37	7.6675E-07	1.6417E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.04E-11	1,000,000	9.04E-05	1.3E-03			
38	7.6675E-07	1.5362E-06	2.50E-04	3.84E-10	14.00	1.57E-02	8.46E-11	1,000,000	8.46E-05	1.2E-03			
39	7.6675E-07	1.4076E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.75E-11	1,000,000	7.75E-05	1.1E-03			
40	7.6675E-07	1.2665E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.97E-11	1,000,000	6.97E-05	1.0E-03			
41	7.6675E-07	1.1263E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.20E-11	1,000,000	6.20E-05	9.0E-04			
42	7.6675E-07	9.9639E-07	2.50E-04	2.49E-10	14.00	1.57E-02	5.49E-11	1,000,000	5.49E-05	7.9E-04			
43	7.6675E-07	8.8026E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
44	7.6675E-07	7.8349E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.31E-11	1,000,000	4.31E-05	6.2E-04			
45	7.6675E-07	5.3251E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.93E-11	1,000,000	2.93E-05	4.2E-04			
46	7.6675E-07	5.9686E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.29E-11	1,000,000	3.29E-05	4.8E-04			
47	7.6675E-07	6.7322E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.71E-11	1,000,000	3.71E-05	5.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
48	7.6675E-07	7.6432E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.21E-11	1,000,000	4.21E-05	6.1E-04			
49	7.6675E-07	8.7332E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.81E-11	1,000,000	4.81E-05	7.0E-04			
50	7.6675E-07	1.0038E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.53E-11	1,000,000	5.53E-05	8.0E-04			
51	7.6675E-07	1.159E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
52	7.6675E-07	1.3406E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.38E-11	1,000,000	7.38E-05	1.1E-03			
53	7.6675E-07	1.5464E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.51E-11	1,000,000	8.51E-05	1.2E-03			
54	7.6675E-07	1.7641E-06	2.50E-04	4.42E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
55	7.6675E-07	1.973E-06	2.50E-04	4.94E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
56	7.6675E-07	2.1413E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
57	7.6675E-07	2.2333E-06	2.50E-04	5.59E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
58	7.6675E-07	2.2325E-06	2.50E-04	5.59E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
59	7.6675E-07	2.12E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
60	7.6675E-07	1.9421E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
61	7.6675E-07	1.7351E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.55E-11	1,000,000	9.55E-05	1.4E-03			
62	7.6675E-07	1.5187E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			
63	7.6675E-07	1.3176E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.25E-11	1,000,000	7.25E-05	1.0E-03			
64	7.6675E-07	1.1415E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
65	7.6675E-07	9.9229E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.46E-11	1,000,000	5.46E-05	7.9E-04			
66	7.6675E-07	8.6691E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
67	7.6675E-07	5.5853E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.08E-11	1,000,000	3.08E-05	4.4E-04			
68	7.6675E-07	6.3085E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.47E-11	1,000,000	3.47E-05	5.0E-04			
69	7.6675E-07	7.1823E-07	2.50E-04	1.80E-10	14.00	1.57E-02	3.95E-11	1,000,000	3.95E-05	5.7E-04			
70	7.6675E-07	8.2516E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.54E-11	1,000,000	4.54E-05	6.6E-04			
71	7.6675E-07	9.5695E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
72	7.6675E-07	1.1206E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.17E-11	1,000,000	6.17E-05	8.9E-04			
73	7.6675E-07	1.3244E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.29E-11	1,000,000	7.29E-05	1.1E-03			
74	7.6675E-07	1.576E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.68E-11	1,000,000	8.68E-05	1.3E-03			
75	7.6675E-07	1.8803E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
76	7.6675E-07	2.23E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
77	7.6675E-07	2.593E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
78	7.6675E-07	2.9067E-06	2.50E-04	7.27E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
79	7.6675E-07	3.0787E-06	2.50E-04	7.71E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
80	7.6675E-07	3.0617E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years											
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
81	7.6675E-07	2.8595E-06	2.50E-04	7.16E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
82	7.6675E-07	2.5457E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
83	7.6675E-07	2.1837E-06	2.50E-04	5.47E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
84	7.6675E-07	1.8454E-06	2.50E-04	4.62E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
85	7.6675E-07	1.543E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.50E-11	1,000,000	8.50E-05	1.2E-03			
86	7.6675E-07	1.3082E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.20E-11	1,000,000	7.20E-05	1.0E-03			
87	7.6675E-07	1.1128E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.13E-11	1,000,000	6.13E-05	8.9E-04			
88	7.6675E-07	9.5674E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
89	7.6675E-07	5.6659E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.12E-11	1,000,000	3.12E-05	4.5E-04			
90	7.6675E-07	6.6152E-07	2.50E-04	1.66E-10	14.00	1.57E-02	3.64E-11	1,000,000	3.64E-05	5.3E-04			
91	7.6675E-07	7.5967E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.18E-11	1,000,000	4.18E-05	6.1E-04			
92	7.6675E-07	8.8222E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
93	7.6675E-07	1.0379E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.71E-11	1,000,000	5.71E-05	8.3E-04			
94	7.6675E-07	1.2394E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.82E-11	1,000,000	6.82E-05	9.9E-04			
95	7.6675E-07	1.5026E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.27E-11	1,000,000	8.27E-05	1.2E-03			
96	7.6675E-07	1.8496E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
97	7.6675E-07	2.3066E-06	2.50E-04	5.77E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
98	7.6675E-07	2.8869E-06	2.50E-04	7.23E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
99	7.6675E-07	3.5553E-06	2.50E-04	8.90E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
100	7.6675E-07	4.1849E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
101	7.6675E-07	4.5576E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
102	7.6675E-07	4.5164E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
103	7.6675E-07	4.0907E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
104	7.6675E-07	3.4503E-06	2.50E-04	8.64E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
105	7.6675E-07	2.8105E-06	2.50E-04	7.03E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
106	7.6675E-07	2.2612E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
107	7.6675E-07	1.8269E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
108	7.6675E-07	1.4967E-06	2.50E-04	3.75E-10	14.00	1.57E-02	8.24E-11	1,000,000	8.24E-05	1.2E-03			
109	7.6675E-07	1.2444E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.85E-11	1,000,000	6.85E-05	9.9E-04			
110	7.6675E-07	1.0524E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.79E-11	1,000,000	5.79E-05	8.4E-04			
111	7.6675E-07	5.3585E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.95E-11	1,000,000	2.95E-05	4.3E-04			
112	7.6675E-07	6.4581E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.56E-11	1,000,000	3.56E-05	5.1E-04			
113	7.6675E-07	7.2627E-07	2.50E-04	1.82E-10	14.00	1.57E-02	4.00E-11	1,000,000	4.00E-05	5.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
114	7.6675E-07	8.6666E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
115	7.6675E-07	1.095E-06	2.50E-04	2.74E-10	14.00	1.57E-02	6.03E-11	1,000,000	6.03E-05	8.7E-04			
116	7.6675E-07	1.3506E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.44E-11	1,000,000	7.44E-05	1.1E-03			
117	7.6675E-07	1.6796E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.25E-11	1,000,000	9.25E-05	1.3E-03			
118	7.6675E-07	2.1456E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
119	7.6675E-07	2.8242E-06	2.50E-04	7.07E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.2E-03			
120	7.6675E-07	3.8164E-06	2.50E-04	9.55E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
121	7.6675E-07	5.1774E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
122	7.6675E-07	6.6493E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
123	7.6675E-07	7.5944E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.0E-03			
124	7.6675E-07	7.4757E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
125	7.6675E-07	6.3759E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
126	7.6675E-07	4.9197E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
127	7.6675E-07	3.6877E-06	2.50E-04	9.23E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
128	7.6675E-07	2.7868E-06	2.50E-04	6.97E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
129	7.6675E-07	2.1509E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
130	7.6675E-07	1.7085E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
131	7.6675E-07	1.3875E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.64E-11	1,000,000	7.64E-05	1.1E-03			
132	7.6675E-07	1.1528E-06	2.50E-04	2.89E-10	14.00	1.57E-02	6.35E-11	1,000,000	6.35E-05	9.2E-04			
133	7.6675E-07	5.0656E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.79E-11	1,000,000	2.79E-05	4.0E-04			
134	7.6675E-07	5.8983E-07	2.50E-04	1.48E-10	14.00	1.57E-02	3.25E-11	1,000,000	3.25E-05	4.7E-04			
135	7.6675E-07	6.9162E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.81E-11	1,000,000	3.81E-05	5.5E-04			
136	7.6675E-07	8.554E-07	2.50E-04	2.14E-10	14.00	1.57E-02	4.71E-11	1,000,000	4.71E-05	6.8E-04			
137	7.6675E-07	1.1384E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
138	7.6675E-07	1.4367E-06	2.50E-04	3.60E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
139	7.6675E-07	1.8296E-06	2.50E-04	4.58E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
140	7.6675E-07	2.4173E-06	2.50E-04	6.05E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
141	7.6675E-07	3.3752E-06	2.50E-04	8.45E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
142	7.6675E-07	5.0524E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
143	7.6675E-07	8.1238E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
144	7.6675E-07	1.2589E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
145	7.6675E-07	1.566E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.62E-10	1,000,000	8.62E-04	1.2E-02			
146	7.6675E-07	1.5214E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.38E-10	1,000,000	8.38E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
147	7.6675E-07	1.1445E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.30E-10	1,000,000	6.30E-04	9.1E-03			
148	7.6675E-07	7.4412E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.9E-03			
149	7.6675E-07	4.9212E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
150	7.6675E-07	3.4248E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
151	7.6675E-07	2.5157E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
152	7.6675E-07	1.935E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
153	7.6675E-07	1.5375E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
154	7.6675E-07	1.2554E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.91E-11	1,000,000	6.91E-05	1.0E-03			
155	7.6675E-07	4.4356E-07	2.50E-04	1.11E-10	14.00	1.57E-02	2.44E-11	1,000,000	2.44E-05	3.5E-04			
156	7.6675E-07	5.2737E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.90E-11	1,000,000	2.90E-05	4.2E-04			
157	7.6675E-07	6.5774E-07	2.50E-04	1.65E-10	14.00	1.57E-02	3.62E-11	1,000,000	3.62E-05	5.2E-04			
158	7.6675E-07	7.9188E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
159	7.6675E-07	1.0052E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.53E-11	1,000,000	5.53E-05	8.0E-04			
160	7.6675E-07	1.2939E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.12E-11	1,000,000	7.12E-05	1.0E-03			
161	7.6675E-07	1.7384E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.57E-11	1,000,000	9.57E-05	1.4E-03			
162	7.6675E-07	2.5616E-06	2.50E-04	6.41E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
163	7.6675E-07	3.7827E-06	2.50E-04	9.47E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
164	7.6675E-07	6.2581E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
165	7.6675E-07	1.3546E-05	2.50E-04	3.39E-09	14.00	1.57E-02	7.46E-10	1,000,000	7.46E-04	1.1E-02			
166	7.6675E-07	4.072E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.24E-09	1,000,000	2.24E-03	3.2E-02			
167	7.6675E-07	5.5746E-05	2.50E-04	1.40E-08	14.00	1.57E-02	3.07E-09	1,000,000	3.07E-03	4.4E-02			
168	7.6675E-07	5.5056E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.03E-09	1,000,000	3.03E-03	4.4E-02			
169	7.6675E-07	2.7261E-05	2.50E-04	6.82E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
170	7.6675E-07	1.1828E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.51E-10	1,000,000	6.51E-04	9.4E-03			
171	7.6675E-07	6.4864E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.57E-10	1,000,000	3.57E-04	5.2E-03			
172	7.6675E-07	4.1529E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
173	7.6675E-07	2.9044E-06	2.50E-04	7.27E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
174	7.6675E-07	2.1634E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
175	7.6675E-07	1.6859E-06	2.50E-04	4.22E-10	14.00	1.57E-02	9.28E-11	1,000,000	9.28E-05	1.3E-03			
176	7.6675E-07	1.3562E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.47E-11	1,000,000	7.47E-05	1.1E-03			
177	7.6675E-07	4.1318E-07	2.50E-04	1.03E-10	14.00	1.57E-02	2.27E-11	1,000,000	2.27E-05	3.3E-04			
178	7.6675E-07	4.9749E-07	2.50E-04	1.25E-10	14.00	1.57E-02	2.74E-11	1,000,000	2.74E-05	4.0E-04			
179	7.6675E-07	6.1987E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.41E-11	1,000,000	3.41E-05	4.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
180	7.6675E-07	7.7674E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.28E-11	1,000,000	4.28E-05	6.2E-04			
181	7.6675E-07	9.7276E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.36E-11	1,000,000	5.36E-05	7.7E-04			
182	7.6675E-07	1.2306E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.78E-11	1,000,000	6.78E-05	9.8E-04			
183	7.6675E-07	1.6275E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.96E-11	1,000,000	8.96E-05	1.3E-03			
184	7.6675E-07	6.6539E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.66E-09	1,000,000	3.66E-03	5.3E-02			
185	7.6675E-07	1.6363E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.01E-10	1,000,000	9.01E-04	1.3E-02			
186	7.6675E-07	7.8448E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.32E-10	1,000,000	4.32E-04	6.2E-03			
187	7.6675E-07	4.7192E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
188	7.6675E-07	3.2006E-06	2.50E-04	8.01E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
189	7.6675E-07	2.3407E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
190	7.6675E-07	1.7994E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.91E-11	1,000,000	9.91E-05	1.4E-03			
191	7.6675E-07	1.4338E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.89E-11	1,000,000	7.89E-05	1.1E-03			
192	7.6675E-07	3.7592E-07	2.50E-04	9.41E-11	14.00	1.57E-02	2.07E-11	1,000,000	2.07E-05	3.0E-04			
193	7.6675E-07	4.4317E-07	2.50E-04	1.11E-10	14.00	1.57E-02	2.44E-11	1,000,000	2.44E-05	3.5E-04			
194	7.6675E-07	5.4352E-07	2.50E-04	1.36E-10	14.00	1.57E-02	2.99E-11	1,000,000	2.99E-05	4.3E-04			
195	7.6675E-07	6.7183E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.70E-11	1,000,000	3.70E-05	5.4E-04			
196	7.6675E-07	8.5791E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
197	7.6675E-07	1.0745E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.92E-11	1,000,000	5.92E-05	8.6E-04			
198	7.6675E-07	1.4443E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.95E-11	1,000,000	7.95E-05	1.2E-03			
199	7.6675E-07	4.7273E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
200	7.6675E-07	3.2795E-05	2.50E-04	8.21E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02			
201	7.6675E-07	1.3701E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.54E-10	1,000,000	7.54E-04	1.1E-02			
202	7.6675E-07	7.3807E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.06E-10	1,000,000	4.06E-04	5.9E-03			
203	7.6675E-07	4.659E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
204	7.6675E-07	3.2263E-06	2.50E-04	8.07E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
205	7.6675E-07	2.3799E-06	2.50E-04	5.96E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
206	7.6675E-07	1.8365E-06	2.50E-04	4.60E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
207	7.6675E-07	1.4664E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.07E-11	1,000,000	8.07E-05	1.2E-03			
208	7.6675E-07	3.4242E-07	2.50E-04	8.57E-11	14.00	1.57E-02	1.89E-11	1,000,000	1.89E-05	2.7E-04			
209	7.6675E-07	4.0045E-07	2.50E-04	1.00E-10	14.00	1.57E-02	2.20E-11	1,000,000	2.20E-05	3.2E-04			
210	7.6675E-07	4.6257E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.55E-11	1,000,000	2.55E-05	3.7E-04			
211	7.6675E-07	5.6928E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.13E-11	1,000,000	3.13E-05	4.5E-04			
212	7.6675E-07	6.9679E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.84E-11	1,000,000	3.84E-05	5.5E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
213	7.6675E-07	8.9238E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.91E-11	1,000,000	4.91E-05	7.1E-04			
214	7.6675E-07	1.1996E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
215	7.6675E-07	1.6175E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.91E-11	1,000,000	8.91E-05	1.3E-03			
216	7.6675E-07	2.4176E-06	2.50E-04	6.05E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
217	7.6675E-07	3.452E-06	2.50E-04	8.64E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
218	7.6675E-07	1.1467E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.31E-10	1,000,000	6.31E-04	9.1E-03			
219	7.6675E-07	1.0683E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.88E-10	1,000,000	5.88E-04	8.5E-03			
220	7.6675E-07	7.9149E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.36E-10	1,000,000	4.36E-04	6.3E-03			
221	7.6675E-07	5.5375E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
222	7.6675E-07	3.9508E-06	2.50E-04	9.89E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.1E-03			
223	7.6675E-07	2.9237E-06	2.50E-04	7.32E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
224	7.6675E-07	2.241E-06	2.50E-04	5.61E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
225	7.6675E-07	1.7702E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.75E-11	1,000,000	9.75E-05	1.4E-03			
226	7.6675E-07	1.4346E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
227	7.6675E-07	3.0961E-07	2.50E-04	7.75E-11	14.00	1.57E-02	1.70E-11	1,000,000	1.70E-05	2.5E-04			
228	7.6675E-07	3.5589E-07	2.50E-04	8.91E-11	14.00	1.57E-02	1.96E-11	1,000,000	1.96E-05	2.8E-04			
229	7.6675E-07	4.1336E-07	2.50E-04	1.03E-10	14.00	1.57E-02	2.28E-11	1,000,000	2.28E-05	3.3E-04			
230	7.6675E-07	4.9206E-07	2.50E-04	1.23E-10	14.00	1.57E-02	2.71E-11	1,000,000	2.71E-05	3.9E-04			
231	7.6675E-07	5.9714E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.29E-11	1,000,000	3.29E-05	4.8E-04			
232	7.6675E-07	7.238E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.99E-11	1,000,000	3.99E-05	5.8E-04			
233	7.6675E-07	9.584E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.28E-11	1,000,000	5.28E-05	7.6E-04			
234	7.6675E-07	1.2568E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.92E-11	1,000,000	6.92E-05	1.0E-03			
235	7.6675E-07	1.7108E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.42E-11	1,000,000	9.42E-05	1.4E-03			
236	7.6675E-07	2.3694E-06	2.50E-04	5.93E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
237	7.6675E-07	3.214E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
238	7.6675E-07	4.2136E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
239	7.6675E-07	5.2515E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.89E-10	1,000,000	2.89E-04	4.2E-03			
240	7.6675E-07	5.642E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
241	7.6675E-07	5.6356E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
242	7.6675E-07	4.5957E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
243	7.6675E-07	3.8788E-06	2.50E-04	9.71E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
244	7.6675E-07	3.0869E-06	2.50E-04	7.73E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
245	7.6675E-07	2.4577E-06	2.50E-04	6.15E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years											
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max Receptor #
246	7.6675E-07	1.9802E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03		
247	7.6675E-07	1.6193E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.92E-11	1,000,000	8.92E-05	1.3E-03		
248	7.6675E-07	1.3444E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.40E-11	1,000,000	7.40E-05	1.1E-03		
249	7.6675E-07	2.8089E-07	2.50E-04	7.03E-11	14.00	1.57E-02	1.55E-11	1,000,000	1.55E-05	2.2E-04		
250	7.6675E-07	3.1846E-07	2.50E-04	7.97E-11	14.00	1.57E-02	1.75E-11	1,000,000	1.75E-05	2.5E-04		
251	7.6675E-07	3.6432E-07	2.50E-04	9.12E-11	14.00	1.57E-02	2.01E-11	1,000,000	2.01E-05	2.9E-04		
252	7.6675E-07	4.3048E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04		
253	7.6675E-07	5.1006E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.81E-11	1,000,000	2.81E-05	4.1E-04		
254	7.6675E-07	6.3391E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.49E-11	1,000,000	3.49E-05	5.0E-04		
255	7.6675E-07	7.7533E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.27E-11	1,000,000	4.27E-05	6.2E-04		
256	7.6675E-07	1.0137E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.58E-11	1,000,000	5.58E-05	8.1E-04		
257	7.6675E-07	1.2696E-06	2.50E-04	3.18E-10	14.00	1.57E-02	6.99E-11	1,000,000	6.99E-05	1.0E-03		
258	7.6675E-07	1.6069E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.85E-11	1,000,000	8.85E-05	1.3E-03		
259	7.6675E-07	2.1242E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03		
260	7.6675E-07	2.7056E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03		
261	7.6675E-07	3.1937E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03		
262	7.6675E-07	3.3391E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03		
263	7.6675E-07	3.2142E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03		
264	7.6675E-07	2.9622E-06	2.50E-04	7.41E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03		
265	7.6675E-07	2.8003E-06	2.50E-04	7.01E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03		
266	7.6675E-07	2.3919E-06	2.50E-04	5.99E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03		
267	7.6675E-07	2.0066E-06	2.50E-04	5.02E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03		
268	7.6675E-07	1.6889E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.30E-11	1,000,000	9.30E-05	1.3E-03		
269	7.6675E-07	1.4298E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.87E-11	1,000,000	7.87E-05	1.1E-03		
270	7.6675E-07	1.2191E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.71E-11	1,000,000	6.71E-05	9.7E-04		
271	7.6675E-07	2.5059E-07	2.50E-04	6.27E-11	14.00	1.57E-02	1.38E-11	1,000,000	1.38E-05	2.0E-04		
272	7.6675E-07	2.8115E-07	2.50E-04	7.04E-11	14.00	1.57E-02	1.55E-11	1,000,000	1.55E-05	2.2E-04		
273	7.6675E-07	3.2152E-07	2.50E-04	8.05E-11	14.00	1.57E-02	1.77E-11	1,000,000	1.77E-05	2.6E-04		
274	7.6675E-07	3.7097E-07	2.50E-04	9.28E-11	14.00	1.57E-02	2.04E-11	1,000,000	2.04E-05	3.0E-04		
275	7.6675E-07	4.3404E-07	2.50E-04	1.09E-10	14.00	1.57E-02	2.39E-11	1,000,000	2.39E-05	3.5E-04		
276	7.6675E-07	5.2245E-07	2.50E-04	1.31E-10	14.00	1.57E-02	2.88E-11	1,000,000	2.88E-05	4.2E-04		
277	7.6675E-07	6.319E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04		
278	7.6675E-07	7.6111E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.19E-11	1,000,000	4.19E-05	6.1E-04		

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
279	7.6675E-07	9.4364E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.20E-11	1,000,000	5.20E-05	7.5E-04			
280	7.6675E-07	1.1694E-06	2.50E-04	2.93E-10	14.00	1.57E-02	6.44E-11	1,000,000	6.44E-05	9.3E-04			
281	7.6675E-07	1.4723E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.11E-11	1,000,000	8.11E-05	1.2E-03			
282	7.6675E-07	1.8308E-06	2.50E-04	4.58E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
283	7.6675E-07	2.0864E-06	2.50E-04	5.22E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
284	7.6675E-07	1.9998E-06	2.50E-04	5.00E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
285	7.6675E-07	2.0676E-06	2.50E-04	5.17E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03			
286	7.6675E-07	1.9905E-06	2.50E-04	4.98E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
287	7.6675E-07	1.8648E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
288	7.6675E-07	1.7515E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.64E-11	1,000,000	9.64E-05	1.4E-03			
289	7.6675E-07	1.5975E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.80E-11	1,000,000	8.80E-05	1.3E-03			
290	7.6675E-07	1.4314E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.88E-11	1,000,000	7.88E-05	1.1E-03			
291	7.6675E-07	1.2458E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			
292	7.6675E-07	1.0837E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
293	7.6675E-07	2.2506E-07	2.50E-04	5.63E-11	14.00	1.57E-02	1.24E-11	1,000,000	1.24E-05	1.8E-04			
294	7.6675E-07	2.5189E-07	2.50E-04	6.30E-11	14.00	1.57E-02	1.39E-11	1,000,000	1.39E-05	2.0E-04			
295	7.6675E-07	2.8371E-07	2.50E-04	7.10E-11	14.00	1.57E-02	1.56E-11	1,000,000	1.56E-05	2.3E-04			
296	7.6675E-07	3.202E-07	2.50E-04	8.01E-11	14.00	1.57E-02	1.76E-11	1,000,000	1.76E-05	2.6E-04			
297	7.6675E-07	3.7281E-07	2.50E-04	9.33E-11	14.00	1.57E-02	2.05E-11	1,000,000	2.05E-05	3.0E-04			
298	7.6675E-07	4.3473E-07	2.50E-04	1.09E-10	14.00	1.57E-02	2.39E-11	1,000,000	2.39E-05	3.5E-04			
299	7.6675E-07	5.1316E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.83E-11	1,000,000	2.83E-05	4.1E-04			
300	7.6675E-07	6.2261E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.43E-11	1,000,000	3.43E-05	5.0E-04			
301	7.6675E-07	7.2296E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.98E-11	1,000,000	3.98E-05	5.8E-04			
302	7.6675E-07	8.8456E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.87E-11	1,000,000	4.87E-05	7.0E-04			
303	7.6675E-07	1.063E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.85E-11	1,000,000	5.85E-05	8.5E-04			
304	7.6675E-07	1.2828E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
305	7.6675E-07	1.4093E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
306	7.6675E-07	1.3899E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.65E-11	1,000,000	7.65E-05	1.1E-03			
307	7.6675E-07	1.3887E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.65E-11	1,000,000	7.65E-05	1.1E-03			
308	7.6675E-07	1.3381E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.37E-11	1,000,000	7.37E-05	1.1E-03			
309	7.6675E-07	1.4266E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
310	7.6675E-07	1.3234E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.29E-11	1,000,000	7.29E-05	1.1E-03			
311	7.6675E-07	1.2455E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
312	7.6675E-07	1.1885E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.54E-11	1,000,000	6.54E-05	9.5E-04			
313	7.6675E-07	1.085E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
314	7.6675E-07	9.9023E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
315	7.6675E-07	1.9864E-07	2.50E-04	4.97E-11	14.00	1.57E-02	1.09E-11	1,000,000	1.09E-05	1.6E-04			
316	7.6675E-07	2.2147E-07	2.50E-04	5.54E-11	14.00	1.57E-02	1.22E-11	1,000,000	1.22E-05	1.8E-04			
317	7.6675E-07	2.4716E-07	2.50E-04	6.19E-11	14.00	1.57E-02	1.36E-11	1,000,000	1.36E-05	2.0E-04			
318	7.6675E-07	2.7645E-07	2.50E-04	6.92E-11	14.00	1.57E-02	1.52E-11	1,000,000	1.52E-05	2.2E-04			
319	7.6675E-07	3.0925E-07	2.50E-04	7.74E-11	14.00	1.57E-02	1.70E-11	1,000,000	1.70E-05	2.5E-04			
320	7.6675E-07	3.6757E-07	2.50E-04	9.20E-11	14.00	1.57E-02	2.02E-11	1,000,000	2.02E-05	2.9E-04			
321	7.6675E-07	4.2033E-07	2.50E-04	1.05E-10	14.00	1.57E-02	2.31E-11	1,000,000	2.31E-05	3.3E-04			
322	7.6675E-07	4.9113E-07	2.50E-04	1.23E-10	14.00	1.57E-02	2.70E-11	1,000,000	2.70E-05	3.9E-04			
323	7.6675E-07	5.8575E-07	2.50E-04	1.47E-10	14.00	1.57E-02	3.23E-11	1,000,000	3.23E-05	4.7E-04			
324	7.6675E-07	6.862E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.78E-11	1,000,000	3.78E-05	5.5E-04			
325	7.6675E-07	8.0017E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.41E-11	1,000,000	4.41E-05	6.4E-04			
326	7.6675E-07	9.3035E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.12E-11	1,000,000	5.12E-05	7.4E-04			
327	7.6675E-07	1.1923E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.56E-11	1,000,000	6.56E-05	9.5E-04			
328	7.6675E-07	9.9583E-07	2.50E-04	2.49E-10	14.00	1.57E-02	5.48E-11	1,000,000	5.48E-05	7.9E-04			
329	7.6675E-07	9.9288E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.47E-11	1,000,000	5.47E-05	7.9E-04			
330	7.6675E-07	9.9837E-07	2.50E-04	2.50E-10	14.00	1.57E-02	5.50E-11	1,000,000	5.50E-05	8.0E-04			
331	7.6675E-07	1.0005E-06	2.50E-04	2.50E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
332	7.6675E-07	9.9704E-07	2.50E-04	2.50E-10	14.00	1.57E-02	5.49E-11	1,000,000	5.49E-05	7.9E-04			
333	7.6675E-07	9.4469E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.20E-11	1,000,000	5.20E-05	7.5E-04			
334	7.6675E-07	9.4314E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.19E-11	1,000,000	5.19E-05	7.5E-04			
335	7.6675E-07	8.9554E-07	2.50E-04	2.24E-10	14.00	1.57E-02	4.93E-11	1,000,000	4.93E-05	7.1E-04			
336	7.6675E-07	8.4272E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.64E-11	1,000,000	4.64E-05	6.7E-04			
337	7.6675E-07	1.7905E-07	2.50E-04	4.48E-11	14.00	1.57E-02	9.86E-12	1,000,000	9.86E-06	1.4E-04			
338	7.6675E-07	1.968E-07	2.50E-04	4.93E-11	14.00	1.57E-02	1.08E-11	1,000,000	1.08E-05	1.6E-04			
339	7.6675E-07	2.1517E-07	2.50E-04	5.39E-11	14.00	1.57E-02	1.18E-11	1,000,000	1.18E-05	1.7E-04			
340	7.6675E-07	2.419E-07	2.50E-04	6.05E-11	14.00	1.57E-02	1.33E-11	1,000,000	1.33E-05	1.9E-04			
341	7.6675E-07	2.6801E-07	2.50E-04	6.71E-11	14.00	1.57E-02	1.48E-11	1,000,000	1.48E-05	2.1E-04			
342	7.6675E-07	3.1221E-07	2.50E-04	7.81E-11	14.00	1.57E-02	1.72E-11	1,000,000	1.72E-05	2.5E-04			
343	7.6675E-07	3.4982E-07	2.50E-04	8.75E-11	14.00	1.57E-02	1.93E-11	1,000,000	1.93E-05	2.8E-04			
344	7.6675E-07	4.0389E-07	2.50E-04	1.01E-10	14.00	1.57E-02	2.22E-11	1,000,000	2.22E-05	3.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
345	7.6675E-07	4.6761E-07	2.50E-04	1.17E-10	14.00	1.57E-02	2.57E-11	1,000,000	2.57E-05	3.7E-04			
346	7.6675E-07	5.4929E-07	2.50E-04	1.37E-10	14.00	1.57E-02	3.02E-11	1,000,000	3.02E-05	4.4E-04			
347	7.6675E-07	6.178E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.40E-11	1,000,000	3.40E-05	4.9E-04			
348	7.6675E-07	6.9259E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.81E-11	1,000,000	3.81E-05	5.5E-04			
349	7.6675E-07	6.8572E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.78E-11	1,000,000	3.78E-05	5.5E-04			
350	7.6675E-07	7.1517E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.94E-11	1,000,000	3.94E-05	5.7E-04			
351	7.6675E-07	7.3569E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.05E-11	1,000,000	4.05E-05	5.9E-04			
352	7.6675E-07	7.1735E-07	2.50E-04	1.80E-10	14.00	1.57E-02	3.95E-11	1,000,000	3.95E-05	5.7E-04			
353	7.6675E-07	7.5211E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.14E-11	1,000,000	4.14E-05	6.0E-04			
354	7.6675E-07	7.3707E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.06E-11	1,000,000	4.06E-05	5.9E-04			
355	7.6675E-07	7.3981E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
356	7.6675E-07	7.3919E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
357	7.6675E-07	7.1581E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.94E-11	1,000,000	3.94E-05	5.7E-04			
358	7.6675E-07	6.8642E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.78E-11	1,000,000	3.78E-05	5.5E-04			
359	7.6675E-07	1.5862E-07	2.50E-04	3.97E-11	14.00	1.57E-02	8.73E-12	1,000,000	8.73E-06	1.3E-04			
360	7.6675E-07	1.7428E-07	2.50E-04	4.36E-11	14.00	1.57E-02	9.60E-12	1,000,000	9.60E-06	1.4E-04			
361	7.6675E-07	1.907E-07	2.50E-04	4.77E-11	14.00	1.57E-02	1.05E-11	1,000,000	1.05E-05	1.5E-04			
362	7.6675E-07	2.0959E-07	2.50E-04	5.25E-11	14.00	1.57E-02	1.15E-11	1,000,000	1.15E-05	1.7E-04			
363	7.6675E-07	2.296E-07	2.50E-04	5.75E-11	14.00	1.57E-02	1.26E-11	1,000,000	1.26E-05	1.8E-04			
364	7.6675E-07	2.6004E-07	2.50E-04	6.51E-11	14.00	1.57E-02	1.43E-11	1,000,000	1.43E-05	2.1E-04			
365	7.6675E-07	2.9486E-07	2.50E-04	7.38E-11	14.00	1.57E-02	1.62E-11	1,000,000	1.62E-05	2.3E-04			
366	7.6675E-07	3.3721E-07	2.50E-04	8.44E-11	14.00	1.57E-02	1.86E-11	1,000,000	1.86E-05	2.7E-04			
367	7.6675E-07	3.9153E-07	2.50E-04	9.80E-11	14.00	1.57E-02	2.16E-11	1,000,000	2.16E-05	3.1E-04			
368	7.6675E-07	4.4065E-07	2.50E-04	1.10E-10	14.00	1.57E-02	2.43E-11	1,000,000	2.43E-05	3.5E-04			
369	7.6675E-07	4.8085E-07	2.50E-04	1.20E-10	14.00	1.57E-02	2.65E-11	1,000,000	2.65E-05	3.8E-04			
370	7.6675E-07	5.0797E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.80E-11	1,000,000	2.80E-05	4.0E-04			
371	7.6675E-07	5.4218E-07	2.50E-04	1.36E-10	14.00	1.57E-02	2.99E-11	1,000,000	2.99E-05	4.3E-04			
372	7.6675E-07	5.618E-07	2.50E-04	1.41E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
373	7.6675E-07	5.5955E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.08E-11	1,000,000	3.08E-05	4.5E-04			
374	7.6675E-07	5.5019E-07	2.50E-04	1.38E-10	14.00	1.57E-02	3.03E-11	1,000,000	3.03E-05	4.4E-04			
375	7.6675E-07	5.7034E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			
376	7.6675E-07	5.6583E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.12E-11	1,000,000	3.12E-05	4.5E-04			
377	7.6675E-07	5.7072E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
378	7.6675E-07	6.0025E-07	2.50E-04	1.50E-10	14.00	1.57E-02	3.31E-11	1,000,000	3.31E-05	4.8E-04			
379	7.6675E-07	5.9708E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.29E-11	1,000,000	3.29E-05	4.8E-04			
380	7.6675E-07	5.6546E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.11E-11	1,000,000	3.11E-05	4.5E-04			
381	7.6675E-07	6.5317E-07	2.50E-04	1.63E-10	14.00	1.57E-02	3.60E-11	1,000,000	3.60E-05	5.2E-04			
382	7.6675E-07	7.4313E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.09E-11	1,000,000	4.09E-05	5.9E-04			
383	7.6675E-07	8.521E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
384	7.6675E-07	9.8471E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.42E-11	1,000,000	5.42E-05	7.8E-04			
385	7.6675E-07	1.1464E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.31E-11	1,000,000	6.31E-05	9.1E-04			
386	7.6675E-07	1.3419E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.39E-11	1,000,000	7.39E-05	1.1E-03			
387	7.6675E-07	1.5734E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.66E-11	1,000,000	8.66E-05	1.3E-03			
388	7.6675E-07	1.8377E-06	2.50E-04	4.60E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
389	7.6675E-07	2.1166E-06	2.50E-04	5.30E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
390	7.6675E-07	2.3732E-06	2.50E-04	5.94E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
391	7.6675E-07	2.5544E-06	2.50E-04	6.39E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
392	7.6675E-07	2.6139E-06	2.50E-04	6.54E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
393	7.6675E-07	2.5333E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
394	7.6675E-07	2.341E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
395	7.6675E-07	2.0767E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
396	7.6675E-07	1.8001E-06	2.50E-04	4.51E-10	14.00	1.57E-02	9.91E-11	1,000,000	9.91E-05	1.4E-03			
397	7.6675E-07	1.543E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.50E-11	1,000,000	8.50E-05	1.2E-03			
398	7.6675E-07	1.318E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.26E-11	1,000,000	7.26E-05	1.0E-03			
399	7.6675E-07	6.9071E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.80E-11	1,000,000	3.80E-05	5.5E-04			
400	7.6675E-07	7.938E-07	2.50E-04	1.99E-10	14.00	1.57E-02	4.37E-11	1,000,000	4.37E-05	6.3E-04			
401	7.6675E-07	9.2194E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.08E-11	1,000,000	5.08E-05	7.3E-04			
402	7.6675E-07	1.0837E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
403	7.6675E-07	1.2892E-06	2.50E-04	3.23E-10	14.00	1.57E-02	7.10E-11	1,000,000	7.10E-05	1.0E-03			
404	7.6675E-07	1.5508E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.54E-11	1,000,000	8.54E-05	1.2E-03			
405	7.6675E-07	1.8832E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
406	7.6675E-07	2.295E-06	2.50E-04	5.74E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
407	7.6675E-07	2.7706E-06	2.50E-04	6.93E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
408	7.6675E-07	3.2506E-06	2.50E-04	8.14E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
409	7.6675E-07	3.6107E-06	2.50E-04	9.04E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
410	7.6675E-07	3.724E-06	2.50E-04	9.32E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
411	7.6675E-07	3.5613E-06	2.50E-04	8.91E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
412	7.6675E-07	3.1841E-06	2.50E-04	7.97E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
413	7.6675E-07	2.7051E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
414	7.6675E-07	2.2443E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
415	7.6675E-07	1.8485E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
416	7.6675E-07	1.5244E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.39E-11	1,000,000	8.39E-05	1.2E-03			
417	7.6675E-07	6.9611E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.83E-11	1,000,000	3.83E-05	5.5E-04			
418	7.6675E-07	8.2632E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.55E-11	1,000,000	4.55E-05	6.6E-04			
419	7.6675E-07	9.8662E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.9E-04			
420	7.6675E-07	1.1786E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
421	7.6675E-07	1.4335E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.89E-11	1,000,000	7.89E-05	1.1E-03			
422	7.6675E-07	1.7786E-06	2.50E-04	4.45E-10	14.00	1.57E-02	9.79E-11	1,000,000	9.79E-05	1.4E-03			
423	7.6675E-07	2.2537E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
424	7.6675E-07	2.9073E-06	2.50E-04	7.28E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
425	7.6675E-07	3.7635E-06	2.50E-04	9.42E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
426	7.6675E-07	4.7472E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
427	7.6675E-07	5.5512E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.06E-10	1,000,000	3.06E-04	4.4E-03			
428	7.6675E-07	5.8303E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.6E-03			
429	7.6675E-07	5.4347E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
430	7.6675E-07	4.5733E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
431	7.6675E-07	3.6294E-06	2.50E-04	9.08E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
432	7.6675E-07	2.8303E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
433	7.6675E-07	2.2298E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
434	7.6675E-07	1.7756E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.78E-11	1,000,000	9.78E-05	1.4E-03			
435	7.6675E-07	6.4918E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.57E-11	1,000,000	3.57E-05	5.2E-04			
436	7.6675E-07	7.8185E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.30E-11	1,000,000	4.30E-05	6.2E-04			
437	7.6675E-07	9.9217E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.46E-11	1,000,000	5.46E-05	7.9E-04			
438	7.6675E-07	1.2604E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.94E-11	1,000,000	6.94E-05	1.0E-03			
439	7.6675E-07	1.5631E-06	2.50E-04	3.91E-10	14.00	1.57E-02	8.61E-11	1,000,000	8.61E-05	1.2E-03			
440	7.6675E-07	1.9978E-06	2.50E-04	5.00E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
441	7.6675E-07	2.6504E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
442	7.6675E-07	3.6755E-06	2.50E-04	9.20E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
443	7.6675E-07	5.3126E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
444	7.6675E-07	7.6535E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.1E-03			
445	7.6675E-07	9.8919E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.45E-10	1,000,000	5.45E-04	7.9E-03			
446	7.6675E-07	1.0675E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.88E-10	1,000,000	5.88E-04	8.5E-03			
447	7.6675E-07	9.4793E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.6E-03			
448	7.6675E-07	7.1195E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.92E-10	1,000,000	3.92E-04	5.7E-03			
449	7.6675E-07	5.0425E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
450	7.6675E-07	3.6144E-06	2.50E-04	9.05E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
451	7.6675E-07	2.6642E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
452	7.6675E-07	2.0488E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
453	7.6675E-07	6.1654E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.39E-11	1,000,000	3.39E-05	4.9E-04			
454	7.6675E-07	7.4281E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.09E-11	1,000,000	4.09E-05	5.9E-04			
455	7.6675E-07	9.3713E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.16E-11	1,000,000	5.16E-05	7.5E-04			
456	7.6675E-07	1.2262E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
457	7.6675E-07	1.6157E-06	2.50E-04	4.04E-10	14.00	1.57E-02	8.90E-11	1,000,000	8.90E-05	1.3E-03			
458	7.6675E-07	2.153E-06	2.50E-04	5.39E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
459	7.6675E-07	2.9902E-06	2.50E-04	7.48E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
460	7.6675E-07	4.4734E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
461	7.6675E-07	7.5828E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.0E-03			
462	7.6675E-07	1.4825E-05	2.50E-04	3.71E-09	14.00	1.57E-02	8.16E-10	1,000,000	8.16E-04	1.2E-02			
463	7.6675E-07	2.4017E-05	2.50E-04	6.01E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
464	7.6675E-07	2.6892E-05	2.50E-04	6.73E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
465	7.6675E-07	2.1716E-05	2.50E-04	5.43E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
466	7.6675E-07	1.2474E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
467	7.6675E-07	7.1976E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
468	7.6675E-07	4.5878E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
469	7.6675E-07	3.1802E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
470	7.6675E-07	2.3449E-06	2.50E-04	5.87E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
471	7.6675E-07	5.5869E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.08E-11	1,000,000	3.08E-05	4.4E-04			
472	7.6675E-07	6.9879E-07	2.50E-04	1.75E-10	14.00	1.57E-02	3.85E-11	1,000,000	3.85E-05	5.6E-04			
473	7.6675E-07	8.7774E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.83E-11	1,000,000	4.83E-05	7.0E-04			
474	7.6675E-07	1.1032E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
475	7.6675E-07	1.4184E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.81E-11	1,000,000	7.81E-05	1.1E-03			
476	7.6675E-07	2.3738E-05	2.50E-04	5.94E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
477	7.6675E-07	9.9002E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.45E-10	1,000,000	5.45E-04	7.9E-03			
478	7.6675E-07	5.6301E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
479	7.6675E-07	3.6807E-06	2.50E-04	9.21E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
480	7.6675E-07	2.6194E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
481	7.6675E-07	5.0894E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.80E-11	1,000,000	2.80E-05	4.1E-04			
482	7.6675E-07	6.3556E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.50E-11	1,000,000	3.50E-05	5.1E-04			
483	7.6675E-07	7.723E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.25E-11	1,000,000	4.25E-05	6.2E-04			
484	7.6675E-07	9.7564E-07	2.50E-04	2.44E-10	14.00	1.57E-02	5.37E-11	1,000,000	5.37E-05	7.8E-04			
485	7.6675E-07	1.3319E-06	2.50E-04	3.33E-10	14.00	1.57E-02	7.33E-11	1,000,000	7.33E-05	1.1E-03			
486	7.6675E-07	2.7911E-05	2.50E-04	6.99E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
487	7.6675E-07	1.0872E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.99E-10	1,000,000	5.99E-04	8.7E-03			
488	7.6675E-07	6.0293E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
489	7.6675E-07	3.9091E-06	2.50E-04	9.78E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
490	7.6675E-07	2.7663E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
491	7.6675E-07	4.5492E-07	2.50E-04	1.14E-10	14.00	1.57E-02	2.50E-11	1,000,000	2.50E-05	3.6E-04			
492	7.6675E-07	5.529E-07	2.50E-04	1.38E-10	14.00	1.57E-02	3.04E-11	1,000,000	3.04E-05	4.4E-04			
493	7.6675E-07	6.6561E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.66E-11	1,000,000	3.66E-05	5.3E-04			
494	7.6675E-07	8.4094E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.63E-11	1,000,000	4.63E-05	6.7E-04			
495	7.6675E-07	1.1175E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			
496	7.6675E-07	3.374E-06	2.50E-04	8.44E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
497	7.6675E-07	4.9102E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
498	7.6675E-07	1.8515E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
499	7.6675E-07	1.3505E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.44E-10	1,000,000	7.44E-04	1.1E-02			
500	7.6675E-07	8.1961E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.51E-10	1,000,000	4.51E-04	6.5E-03			
501	7.6675E-07	5.2806E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
502	7.6675E-07	3.6551E-06	2.50E-04	9.15E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
503	7.6675E-07	2.6774E-06	2.50E-04	6.70E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
504	7.6675E-07	4.0704E-07	2.50E-04	1.02E-10	14.00	1.57E-02	2.24E-11	1,000,000	2.24E-05	3.2E-04			
505	7.6675E-07	4.7412E-07	2.50E-04	1.19E-10	14.00	1.57E-02	2.61E-11	1,000,000	2.61E-05	3.8E-04			
506	7.6675E-07	5.8964E-07	2.50E-04	1.48E-10	14.00	1.57E-02	3.25E-11	1,000,000	3.25E-05	4.7E-04			
507	7.6675E-07	7.1086E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.91E-11	1,000,000	3.91E-05	5.7E-04			
508	7.6675E-07	9.4036E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.18E-11	1,000,000	5.18E-05	7.5E-04			
509	7.6675E-07	1.2263E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
510	7.6675E-07	1.6553E-06	2.50E-04	4.14E-10	14.00	1.57E-02	9.11E-11	1,000,000	9.11E-05	1.3E-03			
511	7.6675E-07	2.3373E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
512	7.6675E-07	3.382E-06	2.50E-04	8.46E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
513	7.6675E-07	4.6548E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
514	7.6675E-07	6.3091E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
515	7.6675E-07	7.5774E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.17E-10	1,000,000	4.17E-04	6.0E-03			
516	7.6675E-07	8.0055E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
517	7.6675E-07	6.8913E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.79E-10	1,000,000	3.79E-04	5.5E-03			
518	7.6675E-07	5.3357E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.2E-03			
519	7.6675E-07	4.0302E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
520	7.6675E-07	3.0692E-06	2.50E-04	7.68E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.4E-03			
521	7.6675E-07	2.3845E-06	2.50E-04	5.97E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
522	7.6675E-07	3.6005E-07	2.50E-04	9.01E-11	14.00	1.57E-02	1.98E-11	1,000,000	1.98E-05	2.9E-04			
523	7.6675E-07	4.2654E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.35E-11	1,000,000	2.35E-05	3.4E-04			
524	7.6675E-07	5.1024E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.81E-11	1,000,000	2.81E-05	4.1E-04			
525	7.6675E-07	6.1432E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.38E-11	1,000,000	3.38E-05	4.9E-04			
526	7.6675E-07	7.3287E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.04E-11	1,000,000	4.04E-05	5.8E-04			
527	7.6675E-07	9.8205E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
528	7.6675E-07	1.2712E-06	2.50E-04	3.18E-10	14.00	1.57E-02	7.00E-11	1,000,000	7.00E-05	1.0E-03			
529	7.6675E-07	1.6828E-06	2.50E-04	4.21E-10	14.00	1.57E-02	9.27E-11	1,000,000	9.27E-05	1.3E-03			
530	7.6675E-07	2.2845E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
531	7.6675E-07	2.9665E-06	2.50E-04	7.42E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
532	7.6675E-07	3.6654E-06	2.50E-04	9.17E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
533	7.6675E-07	4.3752E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
534	7.6675E-07	4.1991E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
535	7.6675E-07	4.0043E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
536	7.6675E-07	3.5418E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
537	7.6675E-07	2.9973E-06	2.50E-04	7.50E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
538	7.6675E-07	2.454E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
539	7.6675E-07	2.0176E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
540	7.6675E-07	3.1948E-07	2.50E-04	8.00E-11	14.00	1.57E-02	1.76E-11	1,000,000	1.76E-05	2.5E-04			
541	7.6675E-07	3.7321E-07	2.50E-04	9.34E-11	14.00	1.57E-02	2.05E-11	1,000,000	2.05E-05	3.0E-04			
542	7.6675E-07	4.3864E-07	2.50E-04	1.10E-10	14.00	1.57E-02	2.42E-11	1,000,000	2.42E-05	3.5E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
543	7.6675E-07	5.2105E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.87E-11	1,000,000	2.87E-05	4.2E-04			
544	7.6675E-07	6.4161E-07	2.50E-04	1.61E-10	14.00	1.57E-02	3.53E-11	1,000,000	3.53E-05	5.1E-04			
545	7.6675E-07	7.7432E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.26E-11	1,000,000	4.26E-05	6.2E-04			
546	7.6675E-07	9.7513E-07	2.50E-04	2.44E-10	14.00	1.57E-02	5.37E-11	1,000,000	5.37E-05	7.8E-04			
547	7.6675E-07	1.2172E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.70E-11	1,000,000	6.70E-05	9.7E-04			
548	7.6675E-07	1.5776E-06	2.50E-04	3.95E-10	14.00	1.57E-02	8.69E-11	1,000,000	8.69E-05	1.3E-03			
549	7.6675E-07	1.969E-06	2.50E-04	4.93E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
550	7.6675E-07	2.4202E-06	2.50E-04	6.06E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
551	7.6675E-07	3.1785E-06	2.50E-04	7.95E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
552	7.6675E-07	2.6487E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
553	7.6675E-07	2.4937E-06	2.50E-04	6.24E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
554	7.6675E-07	2.295E-06	2.50E-04	5.74E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
555	7.6675E-07	2.2872E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
556	7.6675E-07	1.9608E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
557	7.6675E-07	1.6768E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.23E-11	1,000,000	9.23E-05	1.3E-03			
558	7.6675E-07	2.8449E-07	2.50E-04	7.12E-11	14.00	1.57E-02	1.57E-11	1,000,000	1.57E-05	2.3E-04			
559	7.6675E-07	3.2868E-07	2.50E-04	8.23E-11	14.00	1.57E-02	1.81E-11	1,000,000	1.81E-05	2.6E-04			
560	7.6675E-07	3.7338E-07	2.50E-04	9.34E-11	14.00	1.57E-02	2.06E-11	1,000,000	2.06E-05	3.0E-04			
561	7.6675E-07	4.3894E-07	2.50E-04	1.10E-10	14.00	1.57E-02	2.42E-11	1,000,000	2.42E-05	3.5E-04			
562	7.6675E-07	5.0994E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.81E-11	1,000,000	2.81E-05	4.1E-04			
563	7.6675E-07	6.0838E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.35E-11	1,000,000	3.35E-05	4.8E-04			
564	7.6675E-07	7.5652E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
565	7.6675E-07	9.0767E-07	2.50E-04	2.27E-10	14.00	1.57E-02	5.00E-11	1,000,000	5.00E-05	7.2E-04			
566	7.6675E-07	1.1369E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.26E-11	1,000,000	6.26E-05	9.1E-04			
567	7.6675E-07	1.369E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.54E-11	1,000,000	7.54E-05	1.1E-03			
568	7.6675E-07	1.6535E-06	2.50E-04	4.14E-10	14.00	1.57E-02	9.10E-11	1,000,000	9.10E-05	1.3E-03			
569	7.6675E-07	1.651E-06	2.50E-04	4.13E-10	14.00	1.57E-02	9.09E-11	1,000,000	9.09E-05	1.3E-03			
570	7.6675E-07	1.6312E-06	2.50E-04	4.08E-10	14.00	1.57E-02	8.98E-11	1,000,000	8.98E-05	1.3E-03			
571	7.6675E-07	1.6647E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.17E-11	1,000,000	9.17E-05	1.3E-03			
572	7.6675E-07	1.6834E-06	2.50E-04	4.21E-10	14.00	1.57E-02	9.27E-11	1,000,000	9.27E-05	1.3E-03			
573	7.6675E-07	1.5731E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.66E-11	1,000,000	8.66E-05	1.3E-03			
574	7.6675E-07	1.4675E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.08E-11	1,000,000	8.08E-05	1.2E-03			
575	7.6675E-07	1.378E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.59E-11	1,000,000	7.59E-05	1.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	9.51E-08		1.331E-05	184 Res
2	5	1.05E-07			
3	5	1.16E-07			
4	5	1.29E-07			
5	5	1.43E-07			
6	5	1.60E-07			
7	5	1.77E-07			
8	5	1.97E-07			
9	5	2.16E-07			
10	5	2.36E-07			
11	5	2.52E-07			
12	5	2.65E-07			
13	5	2.71E-07			
14	5	2.71E-07			
15	5	2.63E-07			
16	5	2.50E-07			
17	5	2.33E-07			
18	5	2.14E-07			
19	5	1.94E-07			
20	5	1.75E-07			
21	5	1.57E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
22	5	1.41E-07			
23	5	1.01E-07			
24	5	1.12E-07			
25	5	1.25E-07			
26	5	1.41E-07			
27	5	1.58E-07			
28	5	1.79E-07			
29	5	2.03E-07			
30	5	2.29E-07			
31	5	2.57E-07			
32	5	2.85E-07			
33	5	3.11E-07			
34	5	3.31E-07			
35	5	3.42E-07			
36	5	3.41E-07			
37	5	3.28E-07			
38	5	3.07E-07			
39	5	2.82E-07			
40	5	2.53E-07			
41	5	2.25E-07			
42	5	1.99E-07			
43	5	1.76E-07			
44	5	1.57E-07			
45	5	1.07E-07			
46	5	1.19E-07			
47	5	1.35E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
48	5	1.53E-07			
49	5	1.75E-07			
50	5	2.01E-07			
51	5	2.32E-07			
52	5	2.68E-07			
53	5	3.09E-07			
54	5	3.53E-07			
55	5	3.95E-07			
56	5	4.28E-07			
57	5	4.47E-07			
58	5	4.46E-07			
59	5	4.24E-07			
60	5	3.88E-07			
61	5	3.47E-07			
62	5	3.04E-07			
63	5	2.64E-07			
64	5	2.28E-07			
65	5	1.98E-07			
66	5	1.73E-07			
67	5	1.12E-07			
68	5	1.26E-07			
69	5	1.44E-07			
70	5	1.65E-07			
71	5	1.91E-07			
72	5	2.24E-07			
73	5	2.65E-07			
74	5	3.15E-07			
75	5	3.76E-07			
76	5	4.46E-07			
77	5	5.19E-07			
78	5	5.81E-07			
79	5	6.16E-07			
80	5	6.12E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
81	5	5.72E-07			
82	5	5.09E-07			
83	5	4.37E-07			
84	5	3.69E-07			
85	5	3.09E-07			
86	5	2.62E-07			
87	5	2.23E-07			
88	5	1.91E-07			
89	5	1.13E-07			
90	5	1.32E-07			
91	5	1.52E-07			
92	5	1.76E-07			
93	5	2.08E-07			
94	5	2.48E-07			
95	5	3.01E-07			
96	5	3.70E-07			
97	5	4.61E-07			
98	5	5.77E-07			
99	5	7.11E-07			
100	5	8.37E-07			
101	5	9.12E-07			
102	5	9.03E-07			
103	5	8.18E-07			
104	5	6.90E-07			
105	5	5.62E-07			
106	5	4.52E-07			
107	5	3.65E-07			
108	5	2.99E-07			
109	5	2.49E-07			
110	5	2.10E-07			
111	5	1.07E-07			
112	5	1.29E-07			
113	5	1.45E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
114	5	1.73E-07			
115	5	2.19E-07			
116	5	2.70E-07			
117	5	3.36E-07			
118	5	4.29E-07			
119	5	5.65E-07			
120	5	7.63E-07			
121	5	1.04E-06			
122	5	1.33E-06			
123	5	1.52E-06			
124	5	1.50E-06			
125	5	1.28E-06			
126	5	9.84E-07			
127	5	7.38E-07			
128	5	5.57E-07			
129	5	4.30E-07			
130	5	3.42E-07			
131	5	2.78E-07			
132	5	2.31E-07			
133	5	1.01E-07			
134	5	1.18E-07			
135	5	1.38E-07			
136	5	1.71E-07			
137	5	2.28E-07			
138	5	2.87E-07			
139	5	3.66E-07			
140	5	4.83E-07			
141	5	6.75E-07			
142	5	1.01E-06			
143	5	1.62E-06			
144	5	2.52E-06			
145	5	3.13E-06			
146	5	3.04E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
147	5	2.29E-06			
148	5	1.49E-06			
149	5	9.84E-07			
150	5	6.85E-07			
151	5	5.03E-07			
152	5	3.87E-07			
153	5	3.07E-07			
154	5	2.51E-07			
155	5	8.87E-08			
156	5	1.05E-07			
157	5	1.32E-07			
158	5	1.58E-07			
159	5	2.01E-07			
160	5	2.59E-07			
161	5	3.48E-07			
162	5	5.12E-07			
163	5	7.57E-07			
164	5	1.25E-06			
165	5	2.71E-06			
166	5	8.14E-06			
167	5	1.11E-05			
168	5	1.10E-05			
169	5	5.45E-06			
170	5	2.37E-06			
171	5	1.30E-06			
172	5	8.31E-07			
173	5	5.81E-07			
174	5	4.33E-07			
175	5	3.37E-07			
176	5	2.71E-07			
177	5	8.26E-08			
178	5	9.95E-08			
179	5	1.24E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
180	5	1.55E-07			
181	5	1.95E-07			
182	5	2.46E-07			
183	5	3.25E-07			
184	5	1.33E-05			
185	5	3.27E-06			
186	5	1.57E-06			
187	5	9.44E-07			
188	5	6.40E-07			
189	5	4.68E-07			
190	5	3.60E-07			
191	5	2.87E-07			
192	5	7.52E-08			
193	5	8.86E-08			
194	5	1.09E-07			
195	5	1.34E-07			
196	5	1.72E-07			
197	5	2.15E-07			
198	5	2.89E-07			
199	5	9.45E-07			
200	5	6.56E-06			
201	5	2.74E-06			
202	5	1.48E-06			
203	5	9.32E-07			
204	5	6.45E-07			
205	5	4.76E-07			
206	5	3.67E-07			
207	5	2.93E-07			
208	5	6.85E-08			
209	5	8.01E-08			
210	5	9.25E-08			
211	5	1.14E-07			
212	5	1.39E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
213	5	1.78E-07			
214	5	2.40E-07			
215	5	3.23E-07			
216	5	4.84E-07			
217	5	6.90E-07			
218	5	2.29E-06			
219	5	2.14E-06			
220	5	1.58E-06			
221	5	1.11E-06			
222	5	7.90E-07			
223	5	5.85E-07			
224	5	4.48E-07			
225	5	3.54E-07			
226	5	2.87E-07			
227	5	6.19E-08			
228	5	7.12E-08			
229	5	8.27E-08			
230	5	9.84E-08			
231	5	1.19E-07			
232	5	1.45E-07			
233	5	1.92E-07			
234	5	2.51E-07			
235	5	3.42E-07			
236	5	4.74E-07			
237	5	6.43E-07			
238	5	8.43E-07			
239	5	1.05E-06			
240	5	1.13E-06			
241	5	1.13E-06			
242	5	9.19E-07			
243	5	7.76E-07			
244	5	6.17E-07			
245	5	4.92E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
246	5	3.96E-07			
247	5	3.24E-07			
248	5	2.69E-07			
249	5	5.62E-08			
250	5	6.37E-08			
251	5	7.29E-08			
252	5	8.61E-08			
253	5	1.02E-07			
254	5	1.27E-07			
255	5	1.55E-07			
256	5	2.03E-07			
257	5	2.54E-07			
258	5	3.21E-07			
259	5	4.25E-07			
260	5	5.41E-07			
261	5	6.39E-07			
262	5	6.68E-07			
263	5	6.43E-07			
264	5	5.92E-07			
265	5	5.60E-07			
266	5	4.78E-07			
267	5	4.01E-07			
268	5	3.38E-07			
269	5	2.86E-07			
270	5	2.44E-07			
271	5	5.01E-08			
272	5	5.62E-08			
273	5	6.43E-08			
274	5	7.42E-08			
275	5	8.68E-08			
276	5	1.04E-07			
277	5	1.26E-07			
278	5	1.52E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
279	5	1.89E-07			
280	5	2.34E-07			
281	5	2.94E-07			
282	5	3.66E-07			
283	5	4.17E-07			
284	5	4.00E-07			
285	5	4.14E-07			
286	5	3.98E-07			
287	5	3.73E-07			
288	5	3.50E-07			
289	5	3.19E-07			
290	5	2.86E-07			
291	5	2.49E-07			
292	5	2.17E-07			
293	5	4.50E-08			
294	5	5.04E-08			
295	5	5.67E-08			
296	5	6.40E-08			
297	5	7.46E-08			
298	5	8.69E-08			
299	5	1.03E-07			
300	5	1.25E-07			
301	5	1.45E-07			
302	5	1.77E-07			
303	5	2.13E-07			
304	5	2.57E-07			
305	5	2.82E-07			
306	5	2.78E-07			
307	5	2.78E-07			
308	5	2.68E-07			
309	5	2.85E-07			
310	5	2.65E-07			
311	5	2.49E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
312	5	2.38E-07			
313	5	2.17E-07			
314	5	1.98E-07			
315	5	3.97E-08			
316	5	4.43E-08			
317	5	4.94E-08			
318	5	5.53E-08			
319	5	6.18E-08			
320	5	7.35E-08			
321	5	8.41E-08			
322	5	9.82E-08			
323	5	1.17E-07			
324	5	1.37E-07			
325	5	1.60E-07			
326	5	1.86E-07			
327	5	2.38E-07			
328	5	1.99E-07			
329	5	1.99E-07			
330	5	2.00E-07			
331	5	2.00E-07			
332	5	1.99E-07			
333	5	1.89E-07			
334	5	1.89E-07			
335	5	1.79E-07			
336	5	1.69E-07			
337	5	3.58E-08			
338	5	3.94E-08			
339	5	4.30E-08			
340	5	4.84E-08			
341	5	5.36E-08			
342	5	6.24E-08			
343	5	7.00E-08			
344	5	8.08E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
345	5	9.35E-08			
346	5	1.10E-07			
347	5	1.24E-07			
348	5	1.39E-07			
349	5	1.37E-07			
350	5	1.43E-07			
351	5	1.47E-07			
352	5	1.43E-07			
353	5	1.50E-07			
354	5	1.47E-07			
355	5	1.48E-07			
356	5	1.48E-07			
357	5	1.43E-07			
358	5	1.37E-07			
359	5	3.17E-08			
360	5	3.49E-08			
361	5	3.81E-08			
362	5	4.19E-08			
363	5	4.59E-08			
364	5	5.20E-08			
365	5	5.90E-08			
366	5	6.74E-08			
367	5	7.83E-08			
368	5	8.81E-08			
369	5	9.62E-08			
370	5	1.02E-07			
371	5	1.08E-07			
372	5	1.12E-07			
373	5	1.12E-07			
374	5	1.10E-07			
375	5	1.14E-07			
376	5	1.13E-07			
377	5	1.14E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
378	5	1.20E-07			
379	5	1.19E-07			
380	5	1.13E-07			
381	5	1.31E-07			
382	5	1.49E-07			
383	5	1.70E-07			
384	5	1.97E-07			
385	5	2.29E-07			
386	5	2.68E-07			
387	5	3.15E-07			
388	5	3.68E-07			
389	5	4.23E-07			
390	5	4.75E-07			
391	5	5.11E-07			
392	5	5.23E-07			
393	5	5.07E-07			
394	5	4.68E-07			
395	5	4.15E-07			
396	5	3.60E-07			
397	5	3.09E-07			
398	5	2.64E-07			
399	5	1.38E-07			
400	5	1.59E-07			
401	5	1.84E-07			
402	5	2.17E-07			
403	5	2.58E-07			
404	5	3.10E-07			
405	5	3.77E-07			
406	5	4.59E-07			
407	5	5.54E-07			
408	5	6.50E-07			
409	5	7.22E-07			
410	5	7.45E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
411	5	7.12E-07			
412	5	6.37E-07			
413	5	5.41E-07			
414	5	4.49E-07			
415	5	3.70E-07			
416	5	3.05E-07			
417	5	1.39E-07			
418	5	1.65E-07			
419	5	1.97E-07			
420	5	2.36E-07			
421	5	2.87E-07			
422	5	3.56E-07			
423	5	4.51E-07			
424	5	5.81E-07			
425	5	7.53E-07			
426	5	9.49E-07			
427	5	1.11E-06			
428	5	1.17E-06			
429	5	1.09E-06			
430	5	9.15E-07			
431	5	7.26E-07			
432	5	5.66E-07			
433	5	4.46E-07			
434	5	3.55E-07			
435	5	1.30E-07			
436	5	1.56E-07			
437	5	1.98E-07			
438	5	2.52E-07			
439	5	3.13E-07			
440	5	4.00E-07			
441	5	5.30E-07			
442	5	7.35E-07			
443	5	1.06E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
444	5	1.53E-06			
445	5	1.98E-06			
446	5	2.14E-06			
447	5	1.90E-06			
448	5	1.42E-06			
449	5	1.01E-06			
450	5	7.23E-07			
451	5	5.33E-07			
452	5	4.10E-07			
453	5	1.23E-07			
454	5	1.49E-07			
455	5	1.87E-07			
456	5	2.45E-07			
457	5	3.23E-07			
458	5	4.31E-07			
459	5	5.98E-07			
460	5	8.95E-07			
461	5	1.52E-06			
462	5	2.97E-06			
463	5	4.80E-06			
464	5	5.38E-06			
465	5	4.34E-06			
466	5	2.49E-06			
467	5	1.44E-06			
468	5	9.18E-07			
469	5	6.36E-07			
470	5	4.69E-07			
471	5	1.12E-07			
472	5	1.40E-07			
473	5	1.76E-07			
474	5	2.21E-07			
475	5	2.84E-07			
476	5	4.75E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
477	5	1.98E-06			
478	5	1.13E-06			
479	5	7.36E-07			
480	5	5.24E-07			
481	5	1.02E-07			
482	5	1.27E-07			
483	5	1.54E-07			
484	5	1.95E-07			
485	5	2.66E-07			
486	5	5.58E-06			
487	5	2.17E-06			
488	5	1.21E-06			
489	5	7.82E-07			
490	5	5.53E-07			
491	5	9.10E-08			
492	5	1.11E-07			
493	5	1.33E-07			
494	5	1.68E-07			
495	5	2.23E-07			
496	5	6.75E-07			
497	5	9.82E-07			
498	5	3.70E-06			
499	5	2.70E-06			
500	5	1.64E-06			
501	5	1.06E-06			
502	5	7.31E-07			
503	5	5.35E-07			
504	5	8.14E-08			
505	5	9.48E-08			
506	5	1.18E-07			
507	5	1.42E-07			
508	5	1.88E-07			
509	5	2.45E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
510	5	3.31E-07			
511	5	4.67E-07			
512	5	6.76E-07			
513	5	9.31E-07			
514	5	1.26E-06			
515	5	1.52E-06			
516	5	1.60E-06			
517	5	1.38E-06			
518	5	1.07E-06			
519	5	8.06E-07			
520	5	6.14E-07			
521	5	4.77E-07			
522	5	7.20E-08			
523	5	8.53E-08			
524	5	1.02E-07			
525	5	1.23E-07			
526	5	1.47E-07			
527	5	1.96E-07			
528	5	2.54E-07			
529	5	3.37E-07			
530	5	4.57E-07			
531	5	5.93E-07			
532	5	7.33E-07			
533	5	8.75E-07			
534	5	8.40E-07			
535	5	8.01E-07			
536	5	7.08E-07			
537	5	5.99E-07			
538	5	4.91E-07			
539	5	4.04E-07			
540	5	6.39E-08			
541	5	7.46E-08			
542	5	8.77E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE6

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
543	5	1.04E-07			
544	5	1.28E-07			
545	5	1.55E-07			
546	5	1.95E-07			
547	5	2.43E-07			
548	5	3.16E-07			
549	5	3.94E-07			
550	5	4.84E-07			
551	5	6.36E-07			
552	5	5.30E-07			
553	5	4.99E-07			
554	5	4.59E-07			
555	5	4.57E-07			
556	5	3.92E-07			
557	5	3.35E-07			
558	5	5.69E-08			
559	5	6.57E-08			
560	5	7.47E-08			
561	5	8.78E-08			
562	5	1.02E-07			
563	5	1.22E-07			
564	5	1.51E-07			
565	5	1.82E-07			
566	5	2.27E-07			
567	5	2.74E-07			
568	5	3.31E-07			
569	5	3.30E-07			
570	5	3.26E-07			
571	5	3.33E-07			
572	5	3.37E-07			
573	5	3.15E-07			
574	5	2.93E-07			
575	5	2.76E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.70	**1.1547E-06**	8.0767E-07	3.46E-04	2.80E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
2	0.77	1.1547E-06	8.8987E-07	3.46E-04	3.08E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
3	0.85	1.1547E-06	9.8213E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
4	0.94	1.1547E-06	1.0844E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
5	1.04	1.1547E-06	1.1968E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
6	1.14	1.1547E-06	1.3176E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
7	1.25	1.1547E-06	1.442E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
8	1.35	1.1547E-06	1.5644E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
9	1.45	1.1547E-06	1.6776E-06	3.46E-04	5.81E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
10	1.53	1.1547E-06	1.7687E-06	3.46E-04	6.12E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
11	1.58	1.1547E-06	1.8269E-06	3.46E-04	6.32E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
12	1.60	1.1547E-06	1.8446E-06	3.46E-04	6.39E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
13	1.57	1.1547E-06	1.8182E-06	3.46E-04	6.29E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
14	1.52	1.1547E-06	1.7511E-06	3.46E-04	6.06E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
15	1.43	1.1547E-06	1.6525E-06	3.46E-04	5.72E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
16	1.33	1.1547E-06	1.5321E-06	3.46E-04	5.30E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
17	1.22	1.1547E-06	1.4059E-06	3.46E-04	4.87E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
18	1.11	1.1547E-06	1.279E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
19	1.00	1.1547E-06	1.1566E-06	3.46E-04	4.00E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
20	0.91	1.1547E-06	1.0461E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
21	0.82	1.1547E-06	9.4563E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
22	0.74	1.1547E-06	8.5475E-07	3.46E-04	2.96E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
23	0.75	1.1547E-06	8.6998E-07	3.46E-04	3.01E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
24	0.84	1.1547E-06	9.6805E-07	3.46E-04	3.35E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
25	0.94	1.1547E-06	1.0805E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
26	1.05	1.1547E-06	1.2089E-06	3.46E-04	4.18E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.17	1.1547E-06	1.3537E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
28	1.31	1.1547E-06	1.5153E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
29	1.46	1.1547E-06	1.6873E-06	3.46E-04	5.84E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
30	1.62	1.1547E-06	1.8654E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
31	1.76	1.1547E-06	2.0333E-06	3.46E-04	7.04E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
32	1.88	1.1547E-06	2.1741E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
33	1.96	1.1547E-06	2.266E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
34	1.99	1.1547E-06	2.2979E-06	3.46E-04	7.95E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
35	1.96	1.1547E-06	2.2598E-06	3.46E-04	7.82E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
36	1.87	1.1547E-06	2.1582E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
37	1.73	1.1547E-06	2.0012E-06	3.46E-04	6.93E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
38	1.58	1.1547E-06	1.824E-06	3.46E-04	6.31E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
39	1.42	1.1547E-06	1.6447E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
40	1.27	1.1547E-06	1.4695E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
41	1.13	1.1547E-06	1.3068E-06	3.46E-04	4.52E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
42	1.01	1.1547E-06	1.1618E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
43	0.90	1.1547E-06	1.0347E-06	3.46E-04	3.58E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
44	0.81	1.1547E-06	9.2961E-07	3.46E-04	3.22E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
45	0.81	1.1547E-06	9.3395E-07	3.46E-04	3.23E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
46	0.91	1.1547E-06	1.05E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
47	1.03	1.1547E-06	1.1866E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
48	1.17	1.1547E-06	1.3471E-06	3.46E-04	4.66E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
49	1.33	1.1547E-06	1.5345E-06	3.46E-04	5.31E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
50	1.52	1.1547E-06	1.7505E-06	3.46E-04	6.06E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
51	1.73	1.1547E-06	1.9937E-06	3.46E-04	6.90E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
52	1.95	1.1547E-06	2.2553E-06	3.46E-04	7.81E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.18	1.1547E-06	2.5181E-06	3.46E-04	8.72E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
54	2.38	1.1547E-06	2.7468E-06	3.46E-04	9.51E-10	0.25	1.57E-01	3.74E-11	1,000,000	3.74E-05
55	2.52	1.1547E-06	2.9057E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
56	2.56	1.1547E-06	2.9615E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
57	2.51	1.1547E-06	2.8976E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.94E-11	1,000,000	3.94E-05
58	2.37	1.1547E-06	2.7349E-06	3.46E-04	9.47E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
59	2.15	1.1547E-06	2.4822E-06	3.46E-04	8.59E-10	0.25	1.57E-01	3.38E-11	1,000,000	3.38E-05
60	1.91	1.1547E-06	2.2072E-06	3.46E-04	7.64E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
61	1.68	1.1547E-06	1.9423E-06	3.46E-04	6.72E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
62	1.47	1.1547E-06	1.6949E-06	3.46E-04	5.87E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
63	1.28	1.1547E-06	1.4782E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
64	1.12	1.1547E-06	1.2937E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
65	0.99	1.1547E-06	1.139E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
66	0.87	1.1547E-06	1.0089E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
67	0.86	1.1547E-06	9.9739E-07	3.46E-04	3.45E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
68	0.98	1.1547E-06	1.1333E-06	3.46E-04	3.92E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
69	1.12	1.1547E-06	1.2973E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
70	1.30	1.1547E-06	1.4961E-06	3.46E-04	5.18E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
71	1.50	1.1547E-06	1.7373E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
72	1.76	1.1547E-06	2.0285E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
73	2.06	1.1547E-06	2.3748E-06	3.46E-04	8.22E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
74	2.40	1.1547E-06	2.77E-06	3.46E-04	9.59E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
75	2.77	1.1547E-06	3.1939E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
76	3.11	1.1547E-06	3.5957E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
77	3.37	1.1547E-06	3.8957E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
78	3.48	1.1547E-06	4.0149E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
79	3.38	1.1547E-06	3.8973E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
80	3.11	1.1547E-06	3.5885E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.88E-11	1,000,000	4.88E-05
81	2.74	1.1547E-06	3.1662E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
82	2.36	1.1547E-06	2.7278E-06	3.46E-04	9.44E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05
83	2.00	1.1547E-06	2.3146E-06	3.46E-04	8.01E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
84	1.70	1.1547E-06	1.9647E-06	3.46E-04	6.80E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
85	1.44	1.1547E-06	1.6662E-06	3.46E-04	5.77E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.24	1.1547E-06	1.4375E-06	3.46E-04	4.98E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
87	1.08	1.1547E-06	1.2465E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
88	0.95	1.1547E-06	1.0919E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
89	0.91	1.1547E-06	1.0547E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
90	1.05	1.1547E-06	1.2143E-06	3.46E-04	4.20E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
91	1.22	1.1547E-06	1.4081E-06	3.46E-04	4.87E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
92	1.43	1.1547E-06	1.6506E-06	3.46E-04	5.71E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
93	1.69	1.1547E-06	1.957E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
94	2.03	1.1547E-06	2.3464E-06	3.46E-04	8.12E-10	0.25	1.57E-01	3.19E-11	1,000,000	3.19E-05
95	2.46	1.1547E-06	2.8395E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
96	2.99	1.1547E-06	3.4517E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
97	3.62	1.1547E-06	4.1749E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.68E-11	1,000,000	5.68E-05
98	4.27	1.1547E-06	4.9299E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.70E-11	1,000,000	6.70E-05
99	4.80	1.1547E-06	5.5398E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
100	5.02	1.1547E-06	5.7958E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.88E-11	1,000,000	7.88E-05
101	4.83	1.1547E-06	5.5746E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.58E-11	1,000,000	7.58E-05
102	4.30	1.1547E-06	4.962E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.75E-11	1,000,000	6.75E-05
103	3.62	1.1547E-06	4.1781E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.68E-11	1,000,000	5.68E-05
104	2.95	1.1547E-06	3.4118E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.64E-11	1,000,000	4.64E-05
105	2.41	1.1547E-06	2.7785E-06	3.46E-04	9.62E-10	0.25	1.57E-01	3.78E-11	1,000,000	3.78E-05
106	1.97	1.1547E-06	2.2774E-06	3.46E-04	7.88E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
107	1.64	1.1547E-06	1.8896E-06	3.46E-04	6.54E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
108	1.38	1.1547E-06	1.5921E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
109	1.18	1.1547E-06	1.3596E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
110	1.02	1.1547E-06	1.178E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
111	0.93	1.1547E-06	1.0779E-06	3.46E-04	3.73E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
112	1.10	1.1547E-06	1.2754E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
113	1.28	1.1547E-06	1.4837E-06	3.46E-04	5.14E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
114	1.54	1.1547E-06	1.7743E-06	3.46E-04	6.14E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
115	1.89	1.1547E-06	2.1818E-06	3.46E-04	7.55E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
116	2.33	1.1547E-06	2.6922E-06	3.46E-04	9.32E-10	0.25	1.57E-01	3.66E-11	1,000,000	3.66E-05
117	2.93	1.1547E-06	3.3872E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.61E-11	1,000,000	4.61E-05
118	3.76	1.1547E-06	4.3428E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.91E-11	1,000,000	5.91E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	4.87	1.1547E-06	5.6258E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.65E-11	1,000,000	7.65E-05
120	6.23	1.1547E-06	7.1963E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.79E-11	1,000,000	9.79E-05
121	7.51	1.1547E-06	8.6757E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
122	8.08	1.1547E-06	9.3351E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
123	7.65	1.1547E-06	8.8384E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
124	6.43	1.1547E-06	7.4281E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
125	4.98	1.1547E-06	5.7555E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.83E-11	1,000,000	7.83E-05
126	3.76	1.1547E-06	4.3465E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.91E-11	1,000,000	5.91E-05
127	2.89	1.1547E-06	3.3417E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
128	2.28	1.1547E-06	2.6352E-06	3.46E-04	9.12E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
129	1.84	1.1547E-06	2.1265E-06	3.46E-04	7.36E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
130	1.52	1.1547E-06	1.7585E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
131	1.28	1.1547E-06	1.4793E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
132	1.10	1.1547E-06	1.2667E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
133	0.92	1.1547E-06	1.0634E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
134	1.09	1.1547E-06	1.2571E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
135	1.30	1.1547E-06	1.498E-06	3.46E-04	5.19E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
136	1.62	1.1547E-06	1.8758E-06	3.46E-04	6.49E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
137	2.07	1.1547E-06	2.3867E-06	3.46E-04	8.26E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
138	2.63	1.1547E-06	3.0358E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
139	3.45	1.1547E-06	3.9807E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
140	4.70	1.1547E-06	5.4315E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.39E-11	1,000,000	7.39E-05
141	6.71	1.1547E-06	7.7464E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
142	9.90	1.1547E-06	1.1429E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
143	13.85	1.1547E-06	1.5994E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
144	15.82	1.1547E-06	1.8268E-05	3.46E-04	6.32E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04
145	14.66	1.1547E-06	1.6928E-05	3.46E-04	5.86E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
146	11.08	1.1547E-06	1.2795E-05	3.46E-04	4.43E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
147	7.27	1.1547E-06	8.3928E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
148	4.86	1.1547E-06	5.6069E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.62E-11	1,000,000	7.62E-05
149	3.48	1.1547E-06	4.0175E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
150	2.62	1.1547E-06	3.0277E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.12E-11	1,000,000	4.12E-05
151	2.06	1.1547E-06	2.3771E-06	3.46E-04	8.23E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.67	1.1547E-06	1.9291E-06	3.46E-04	6.68E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
153	1.39	1.1547E-06	1.6014E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
154	1.17	1.1547E-06	1.3556E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
155	0.84	1.1547E-06	9.7266E-07	3.46E-04	3.37E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
156	1.02	1.1547E-06	1.1763E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
157	1.28	1.1547E-06	1.4803E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
158	1.59	1.1547E-06	1.8318E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
159	2.07	1.1547E-06	2.3905E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
160	2.76	1.1547E-06	3.185E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
161	3.83	1.1547E-06	4.4219E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.01E-11	1,000,000	6.01E-05
162	5.67	1.1547E-06	6.5489E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.91E-11	1,000,000	8.91E-05
163	9.09	1.1547E-06	1.0491E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
164	17.16	1.1547E-06	1.9814E-05	3.46E-04	6.86E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
165	39.88	1.1547E-06	4.6051E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.26E-10	1,000,000	6.26E-04
166	50.92	1.1547E-06	5.88E-05	3.46E-04	2.04E-08	0.25	1.57E-01	8.00E-10	1,000,000	8.00E-04
167	47.58	1.1547E-06	5.4943E-05	3.46E-04	1.90E-08	0.25	1.57E-01	7.47E-10	1,000,000	7.47E-04
168	29.32	1.1547E-06	3.3853E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.60E-10	1,000,000	4.60E-04
169	11.26	1.1547E-06	1.3007E-05	3.46E-04	4.50E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
170	6.21	1.1547E-06	7.1704E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.75E-11	1,000,000	9.75E-05
171	4.10	1.1547E-06	4.7287E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
172	2.97	1.1547E-06	3.4342E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
173	2.28	1.1547E-06	2.6301E-06	3.46E-04	9.10E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
174	1.82	1.1547E-06	2.096E-06	3.46E-04	7.26E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
175	1.49	1.1547E-06	1.7206E-06	3.46E-04	5.96E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
176	1.25	1.1547E-06	1.4427E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
177	0.79	1.1547E-06	9.1754E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
178	0.98	1.1547E-06	1.1349E-06	3.46E-04	3.93E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
179	1.25	1.1547E-06	1.446E-06	3.46E-04	5.01E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
180	1.61	1.1547E-06	1.856E-06	3.46E-04	6.42E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
181	2.09	1.1547E-06	2.4176E-06	3.46E-04	8.37E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
182	2.80	1.1547E-06	3.2323E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
183	3.99	1.1547E-06	4.6078E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
184	13.48	1.1547E-06	1.5567E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	7.04	1.1547E-06	8.1294E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
186	4.55	1.1547E-06	5.2502E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.14E-11	1,000,000	7.14E-05
187	3.23	1.1547E-06	3.7344E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
188	2.45	1.1547E-06	2.8234E-06	3.46E-04	9.77E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
189	1.93	1.1547E-06	2.2296E-06	3.46E-04	7.72E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
190	1.57	1.1547E-06	1.8155E-06	3.46E-04	6.28E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
191	1.31	1.1547E-06	1.5128E-06	3.46E-04	5.24E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
192	0.73	1.1547E-06	8.405E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
193	0.88	1.1547E-06	1.0209E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
194	1.12	1.1547E-06	1.2963E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
195	1.45	1.1547E-06	1.6727E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
196	1.94	1.1547E-06	2.24E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
197	2.60	1.1547E-06	3.0017E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
198	3.78	1.1547E-06	4.3615E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.93E-11	1,000,000	5.93E-05
199	26.38	1.1547E-06	3.0461E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.14E-10	1,000,000	4.14E-04
200	10.18	1.1547E-06	1.1757E-05	3.46E-04	4.07E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
201	6.52	1.1547E-06	7.5334E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
202	4.48	1.1547E-06	5.1679E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.03E-11	1,000,000	7.03E-05
203	3.27	1.1547E-06	3.7758E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05
204	2.50	1.1547E-06	2.887E-06	3.46E-04	9.99E-10	0.25	1.57E-01	3.93E-11	1,000,000	3.93E-05
205	1.98	1.1547E-06	2.2883E-06	3.46E-04	7.92E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
206	1.62	1.1547E-06	1.865E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
207	1.35	1.1547E-06	1.5548E-06	3.46E-04	5.38E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
208	0.66	1.1547E-06	7.6018E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
209	0.80	1.1547E-06	9.2006E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
210	0.95	1.1547E-06	1.0998E-06	3.46E-04	3.81E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
211	1.23	1.1547E-06	1.4231E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
212	1.60	1.1547E-06	1.8428E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
213	2.20	1.1547E-06	2.5382E-06	3.46E-04	8.79E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
214	3.27	1.1547E-06	3.78E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.14E-11	1,000,000	5.14E-05
215	5.06	1.1547E-06	5.8385E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.94E-11	1,000,000	7.94E-05
216	9.33	1.1547E-06	1.0776E-05	3.46E-04	3.73E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
217	21.01	1.1547E-06	2.4259E-05	3.46E-04	8.40E-09	0.25	1.57E-01	3.30E-10	1,000,000	3.30E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	10.73	1.1547E-06	1.2391E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
219	7.55	1.1547E-06	8.7202E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
220	5.44	1.1547E-06	6.2829E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.54E-11	1,000,000	8.54E-05
221	4.03	1.1547E-06	4.6559E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
222	3.08	1.1547E-06	3.5554E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
223	2.42	1.1547E-06	2.7934E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
224	1.95	1.1547E-06	2.2507E-06	3.46E-04	7.79E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
225	1.60	1.1547E-06	1.8529E-06	3.46E-04	6.41E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
226	1.35	1.1547E-06	1.5548E-06	3.46E-04	5.38E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
227	0.59	1.1547E-06	6.7704E-07	3.46E-04	2.34E-10	0.25	1.57E-01	9.21E-12	1,000,000	9.21E-06
228	0.69	1.1547E-06	8.0216E-07	3.46E-04	2.78E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
229	0.84	1.1547E-06	9.6583E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
230	1.04	1.1547E-06	1.2048E-06	3.46E-04	4.17E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
231	1.34	1.1547E-06	1.5512E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
232	1.75	1.1547E-06	2.0166E-06	3.46E-04	6.98E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
233	2.56	1.1547E-06	2.9531E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
234	3.80	1.1547E-06	4.388E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.97E-11	1,000,000	5.97E-05
235	6.27	1.1547E-06	7.2389E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.84E-11	1,000,000	9.84E-05
236	11.58	1.1547E-06	1.3371E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
237	23.47	1.1547E-06	2.71E-05	3.46E-04	9.38E-09	0.25	1.57E-01	3.69E-10	1,000,000	3.69E-04
238	17.69	1.1547E-06	2.0431E-05	3.46E-04	7.07E-09	0.25	1.57E-01	2.78E-10	1,000,000	2.78E-04
239	10.77	1.1547E-06	1.2437E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
240	7.63	1.1547E-06	8.8053E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
241	5.78	1.1547E-06	6.6703E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.07E-11	1,000,000	9.07E-05
242	4.39	1.1547E-06	5.0729E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.90E-11	1,000,000	6.90E-05
243	3.46	1.1547E-06	3.9981E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.44E-11	1,000,000	5.44E-05
244	2.76	1.1547E-06	3.186E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
245	2.24	1.1547E-06	2.5831E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
246	1.84	1.1547E-06	2.1292E-06	3.46E-04	7.37E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
247	1.54	1.1547E-06	1.7822E-06	3.46E-04	6.17E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
248	1.31	1.1547E-06	1.5131E-06	3.46E-04	5.24E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
249	0.52	1.1547E-06	6.0445E-07	3.46E-04	2.09E-10	0.25	1.57E-01	8.22E-12	1,000,000	8.22E-06
250	0.61	1.1547E-06	7.0378E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.57E-12	1,000,000	9.57E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.72	1.1547E-06	8.309E-07	3.46E-04	2.88E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
252	0.89	1.1547E-06	1.0247E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
253	1.11	1.1547E-06	1.276E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
254	1.47	1.1547E-06	1.7029E-06	3.46E-04	5.89E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
255	1.95	1.1547E-06	2.2569E-06	3.46E-04	7.81E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
256	2.84	1.1547E-06	3.2768E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
257	3.98	1.1547E-06	4.59E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.24E-11	1,000,000	6.24E-05
258	5.63	1.1547E-06	6.5018E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.84E-11	1,000,000	8.84E-05
259	7.72	1.1547E-06	8.9183E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
260	7.75	1.1547E-06	8.9459E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
261	6.56	1.1547E-06	7.5796E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
262	5.29	1.1547E-06	6.1064E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.30E-11	1,000,000	8.30E-05
263	4.25	1.1547E-06	4.9081E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
264	3.47	1.1547E-06	4.0108E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.45E-11	1,000,000	5.45E-05
265	2.91	1.1547E-06	3.3549E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.56E-11	1,000,000	4.56E-05
266	2.40	1.1547E-06	2.7757E-06	3.46E-04	9.61E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
267	2.01	1.1547E-06	2.3165E-06	3.46E-04	8.02E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
268	1.69	1.1547E-06	1.9551E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
269	1.44	1.1547E-06	1.6673E-06	3.46E-04	5.77E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
270	1.24	1.1547E-06	1.4361E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
271	0.46	1.1547E-06	5.2799E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.18E-12	1,000,000	7.18E-06
272	0.53	1.1547E-06	6.0631E-07	3.46E-04	2.10E-10	0.25	1.57E-01	8.25E-12	1,000,000	8.25E-06
273	0.62	1.1547E-06	7.1406E-07	3.46E-04	2.47E-10	0.25	1.57E-01	9.71E-12	1,000,000	9.71E-06
274	0.74	1.1547E-06	8.5294E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
275	0.90	1.1547E-06	1.0408E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
276	1.15	1.1547E-06	1.3229E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
277	1.48	1.1547E-06	1.7035E-06	3.46E-04	5.90E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
278	1.90	1.1547E-06	2.1953E-06	3.46E-04	7.60E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
279	2.54	1.1547E-06	2.9345E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
280	3.28	1.1547E-06	3.7879E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
281	4.00	1.1547E-06	4.6233E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
282	4.39	1.1547E-06	5.0693E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.89E-11	1,000,000	6.89E-05
283	4.14	1.1547E-06	4.779E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.50E-11	1,000,000	6.50E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	3.49	1.1547E-06	4.029E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.48E-11	1,000,000	5.48E-05
285	3.09	1.1547E-06	3.5719E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.86E-11	1,000,000	4.86E-05
286	2.69	1.1547E-06	3.1018E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
287	2.33	1.1547E-06	2.69E-06	3.46E-04	9.31E-10	0.25	1.57E-01	3.66E-11	1,000,000	3.66E-05
288	2.04	1.1547E-06	2.3519E-06	3.46E-04	8.14E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
289	1.78	1.1547E-06	2.0531E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
290	1.52	1.1547E-06	1.7596E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
291	1.32	1.1547E-06	1.5283E-06	3.46E-04	5.29E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
292	1.16	1.1547E-06	1.3367E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
293	0.40	1.1547E-06	4.6467E-07	3.46E-04	1.61E-10	0.25	1.57E-01	6.32E-12	1,000,000	6.32E-06
294	0.46	1.1547E-06	5.3123E-07	3.46E-04	1.84E-10	0.25	1.57E-01	7.22E-12	1,000,000	7.22E-06
295	0.53	1.1547E-06	6.131E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.34E-12	1,000,000	8.34E-06
296	0.62	1.1547E-06	7.1096E-07	3.46E-04	2.46E-10	0.25	1.57E-01	9.67E-12	1,000,000	9.67E-06
297	0.74	1.1547E-06	8.5788E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
298	0.90	1.1547E-06	1.0401E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
299	1.11	1.1547E-06	1.2828E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
300	1.42	1.1547E-06	1.637E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
301	1.70	1.1547E-06	1.9631E-06	3.46E-04	6.80E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
302	2.14	1.1547E-06	2.4671E-06	3.46E-04	8.54E-10	0.25	1.57E-01	3.36E-11	1,000,000	3.36E-05
303	2.49	1.1547E-06	2.8784E-06	3.46E-04	9.96E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
304	2.78	1.1547E-06	3.212E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
305	2.74	1.1547E-06	3.1666E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
306	2.46	1.1547E-06	2.8383E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
307	2.25	1.1547E-06	2.5934E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
308	2.03	1.1547E-06	2.3399E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
309	1.90	1.1547E-06	2.1972E-06	3.46E-04	7.61E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
310	1.69	1.1547E-06	1.9543E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
311	1.52	1.1547E-06	1.7526E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
312	1.35	1.1547E-06	1.5643E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
313	1.21	1.1547E-06	1.3917E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
314	1.08	1.1547E-06	1.2431E-06	3.46E-04	4.30E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
315	0.35	1.1547E-06	4.013E-07	3.46E-04	1.39E-10	0.25	1.57E-01	5.46E-12	1,000,000	5.46E-06
316	0.39	1.1547E-06	4.5583E-07	3.46E-04	1.58E-10	0.25	1.57E-01	6.20E-12	1,000,000	6.20E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.45	1.1547E-06	5.1911E-07	3.46E-04	1.80E-10	0.25	1.57E-01	7.06E-12	1,000,000	7.06E-06
318	0.51	1.1547E-06	5.9353E-07	3.46E-04	2.05E-10	0.25	1.57E-01	8.07E-12	1,000,000	8.07E-06
319	0.59	1.1547E-06	6.7943E-07	3.46E-04	2.35E-10	0.25	1.57E-01	9.24E-12	1,000,000	9.24E-06
320	0.72	1.1547E-06	8.3622E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
321	0.85	1.1547E-06	9.8311E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
322	1.02	1.1547E-06	1.1827E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
323	1.25	1.1547E-06	1.4482E-06	3.46E-04	5.01E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
324	1.48	1.1547E-06	1.7099E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
325	1.70	1.1547E-06	1.9629E-06	3.46E-04	6.80E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
326	1.87	1.1547E-06	2.1629E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
327	2.16	1.1547E-06	2.4969E-06	3.46E-04	8.64E-10	0.25	1.57E-01	3.40E-11	1,000,000	3.40E-05
328	1.74	1.1547E-06	2.0116E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
329	1.64	1.1547E-06	1.8939E-06	3.46E-04	6.56E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
330	1.57	1.1547E-06	1.8117E-06	3.46E-04	6.27E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
331	1.49	1.1547E-06	1.7163E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
332	1.39	1.1547E-06	1.607E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
333	1.28	1.1547E-06	1.4757E-06	3.46E-04	5.11E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
334	1.18	1.1547E-06	1.3629E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
335	1.08	1.1547E-06	1.2425E-06	3.46E-04	4.30E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
336	0.98	1.1547E-06	1.1364E-06	3.46E-04	3.93E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
337	0.31	1.1547E-06	3.5533E-07	3.46E-04	1.23E-10	0.25	1.57E-01	4.83E-12	1,000,000	4.83E-06
338	0.34	1.1547E-06	3.9651E-07	3.46E-04	1.37E-10	0.25	1.57E-01	5.39E-12	1,000,000	5.39E-06
339	0.38	1.1547E-06	4.4007E-07	3.46E-04	1.52E-10	0.25	1.57E-01	5.98E-12	1,000,000	5.98E-06
340	0.44	1.1547E-06	5.0423E-07	3.46E-04	1.75E-10	0.25	1.57E-01	6.86E-12	1,000,000	6.86E-06
341	0.49	1.1547E-06	5.6838E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.73E-12	1,000,000	7.73E-06
342	0.59	1.1547E-06	6.7899E-07	3.46E-04	2.35E-10	0.25	1.57E-01	9.23E-12	1,000,000	9.23E-06
343	0.67	1.1547E-06	7.7435E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
344	0.79	1.1547E-06	9.1184E-07	3.46E-04	3.16E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
345	0.93	1.1547E-06	1.0699E-06	3.46E-04	3.70E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
346	1.09	1.1547E-06	1.2639E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
347	1.21	1.1547E-06	1.3988E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
348	1.32	1.1547E-06	1.5231E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
349	1.23	1.1547E-06	1.4213E-06	3.46E-04	4.92E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.23	1.1547E-06	1.4171E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
351	1.21	1.1547E-06	1.3992E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
352	1.15	1.1547E-06	1.323E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
353	1.16	1.1547E-06	1.3393E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
354	1.11	1.1547E-06	1.2801E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
355	1.06	1.1547E-06	1.2278E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
356	1.01	1.1547E-06	1.1637E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
357	0.94	1.1547E-06	1.0862E-06	3.46E-04	3.76E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
358	0.88	1.1547E-06	1.0138E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
359	0.27	1.1547E-06	3.0878E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.20E-12	1,000,000	4.20E-06
360	0.30	1.1547E-06	3.4379E-07	3.46E-04	1.19E-10	0.25	1.57E-01	4.68E-12	1,000,000	4.68E-06
361	0.33	1.1547E-06	3.81E-07	3.46E-04	1.32E-10	0.25	1.57E-01	5.18E-12	1,000,000	5.18E-06
362	0.37	1.1547E-06	4.2431E-07	3.46E-04	1.47E-10	0.25	1.57E-01	5.77E-12	1,000,000	5.77E-06
363	0.41	1.1547E-06	4.7068E-07	3.46E-04	1.63E-10	0.25	1.57E-01	6.40E-12	1,000,000	6.40E-06
364	0.47	1.1547E-06	5.4198E-07	3.46E-04	1.88E-10	0.25	1.57E-01	7.37E-12	1,000,000	7.37E-06
365	0.54	1.1547E-06	6.2404E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.49E-12	1,000,000	8.49E-06
366	0.63	1.1547E-06	7.2337E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.84E-12	1,000,000	9.84E-06
367	0.74	1.1547E-06	8.4878E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
368	0.82	1.1547E-06	9.5244E-07	3.46E-04	3.30E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
369	0.88	1.1547E-06	1.0214E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
370	0.91	1.1547E-06	1.0466E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
371	0.94	1.1547E-06	1.0824E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
372	0.94	1.1547E-06	1.0836E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
373	0.90	1.1547E-06	1.0442E-06	3.46E-04	3.61E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
374	0.87	1.1547E-06	1.0028E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
375	0.89	1.1547E-06	1.0246E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
376	0.87	1.1547E-06	1.001E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
377	0.86	1.1547E-06	9.8952E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
378	0.86	1.1547E-06	9.908E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
379	0.82	1.1547E-06	9.4508E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
380	0.77	1.1547E-06	8.8732E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
381	1.01	1.1547E-06	1.1635E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
382	1.15	1.1547E-06	1.3272E-06	3.46E-04	4.59E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.32	1.1547E-06	1.5225E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
384	1.52	1.1547E-06	1.754E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
385	1.75	1.1547E-06	2.0251E-06	3.46E-04	7.01E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
386	2.02	1.1547E-06	2.3319E-06	3.46E-04	8.07E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
387	2.30	1.1547E-06	2.6598E-06	3.46E-04	9.21E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
388	2.58	1.1547E-06	2.9823E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.06E-11	1,000,000	4.06E-05
389	2.81	1.1547E-06	3.2487E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
390	2.95	1.1547E-06	3.4022E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.63E-11	1,000,000	4.63E-05
391	2.94	1.1547E-06	3.3991E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
392	2.80	1.1547E-06	3.2387E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
393	2.56	1.1547E-06	2.9586E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
394	2.27	1.1547E-06	2.6238E-06	3.46E-04	9.08E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
395	1.97	1.1547E-06	2.277E-06	3.46E-04	7.88E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
396	1.70	1.1547E-06	1.9619E-06	3.46E-04	6.79E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
397	1.46	1.1547E-06	1.6901E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
398	1.27	1.1547E-06	1.4609E-06	3.46E-04	5.06E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
399	1.09	1.1547E-06	1.2591E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
400	1.26	1.1547E-06	1.4573E-06	3.46E-04	5.04E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
401	1.47	1.1547E-06	1.7022E-06	3.46E-04	5.89E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
402	1.74	1.1547E-06	2.0056E-06	3.46E-04	6.94E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
403	2.06	1.1547E-06	2.3792E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
404	2.45	1.1547E-06	2.8297E-06	3.46E-04	9.80E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
405	2.90	1.1547E-06	3.353E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.56E-11	1,000,000	4.56E-05
406	3.39	1.1547E-06	3.9113E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
407	3.82	1.1547E-06	4.4118E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.00E-11	1,000,000	6.00E-05
408	4.09	1.1547E-06	4.7275E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
409	4.10	1.1547E-06	4.7356E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.44E-11	1,000,000	6.44E-05
410	3.83	1.1547E-06	4.4242E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.02E-11	1,000,000	6.02E-05
411	3.39	1.1547E-06	3.9114E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
412	2.88	1.1547E-06	3.3306E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
413	2.40	1.1547E-06	2.7767E-06	3.46E-04	9.61E-10	0.25	1.57E-01	3.78E-11	1,000,000	3.78E-05
414	2.00	1.1547E-06	2.3109E-06	3.46E-04	8.00E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
415	1.67	1.1547E-06	1.9341E-06	3.46E-04	6.70E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.41	1.1547E-06	1.6305E-06	3.46E-04	5.64E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05
417	1.17	1.1547E-06	1.3467E-06	3.46E-04	4.66E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
418	1.37	1.1547E-06	1.5822E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
419	1.63	1.1547E-06	1.8873E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
420	1.97	1.1547E-06	2.2784E-06	3.46E-04	7.89E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
421	2.42	1.1547E-06	2.7904E-06	3.46E-04	9.66E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
422	3.00	1.1547E-06	3.4625E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
423	3.75	1.1547E-06	4.3263E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.88E-11	1,000,000	5.88E-05
424	4.64	1.1547E-06	5.3617E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.29E-11	1,000,000	7.29E-05
425	5.54	1.1547E-06	6.4008E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.70E-11	1,000,000	8.70E-05
426	6.17	1.1547E-06	7.12E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.68E-11	1,000,000	9.68E-05
427	6.20	1.1547E-06	7.1544E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.73E-11	1,000,000	9.73E-05
428	5.64	1.1547E-06	6.5078E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.85E-11	1,000,000	8.85E-05
429	4.71	1.1547E-06	5.4414E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.40E-11	1,000,000	7.40E-05
430	3.75	1.1547E-06	4.3315E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.89E-11	1,000,000	5.89E-05
431	2.96	1.1547E-06	3.4141E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.64E-11	1,000,000	4.64E-05
432	2.36	1.1547E-06	2.7214E-06	3.46E-04	9.42E-10	0.25	1.57E-01	3.70E-11	1,000,000	3.70E-05
433	1.92	1.1547E-06	2.2153E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
434	1.58	1.1547E-06	1.8273E-06	3.46E-04	6.33E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
435	1.18	1.1547E-06	1.3618E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
436	1.43	1.1547E-06	1.6544E-06	3.46E-04	5.73E-10	0.25	1.57E-01	2.25E-11	1,000,000	2.25E-05
437	1.78	1.1547E-06	2.0531E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
438	2.21	1.1547E-06	2.5551E-06	3.46E-04	8.84E-10	0.25	1.57E-01	3.47E-11	1,000,000	3.47E-05
439	2.80	1.1547E-06	3.2383E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
440	3.65	1.1547E-06	4.2187E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.74E-11	1,000,000	5.74E-05
441	4.89	1.1547E-06	5.6504E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.68E-11	1,000,000	7.68E-05
442	6.67	1.1547E-06	7.704E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
443	8.89	1.1547E-06	1.0267E-05	3.46E-04	3.55E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
444	10.64	1.1547E-06	1.2286E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
445	10.81	1.1547E-06	1.248E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
446	9.37	1.1547E-06	1.0818E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
447	7.07	1.1547E-06	8.1647E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
448	5.03	1.1547E-06	5.8038E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.89E-11	1,000,000	7.89E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	3.66	1.1547E-06	4.2291E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.75E-11	1,000,000	5.75E-05
450	2.78	1.1547E-06	3.2084E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
451	2.17	1.1547E-06	2.5082E-06	3.46E-04	8.68E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
452	1.76	1.1547E-06	2.0292E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
453	1.17	1.1547E-06	1.3544E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
454	1.44	1.1547E-06	1.6597E-06	3.46E-04	5.75E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
455	1.84	1.1547E-06	2.1234E-06	3.46E-04	7.35E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
456	2.39	1.1547E-06	2.7642E-06	3.46E-04	9.57E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
457	3.17	1.1547E-06	3.6602E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.98E-11	1,000,000	4.98E-05
458	4.35	1.1547E-06	5.0252E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.83E-11	1,000,000	6.83E-05
459	6.33	1.1547E-06	7.3133E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.95E-11	1,000,000	9.95E-05
460	9.98	1.1547E-06	1.1521E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
461	16.88	1.1547E-06	1.9491E-05	3.46E-04	6.75E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
462	24.37	1.1547E-06	2.8139E-05	3.46E-04	9.74E-09	0.25	1.57E-01	3.83E-10	1,000,000	3.83E-04
463	25.15	1.1547E-06	2.9045E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
464	20.56	1.1547E-06	2.3735E-05	3.46E-04	8.22E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
465	12.10	1.1547E-06	1.3975E-05	3.46E-04	4.84E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
466	6.92	1.1547E-06	7.9954E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
467	4.53	1.1547E-06	5.2256E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
468	3.24	1.1547E-06	3.7367E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
469	2.45	1.1547E-06	2.8332E-06	3.46E-04	9.81E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
470	1.94	1.1547E-06	2.2382E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
471	1.11	1.1547E-06	1.2815E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
472	1.41	1.1547E-06	1.6246E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
473	1.82	1.1547E-06	2.1033E-06	3.46E-04	7.28E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
474	2.38	1.1547E-06	2.75E-06	3.46E-04	9.52E-10	0.25	1.57E-01	3.74E-11	1,000,000	3.74E-05
475	3.24	1.1547E-06	3.7382E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
476	9.08	1.1547E-06	1.0483E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
477	5.34	1.1547E-06	6.1637E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.38E-11	1,000,000	8.38E-05
478	3.67	1.1547E-06	4.2338E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.76E-11	1,000,000	5.76E-05
479	2.71	1.1547E-06	3.1295E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.26E-11	1,000,000	4.26E-05
480	2.10	1.1547E-06	2.4268E-06	3.46E-04	8.40E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
481	1.03	1.1547E-06	1.185E-06	3.46E-04	4.10E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.33	1.1547E-06	1.5382E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
483	1.68	1.1547E-06	1.9447E-06	3.46E-04	6.73E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
484	2.24	1.1547E-06	2.5828E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
485	3.25	1.1547E-06	3.7499E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.10E-11	1,000,000	5.10E-05
486	8.91	1.1547E-06	1.0288E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
487	5.56	1.1547E-06	6.4252E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.74E-11	1,000,000	8.74E-05
488	3.84	1.1547E-06	4.4379E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.04E-11	1,000,000	6.04E-05
489	2.85	1.1547E-06	3.2858E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.47E-11	1,000,000	4.47E-05
490	2.20	1.1547E-06	2.545E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
491	0.92	1.1547E-06	1.0663E-06	3.46E-04	3.69E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
492	1.17	1.1547E-06	1.3506E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
493	1.48	1.1547E-06	1.7058E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
494	1.98	1.1547E-06	2.2915E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
495	2.87	1.1547E-06	3.3145E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.51E-11	1,000,000	4.51E-05
496	15.28	1.1547E-06	1.7646E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
497	50.08	1.1547E-06	5.7831E-05	3.46E-04	2.00E-08	0.25	1.57E-01	7.86E-10	1,000,000	7.86E-04
498	10.56	1.1547E-06	1.2192E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
499	7.20	1.1547E-06	8.309E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
500	5.04	1.1547E-06	5.8187E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
501	3.68	1.1547E-06	4.254E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.79E-11	1,000,000	5.79E-05
502	2.80	1.1547E-06	3.2352E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
503	2.20	1.1547E-06	2.5445E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
504	0.82	1.1547E-06	9.4304E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
505	0.99	1.1547E-06	1.1421E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
506	1.31	1.1547E-06	1.5082E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
507	1.68	1.1547E-06	1.9341E-06	3.46E-04	6.70E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
508	2.42	1.1547E-06	2.7906E-06	3.46E-04	9.66E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
509	3.52	1.1547E-06	4.0684E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
510	5.66	1.1547E-06	6.5394E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
511	10.53	1.1547E-06	1.2161E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
512	27.90	1.1547E-06	3.222E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
513	33.80	1.1547E-06	3.9023E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.31E-10	1,000,000	5.31E-04
514	17.59	1.1547E-06	2.0308E-05	3.46E-04	7.03E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	10.86	1.1547E-06	1.2544E-05	3.46E-04	4.34E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
516	7.72	1.1547E-06	8.909E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
517	5.68	1.1547E-06	6.5583E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.92E-11	1,000,000	8.92E-05
518	4.28	1.1547E-06	4.9446E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.72E-11	1,000,000	6.72E-05
519	3.30	1.1547E-06	3.8161E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.19E-11	1,000,000	5.19E-05
520	2.61	1.1547E-06	3.0126E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.10E-11	1,000,000	4.10E-05
521	2.10	1.1547E-06	2.4298E-06	3.46E-04	8.41E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
522	0.71	1.1547E-06	8.1649E-07	3.46E-04	2.83E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
523	0.87	1.1547E-06	1.0088E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
524	1.10	1.1547E-06	1.2691E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
525	1.41	1.1547E-06	1.6234E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
526	1.80	1.1547E-06	2.0775E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
527	2.70	1.1547E-06	3.1182E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.24E-11	1,000,000	4.24E-05
528	3.97	1.1547E-06	4.5873E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.24E-11	1,000,000	6.24E-05
529	6.28	1.1547E-06	7.2481E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.86E-11	1,000,000	9.86E-05
530	10.27	1.1547E-06	1.1862E-05	3.46E-04	4.11E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
531	12.36	1.1547E-06	1.4275E-05	3.46E-04	4.94E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
532	9.70	1.1547E-06	1.1197E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
533	7.38	1.1547E-06	8.5217E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
534	5.57	1.1547E-06	6.4328E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05
535	4.43	1.1547E-06	5.1196E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.96E-11	1,000,000	6.96E-05
536	3.54	1.1547E-06	4.0885E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.56E-11	1,000,000	5.56E-05
537	2.86	1.1547E-06	3.3039E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
538	2.34	1.1547E-06	2.6997E-06	3.46E-04	9.35E-10	0.25	1.57E-01	3.67E-11	1,000,000	3.67E-05
539	1.94	1.1547E-06	2.2371E-06	3.46E-04	7.74E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
540	0.61	1.1547E-06	7.0773E-07	3.46E-04	2.45E-10	0.25	1.57E-01	9.62E-12	1,000,000	9.62E-06
541	0.74	1.1547E-06	8.577E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
542	0.91	1.1547E-06	1.0522E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
543	1.14	1.1547E-06	1.3161E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
544	1.50	1.1547E-06	1.7374E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
545	1.96	1.1547E-06	2.26E-06	3.46E-04	7.82E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
546	2.71	1.1547E-06	3.1267E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.25E-11	1,000,000	4.25E-05
547	3.67	1.1547E-06	4.2355E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.76E-11	1,000,000	5.76E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	4.98	1.1547E-06	5.7461E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.81E-11	1,000,000	7.81E-05
549	5.70	1.1547E-06	6.5825E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.95E-11	1,000,000	8.95E-05
550	5.51	1.1547E-06	6.3679E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.66E-11	1,000,000	8.66E-05
551	5.04	1.1547E-06	5.8152E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
552	3.99	1.1547E-06	4.6112E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
553	3.33	1.1547E-06	3.8402E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
554	2.81	1.1547E-06	3.2408E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
555	2.43	1.1547E-06	2.8079E-06	3.46E-04	9.72E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
556	2.05	1.1547E-06	2.3651E-06	3.46E-04	8.19E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05
557	1.74	1.1547E-06	2.0093E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
558	0.53	1.1547E-06	6.1511E-07	3.46E-04	2.13E-10	0.25	1.57E-01	8.37E-12	1,000,000	8.37E-06
559	0.64	1.1547E-06	7.3362E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.98E-12	1,000,000	9.98E-06
560	0.74	1.1547E-06	8.6021E-07	3.46E-04	2.98E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
561	0.91	1.1547E-06	1.0553E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
562	1.11	1.1547E-06	1.2813E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
563	1.40	1.1547E-06	1.6127E-06	3.46E-04	5.58E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
564	1.85	1.1547E-06	2.1397E-06	3.46E-04	7.41E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
565	2.32	1.1547E-06	2.6833E-06	3.46E-04	9.29E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
566	2.92	1.1547E-06	3.3697E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.58E-11	1,000,000	4.58E-05
567	3.28	1.1547E-06	3.7895E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
568	3.48	1.1547E-06	4.0129E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
569	3.09	1.1547E-06	3.5662E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.85E-11	1,000,000	4.85E-05
570	2.74	1.1547E-06	3.1613E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.30E-11	1,000,000	4.30E-05
571	2.49	1.1547E-06	2.8747E-06	3.46E-04	9.95E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
572	2.25	1.1547E-06	2.5937E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
573	1.98	1.1547E-06	2.2838E-06	3.46E-04	7.91E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
574	1.75	1.1547E-06	2.0195E-06	3.46E-04	6.99E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
575	1.54	1.1547E-06	1.7787E-06	3.46E-04	6.16E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.1547E-06	8.0767E-07	1.05E-03	8.44E-10	2.00	1.57E-01	2.65E-10	1,000,000	2.7E-04
2	1.1547E-06	8.8987E-07	1.05E-03	9.30E-10	2.00	1.57E-01	2.92E-10	1,000,000	2.92E-04
3	1.1547E-06	9.8213E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
4	1.1547E-06	1.0844E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
5	1.1547E-06	1.1968E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
6	1.1547E-06	1.3176E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
7	1.1547E-06	1.442E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
8	1.1547E-06	1.5644E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
9	1.1547E-06	1.6776E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
10	1.1547E-06	1.7687E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
11	1.1547E-06	1.8269E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
12	1.1547E-06	1.8446E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.06E-10	1,000,000	6.06E-04
13	1.1547E-06	1.8182E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
14	1.1547E-06	1.7511E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.75E-10	1,000,000	5.75E-04
15	1.1547E-06	1.6525E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.43E-10	1,000,000	5.43E-04
16	1.1547E-06	1.5321E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.03E-10	1,000,000	5.03E-04
17	1.1547E-06	1.4059E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.62E-10	1,000,000	4.62E-04
18	1.1547E-06	1.279E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.20E-10	1,000,000	4.20E-04
19	1.1547E-06	1.1566E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
20	1.1547E-06	1.0461E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
21	1.1547E-06	9.4563E-07	1.05E-03	9.88E-10	2.00	1.57E-01	3.11E-10	1,000,000	3.11E-04
22	1.1547E-06	8.5475E-07	1.05E-03	8.93E-10	2.00	1.57E-01	2.81E-10	1,000,000	2.81E-04
23	1.1547E-06	8.6998E-07	1.05E-03	9.09E-10	2.00	1.57E-01	2.86E-10	1,000,000	2.86E-04
24	1.1547E-06	9.6805E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.18E-10	1,000,000	3.18E-04
25	1.1547E-06	1.0805E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
26	1.1547E-06	1.2089E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.1547E-06	1.3537E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
28	1.1547E-06	1.5153E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
29	1.1547E-06	1.6873E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.54E-10	1,000,000	5.54E-04
30	1.1547E-06	1.8654E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
31	1.1547E-06	2.0333E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.68E-10	1,000,000	6.68E-04
32	1.1547E-06	2.1741E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.14E-10	1,000,000	7.14E-04
33	1.1547E-06	2.266E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
34	1.1547E-06	2.2979E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.55E-10	1,000,000	7.55E-04
35	1.1547E-06	2.2598E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.42E-10	1,000,000	7.42E-04
36	1.1547E-06	2.1582E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
37	1.1547E-06	2.0012E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.57E-10	1,000,000	6.57E-04
38	1.1547E-06	1.824E-06	1.05E-03	1.91E-09	2.00	1.57E-01	5.99E-10	1,000,000	5.99E-04
39	1.1547E-06	1.6447E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
40	1.1547E-06	1.4695E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
41	1.1547E-06	1.3068E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.29E-10	1,000,000	4.29E-04
42	1.1547E-06	1.1618E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
43	1.1547E-06	1.0347E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.40E-10	1,000,000	3.40E-04
44	1.1547E-06	9.2961E-07	1.05E-03	9.72E-10	2.00	1.57E-01	3.05E-10	1,000,000	3.05E-04
45	1.1547E-06	9.3395E-07	1.05E-03	9.76E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04
46	1.1547E-06	1.05E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
47	1.1547E-06	1.1866E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
48	1.1547E-06	1.3471E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
49	1.1547E-06	1.5345E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.04E-10	1,000,000	5.04E-04
50	1.1547E-06	1.7505E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.75E-10	1,000,000	5.75E-04
51	1.1547E-06	1.9937E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.55E-10	1,000,000	6.55E-04
52	1.1547E-06	2.2553E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.41E-10	1,000,000	7.41E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.1547E-06	2.5181E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
54	1.1547E-06	2.7468E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.02E-10	1,000,000	9.02E-04
55	1.1547E-06	2.9057E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.55E-10	1,000,000	9.55E-04
56	1.1547E-06	2.9615E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
57	1.1547E-06	2.8976E-06	1.05E-03	3.03E-09	2.00	1.57E-01	9.52E-10	1,000,000	9.52E-04
58	1.1547E-06	2.7349E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.98E-10	1,000,000	8.98E-04
59	1.1547E-06	2.4822E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.15E-10	1,000,000	8.15E-04
60	1.1547E-06	2.2072E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.25E-10	1,000,000	7.25E-04
61	1.1547E-06	1.9423E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.38E-10	1,000,000	6.38E-04
62	1.1547E-06	1.6949E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.57E-10	1,000,000	5.57E-04
63	1.1547E-06	1.4782E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
64	1.1547E-06	1.2937E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
65	1.1547E-06	1.139E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
66	1.1547E-06	1.0089E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
67	1.1547E-06	9.9739E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.28E-10	1,000,000	3.28E-04
68	1.1547E-06	1.1333E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.72E-10	1,000,000	3.72E-04
69	1.1547E-06	1.2973E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
70	1.1547E-06	1.4961E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.91E-10	1,000,000	4.91E-04
71	1.1547E-06	1.7373E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.71E-10	1,000,000	5.71E-04
72	1.1547E-06	2.0285E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.66E-10	1,000,000	6.66E-04
73	1.1547E-06	2.3748E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.80E-10	1,000,000	7.80E-04
74	1.1547E-06	2.77E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.10E-10	1,000,000	9.10E-04
75	1.1547E-06	3.1939E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
76	1.1547E-06	3.5957E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
77	1.1547E-06	3.8957E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
78	1.1547E-06	4.0149E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
79	1.1547E-06	3.8973E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
80	1.1547E-06	3.5885E-06	1.05E-03	3.75E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
81	1.1547E-06	3.1662E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
82	1.1547E-06	2.7278E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.96E-10	1,000,000	8.96E-04
83	1.1547E-06	2.3146E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.60E-10	1,000,000	7.60E-04
84	1.1547E-06	1.9647E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
85	1.1547E-06	1.6662E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.47E-10	1,000,000	5.47E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.1547E-06	1.4375E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
87	1.1547E-06	1.2465E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
88	1.1547E-06	1.0919E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.59E-10	1,000,000	3.59E-04
89	1.1547E-06	1.0547E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
90	1.1547E-06	1.2143E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.99E-10	1,000,000	3.99E-04
91	1.1547E-06	1.4081E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
92	1.1547E-06	1.6506E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.42E-10	1,000,000	5.42E-04
93	1.1547E-06	1.957E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.43E-10	1,000,000	6.43E-04
94	1.1547E-06	2.3464E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.71E-10	1,000,000	7.71E-04
95	1.1547E-06	2.8395E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.33E-10	1,000,000	9.33E-04
96	1.1547E-06	3.4517E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
97	1.1547E-06	4.1749E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
98	1.1547E-06	4.9299E-06	1.05E-03	5.15E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
99	1.1547E-06	5.5398E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
100	1.1547E-06	5.7958E-06	1.05E-03	6.06E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
101	1.1547E-06	5.5746E-06	1.05E-03	5.83E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
102	1.1547E-06	4.962E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
103	1.1547E-06	4.1781E-06	1.05E-03	4.37E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
104	1.1547E-06	3.4118E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
105	1.1547E-06	2.7785E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.13E-10	1,000,000	9.13E-04
106	1.1547E-06	2.2774E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.48E-10	1,000,000	7.48E-04
107	1.1547E-06	1.8896E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
108	1.1547E-06	1.5921E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
109	1.1547E-06	1.3596E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
110	1.1547E-06	1.178E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
111	1.1547E-06	1.0779E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04
112	1.1547E-06	1.2754E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
113	1.1547E-06	1.4837E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.87E-10	1,000,000	4.87E-04
114	1.1547E-06	1.7743E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.83E-10	1,000,000	5.83E-04
115	1.1547E-06	2.1818E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.17E-10	1,000,000	7.17E-04
116	1.1547E-06	2.6922E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.84E-10	1,000,000	8.84E-04
117	1.1547E-06	3.3872E-06	1.05E-03	3.54E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
118	1.1547E-06	4.3428E-06	1.05E-03	4.54E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.1547E-06	5.6258E-06	1.05E-03	5.88E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
120	1.1547E-06	7.1963E-06	1.05E-03	7.52E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
121	1.1547E-06	8.6757E-06	1.05E-03	9.07E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
122	1.1547E-06	9.3351E-06	1.05E-03	9.76E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
123	1.1547E-06	8.8384E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
124	1.1547E-06	7.4281E-06	1.05E-03	7.76E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
125	1.1547E-06	5.7555E-06	1.05E-03	6.02E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
126	1.1547E-06	4.3465E-06	1.05E-03	4.54E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
127	1.1547E-06	3.3417E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
128	1.1547E-06	2.6352E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
129	1.1547E-06	2.1265E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.99E-10	1,000,000	6.99E-04
130	1.1547E-06	1.7585E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
131	1.1547E-06	1.4793E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
132	1.1547E-06	1.2667E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.16E-10	1,000,000	4.16E-04
133	1.1547E-06	1.0634E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
134	1.1547E-06	1.2571E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
135	1.1547E-06	1.498E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.92E-10	1,000,000	4.92E-04
136	1.1547E-06	1.8758E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.16E-10	1,000,000	6.16E-04
137	1.1547E-06	2.3867E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.84E-10	1,000,000	7.84E-04
138	1.1547E-06	3.0358E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.97E-10	1,000,000	9.97E-04
139	1.1547E-06	3.9807E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
140	1.1547E-06	5.4315E-06	1.05E-03	5.68E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
141	1.1547E-06	7.7464E-06	1.05E-03	8.10E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
142	1.1547E-06	1.1429E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
143	1.1547E-06	1.5994E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.25E-09	1,000,000	5.25E-03
144	1.1547E-06	1.8268E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.00E-09	1,000,000	6.00E-03
145	1.1547E-06	1.6928E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.56E-09	1,000,000	5.56E-03
146	1.1547E-06	1.2795E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
147	1.1547E-06	8.3928E-06	1.05E-03	8.77E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
148	1.1547E-06	5.6069E-06	1.05E-03	5.86E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.84E-03
149	1.1547E-06	4.0175E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
150	1.1547E-06	3.0277E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.95E-10	1,000,000	9.95E-04
151	1.1547E-06	2.3771E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.81E-10	1,000,000	7.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.1547E-06	1.9291E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.34E-10	1,000,000	6.34E-04
153	1.1547E-06	1.6014E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
154	1.1547E-06	1.3556E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
155	1.1547E-06	9.7266E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
156	1.1547E-06	1.1763E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
157	1.1547E-06	1.4803E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
158	1.1547E-06	1.8318E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
159	1.1547E-06	2.3905E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.85E-10	1,000,000	7.85E-04
160	1.1547E-06	3.185E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
161	1.1547E-06	4.4219E-06	1.05E-03	4.62E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
162	1.1547E-06	6.5489E-06	1.05E-03	6.84E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
163	1.1547E-06	1.0491E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
164	1.1547E-06	1.9814E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.51E-09	1,000,000	6.51E-03
165	1.1547E-06	4.6051E-05	1.05E-03	4.81E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
166	1.1547E-06	5.88E-05	1.05E-03	6.15E-08	2.00	1.57E-01	1.93E-08	1,000,000	1.93E-02
167	1.1547E-06	5.4943E-05	1.05E-03	5.74E-08	2.00	1.57E-01	1.80E-08	1,000,000	1.80E-02
168	1.1547E-06	3.3853E-05	1.05E-03	3.54E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
169	1.1547E-06	1.3007E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.27E-09	1,000,000	4.27E-03
170	1.1547E-06	7.1704E-06	1.05E-03	7.49E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
171	1.1547E-06	4.7287E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
172	1.1547E-06	3.4342E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
173	1.1547E-06	2.6301E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.64E-10	1,000,000	8.64E-04
174	1.1547E-06	2.096E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.89E-10	1,000,000	6.89E-04
175	1.1547E-06	1.7206E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.65E-10	1,000,000	5.65E-04
176	1.1547E-06	1.4427E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
177	1.1547E-06	9.1754E-07	1.05E-03	9.59E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
178	1.1547E-06	1.1349E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04
179	1.1547E-06	1.446E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
180	1.1547E-06	1.856E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.10E-10	1,000,000	6.10E-04
181	1.1547E-06	2.4176E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.94E-10	1,000,000	7.94E-04
182	1.1547E-06	3.2323E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
183	1.1547E-06	4.6078E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
184	1.1547E-06	1.5567E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.11E-09	1,000,000	5.11E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.1547E-06	8.1294E-06	1.05E-03	8.50E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
186	1.1547E-06	5.2502E-06	1.05E-03	5.49E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
187	1.1547E-06	3.7344E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
188	1.1547E-06	2.8234E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.27E-10	1,000,000	9.27E-04
189	1.1547E-06	2.2296E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.32E-10	1,000,000	7.32E-04
190	1.1547E-06	1.8155E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.96E-10	1,000,000	5.96E-04
191	1.1547E-06	1.5128E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
192	1.1547E-06	8.405E-07	1.05E-03	8.78E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.76E-04
193	1.1547E-06	1.0209E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
194	1.1547E-06	1.2963E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
195	1.1547E-06	1.6727E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
196	1.1547E-06	2.24E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.36E-10	1,000,000	7.36E-04
197	1.1547E-06	3.0017E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.86E-10	1,000,000	9.86E-04
198	1.1547E-06	4.3615E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
199	1.1547E-06	3.0461E-05	1.05E-03	3.18E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
200	1.1547E-06	1.1757E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.86E-09	1,000,000	3.86E-03
201	1.1547E-06	7.5334E-06	1.05E-03	7.87E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
202	1.1547E-06	5.1679E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
203	1.1547E-06	3.7758E-06	1.05E-03	3.95E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
204	1.1547E-06	2.887E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.48E-10	1,000,000	9.48E-04
205	1.1547E-06	2.2883E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.52E-10	1,000,000	7.52E-04
206	1.1547E-06	1.865E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
207	1.1547E-06	1.5548E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
208	1.1547E-06	7.6018E-07	1.05E-03	7.95E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04
209	1.1547E-06	9.2006E-07	1.05E-03	9.62E-10	2.00	1.57E-01	3.02E-10	1,000,000	3.02E-04
210	1.1547E-06	1.0998E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04
211	1.1547E-06	1.4231E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
212	1.1547E-06	1.8428E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
213	1.1547E-06	2.5382E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.34E-10	1,000,000	8.34E-04
214	1.1547E-06	3.78E-06	1.05E-03	3.95E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
215	1.1547E-06	5.8385E-06	1.05E-03	6.10E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
216	1.1547E-06	1.0776E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.54E-09	1,000,000	3.54E-03
217	1.1547E-06	2.4259E-05	1.05E-03	2.54E-08	2.00	1.57E-01	7.97E-09	1,000,000	7.97E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.1547E-06	1.2391E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
219	1.1547E-06	8.7202E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
220	1.1547E-06	6.2829E-06	1.05E-03	6.57E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
221	1.1547E-06	4.6559E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
222	1.1547E-06	3.5554E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
223	1.1547E-06	2.7934E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
224	1.1547E-06	2.2507E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.39E-10	1,000,000	7.39E-04
225	1.1547E-06	1.8529E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.09E-10	1,000,000	6.09E-04
226	1.1547E-06	1.5548E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
227	1.1547E-06	6.7704E-07	1.05E-03	7.08E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
228	1.1547E-06	8.0216E-07	1.05E-03	8.38E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
229	1.1547E-06	9.6583E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
230	1.1547E-06	1.2048E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.96E-10	1,000,000	3.96E-04
231	1.1547E-06	1.5512E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
232	1.1547E-06	2.0166E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.62E-10	1,000,000	6.62E-04
233	1.1547E-06	2.9531E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
234	1.1547E-06	4.388E-06	1.05E-03	4.59E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
235	1.1547E-06	7.2389E-06	1.05E-03	7.57E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
236	1.1547E-06	1.3371E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
237	1.1547E-06	2.71E-05	1.05E-03	2.83E-08	2.00	1.57E-01	8.90E-09	1,000,000	8.90E-03
238	1.1547E-06	2.0431E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.71E-09	1,000,000	6.71E-03
239	1.1547E-06	1.2437E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
240	1.1547E-06	8.8053E-06	1.05E-03	9.20E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
241	1.1547E-06	6.6703E-06	1.05E-03	6.97E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
242	1.1547E-06	5.0729E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
243	1.1547E-06	3.9981E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
244	1.1547E-06	3.186E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
245	1.1547E-06	2.5831E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.49E-10	1,000,000	8.49E-04
246	1.1547E-06	2.1292E-06	1.05E-03	2.23E-09	2.00	1.57E-01	6.99E-10	1,000,000	6.99E-04
247	1.1547E-06	1.7822E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.85E-10	1,000,000	5.85E-04
248	1.1547E-06	1.5131E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
249	1.1547E-06	6.0445E-07	1.05E-03	6.32E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
250	1.1547E-06	7.0378E-07	1.05E-03	7.36E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.1547E-06	8.309E-07	1.05E-03	8.68E-10	2.00	1.57E-01	2.73E-10	1,000,000	2.73E-04
252	1.1547E-06	1.0247E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
253	1.1547E-06	1.276E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
254	1.1547E-06	1.7029E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.59E-10	1,000,000	5.59E-04
255	1.1547E-06	2.2569E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.41E-10	1,000,000	7.41E-04
256	1.1547E-06	3.2768E-06	1.05E-03	3.42E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
257	1.1547E-06	4.59E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
258	1.1547E-06	6.5018E-06	1.05E-03	6.80E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
259	1.1547E-06	8.9183E-06	1.05E-03	9.32E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
260	1.1547E-06	8.9459E-06	1.05E-03	9.35E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03
261	1.1547E-06	7.5796E-06	1.05E-03	7.92E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
262	1.1547E-06	6.1064E-06	1.05E-03	6.38E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
263	1.1547E-06	4.9081E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
264	1.1547E-06	4.0108E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
265	1.1547E-06	3.3549E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
266	1.1547E-06	2.7757E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
267	1.1547E-06	2.3165E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.61E-10	1,000,000	7.61E-04
268	1.1547E-06	1.9551E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
269	1.1547E-06	1.6673E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
270	1.1547E-06	1.4361E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
271	1.1547E-06	5.2799E-07	1.05E-03	5.52E-10	2.00	1.57E-01	1.73E-10	1,000,000	1.73E-04
272	1.1547E-06	6.0631E-07	1.05E-03	6.34E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
273	1.1547E-06	7.1406E-07	1.05E-03	7.46E-10	2.00	1.57E-01	2.35E-10	1,000,000	2.35E-04
274	1.1547E-06	8.5294E-07	1.05E-03	8.91E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
275	1.1547E-06	1.0408E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
276	1.1547E-06	1.3229E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
277	1.1547E-06	1.7035E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.60E-10	1,000,000	5.60E-04
278	1.1547E-06	2.1953E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.21E-10	1,000,000	7.21E-04
279	1.1547E-06	2.9345E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.64E-10	1,000,000	9.64E-04
280	1.1547E-06	3.7879E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
281	1.1547E-06	4.6233E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
282	1.1547E-06	5.0693E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
283	1.1547E-06	4.779E-06	1.05E-03	5.00E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.1547E-06	4.029E-06	1.05E-03	4.21E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
285	1.1547E-06	3.5719E-06	1.05E-03	3.73E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
286	1.1547E-06	3.1018E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
287	1.1547E-06	2.69E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.84E-10	1,000,000	8.84E-04
288	1.1547E-06	2.3519E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.73E-10	1,000,000	7.73E-04
289	1.1547E-06	2.0531E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.74E-10	1,000,000	6.74E-04
290	1.1547E-06	1.7596E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
291	1.1547E-06	1.5283E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.02E-10	1,000,000	5.02E-04
292	1.1547E-06	1.3367E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
293	1.1547E-06	4.6467E-07	1.05E-03	4.86E-10	2.00	1.57E-01	1.53E-10	1,000,000	1.53E-04
294	1.1547E-06	5.3123E-07	1.05E-03	5.55E-10	2.00	1.57E-01	1.75E-10	1,000,000	1.75E-04
295	1.1547E-06	6.131E-07	1.05E-03	6.41E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
296	1.1547E-06	7.1096E-07	1.05E-03	7.43E-10	2.00	1.57E-01	2.34E-10	1,000,000	2.34E-04
297	1.1547E-06	8.5788E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
298	1.1547E-06	1.0401E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
299	1.1547E-06	1.2828E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
300	1.1547E-06	1.637E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
301	1.1547E-06	1.9631E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
302	1.1547E-06	2.4671E-06	1.05E-03	2.58E-09	2.00	1.57E-01	8.10E-10	1,000,000	8.10E-04
303	1.1547E-06	2.8784E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.46E-10	1,000,000	9.46E-04
304	1.1547E-06	3.212E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
305	1.1547E-06	3.1666E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
306	1.1547E-06	2.8383E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.32E-10	1,000,000	9.32E-04
307	1.1547E-06	2.5934E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
308	1.1547E-06	2.3399E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
309	1.1547E-06	2.1972E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
310	1.1547E-06	1.9543E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
311	1.1547E-06	1.7526E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
312	1.1547E-06	1.5643E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
313	1.1547E-06	1.3917E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
314	1.1547E-06	1.2431E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.08E-10	1,000,000	4.08E-04
315	1.1547E-06	4.013E-07	1.05E-03	4.19E-10	2.00	1.57E-01	1.32E-10	1,000,000	1.32E-04
316	1.1547E-06	4.5583E-07	1.05E-03	4.76E-10	2.00	1.57E-01	1.50E-10	1,000,000	1.50E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.1547E-06	5.1911E-07	1.05E-03	5.43E-10	2.00	1.57E-01	1.71E-10	1,000,000	1.71E-04
318	1.1547E-06	5.9353E-07	1.05E-03	6.20E-10	2.00	1.57E-01	1.95E-10	1,000,000	1.95E-04
319	1.1547E-06	6.7943E-07	1.05E-03	7.10E-10	2.00	1.57E-01	2.23E-10	1,000,000	2.23E-04
320	1.1547E-06	8.3622E-07	1.05E-03	8.74E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
321	1.1547E-06	9.8311E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
322	1.1547E-06	1.1827E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.89E-10	1,000,000	3.89E-04
323	1.1547E-06	1.4482E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.76E-10	1,000,000	4.76E-04
324	1.1547E-06	1.7099E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.62E-10	1,000,000	5.62E-04
325	1.1547E-06	1.9629E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
326	1.1547E-06	2.1629E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.10E-10	1,000,000	7.10E-04
327	1.1547E-06	2.4969E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.20E-10	1,000,000	8.20E-04
328	1.1547E-06	2.0116E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
329	1.1547E-06	1.8939E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.22E-10	1,000,000	6.22E-04
330	1.1547E-06	1.8117E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.95E-10	1,000,000	5.95E-04
331	1.1547E-06	1.7163E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04
332	1.1547E-06	1.607E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
333	1.1547E-06	1.4757E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.85E-10	1,000,000	4.85E-04
334	1.1547E-06	1.3629E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.48E-10	1,000,000	4.48E-04
335	1.1547E-06	1.2425E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.08E-10	1,000,000	4.08E-04
336	1.1547E-06	1.1364E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04
337	1.1547E-06	3.5533E-07	1.05E-03	3.71E-10	2.00	1.57E-01	1.17E-10	1,000,000	1.17E-04
338	1.1547E-06	3.9651E-07	1.05E-03	4.14E-10	2.00	1.57E-01	1.30E-10	1,000,000	1.30E-04
339	1.1547E-06	4.4007E-07	1.05E-03	4.60E-10	2.00	1.57E-01	1.45E-10	1,000,000	1.45E-04
340	1.1547E-06	5.0423E-07	1.05E-03	5.27E-10	2.00	1.57E-01	1.66E-10	1,000,000	1.66E-04
341	1.1547E-06	5.6838E-07	1.05E-03	5.94E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
342	1.1547E-06	6.7899E-07	1.05E-03	7.10E-10	2.00	1.57E-01	2.23E-10	1,000,000	2.23E-04
343	1.1547E-06	7.7435E-07	1.05E-03	8.09E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
344	1.1547E-06	9.1184E-07	1.05E-03	9.53E-10	2.00	1.57E-01	3.00E-10	1,000,000	3.00E-04
345	1.1547E-06	1.0699E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.51E-10	1,000,000	3.51E-04
346	1.1547E-06	1.2639E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
347	1.1547E-06	1.3988E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.59E-10	1,000,000	4.59E-04
348	1.1547E-06	1.5231E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
349	1.1547E-06	1.4213E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.1547E-06	1.4171E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
351	1.1547E-06	1.3992E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.60E-10	1,000,000	4.60E-04
352	1.1547E-06	1.323E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
353	1.1547E-06	1.3393E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
354	1.1547E-06	1.2801E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
355	1.1547E-06	1.2278E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
356	1.1547E-06	1.1637E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
357	1.1547E-06	1.0862E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.57E-10	1,000,000	3.57E-04
358	1.1547E-06	1.0138E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
359	1.1547E-06	3.0878E-07	1.05E-03	3.23E-10	2.00	1.57E-01	1.01E-10	1,000,000	1.01E-04
360	1.1547E-06	3.4379E-07	1.05E-03	3.59E-10	2.00	1.57E-01	1.13E-10	1,000,000	1.13E-04
361	1.1547E-06	3.81E-07	1.05E-03	3.98E-10	2.00	1.57E-01	1.25E-10	1,000,000	1.25E-04
362	1.1547E-06	4.2431E-07	1.05E-03	4.43E-10	2.00	1.57E-01	1.39E-10	1,000,000	1.39E-04
363	1.1547E-06	4.7068E-07	1.05E-03	4.92E-10	2.00	1.57E-01	1.55E-10	1,000,000	1.55E-04
364	1.1547E-06	5.4198E-07	1.05E-03	5.66E-10	2.00	1.57E-01	1.78E-10	1,000,000	1.78E-04
365	1.1547E-06	6.2404E-07	1.05E-03	6.52E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
366	1.1547E-06	7.2337E-07	1.05E-03	7.56E-10	2.00	1.57E-01	2.38E-10	1,000,000	2.38E-04
367	1.1547E-06	8.4878E-07	1.05E-03	8.87E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
368	1.1547E-06	9.5244E-07	1.05E-03	9.95E-10	2.00	1.57E-01	3.13E-10	1,000,000	3.13E-04
369	1.1547E-06	1.0214E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
370	1.1547E-06	1.0466E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
371	1.1547E-06	1.0824E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
372	1.1547E-06	1.0836E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
373	1.1547E-06	1.0442E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.43E-10	1,000,000	3.43E-04
374	1.1547E-06	1.0028E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
375	1.1547E-06	1.0246E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
376	1.1547E-06	1.001E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
377	1.1547E-06	9.8952E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
378	1.1547E-06	9.908E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
379	1.1547E-06	9.4508E-07	1.05E-03	9.88E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
380	1.1547E-06	8.8732E-07	1.05E-03	9.27E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
381	1.1547E-06	1.1635E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
382	1.1547E-06	1.3272E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.36E-10	1,000,000	4.36E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.1547E-06	1.5225E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
384	1.1547E-06	1.754E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
385	1.1547E-06	2.0251E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.65E-10	1,000,000	6.65E-04
386	1.1547E-06	2.3319E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.66E-10	1,000,000	7.66E-04
387	1.1547E-06	2.6598E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.74E-10	1,000,000	8.74E-04
388	1.1547E-06	2.9823E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.80E-10	1,000,000	9.80E-04
389	1.1547E-06	3.2487E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
390	1.1547E-06	3.4022E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
391	1.1547E-06	3.3991E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
392	1.1547E-06	3.2387E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
393	1.1547E-06	2.9586E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.72E-10	1,000,000	9.72E-04
394	1.1547E-06	2.6238E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.62E-10	1,000,000	8.62E-04
395	1.1547E-06	2.277E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.48E-10	1,000,000	7.48E-04
396	1.1547E-06	1.9619E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.44E-10	1,000,000	6.44E-04
397	1.1547E-06	1.6901E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
398	1.1547E-06	1.4609E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.80E-10	1,000,000	4.80E-04
399	1.1547E-06	1.2591E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
400	1.1547E-06	1.4573E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.79E-10	1,000,000	4.79E-04
401	1.1547E-06	1.7022E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.59E-10	1,000,000	5.59E-04
402	1.1547E-06	2.0056E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.59E-10	1,000,000	6.59E-04
403	1.1547E-06	2.3792E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
404	1.1547E-06	2.8297E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.30E-10	1,000,000	9.30E-04
405	1.1547E-06	3.353E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
406	1.1547E-06	3.9113E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
407	1.1547E-06	4.4118E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
408	1.1547E-06	4.7275E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
409	1.1547E-06	4.7356E-06	1.05E-03	4.95E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
410	1.1547E-06	4.4242E-06	1.05E-03	4.62E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
411	1.1547E-06	3.9114E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
412	1.1547E-06	3.3306E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
413	1.1547E-06	2.7767E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
414	1.1547E-06	2.3109E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.59E-10	1,000,000	7.59E-04
415	1.1547E-06	1.9341E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.1547E-06	1.6305E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.36E-10	1,000,000	5.36E-04
417	1.1547E-06	1.3467E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.42E-10	1,000,000	4.42E-04
418	1.1547E-06	1.5822E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
419	1.1547E-06	1.8873E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.20E-10	1,000,000	6.20E-04
420	1.1547E-06	2.2784E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.48E-10	1,000,000	7.48E-04
421	1.1547E-06	2.7904E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
422	1.1547E-06	3.4625E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
423	1.1547E-06	4.3263E-06	1.05E-03	4.52E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
424	1.1547E-06	5.3617E-06	1.05E-03	5.60E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
425	1.1547E-06	6.4008E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
426	1.1547E-06	7.12E-06	1.05E-03	7.44E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
427	1.1547E-06	7.1544E-06	1.05E-03	7.48E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
428	1.1547E-06	6.5078E-06	1.05E-03	6.80E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
429	1.1547E-06	5.4414E-06	1.05E-03	5.69E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
430	1.1547E-06	4.3315E-06	1.05E-03	4.53E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
431	1.1547E-06	3.4141E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
432	1.1547E-06	2.7214E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.94E-10	1,000,000	8.94E-04
433	1.1547E-06	2.2153E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
434	1.1547E-06	1.8273E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
435	1.1547E-06	1.3618E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
436	1.1547E-06	1.6544E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.43E-10	1,000,000	5.43E-04
437	1.1547E-06	2.0531E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.74E-10	1,000,000	6.74E-04
438	1.1547E-06	2.5551E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.39E-10	1,000,000	8.39E-04
439	1.1547E-06	3.2383E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
440	1.1547E-06	4.2187E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
441	1.1547E-06	5.6504E-06	1.05E-03	5.91E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
442	1.1547E-06	7.704E-06	1.05E-03	8.05E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
443	1.1547E-06	1.0267E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
444	1.1547E-06	1.2286E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
445	1.1547E-06	1.248E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
446	1.1547E-06	1.0818E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
447	1.1547E-06	8.1647E-06	1.05E-03	8.53E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
448	1.1547E-06	5.8038E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.1547E-06	4.2291E-06	1.05E-03	4.42E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
450	1.1547E-06	3.2084E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
451	1.1547E-06	2.5082E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.24E-10	1,000,000	8.24E-04
452	1.1547E-06	2.0292E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
453	1.1547E-06	1.3544E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
454	1.1547E-06	1.6597E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
455	1.1547E-06	2.1234E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.98E-10	1,000,000	6.98E-04
456	1.1547E-06	2.7642E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.08E-10	1,000,000	9.08E-04
457	1.1547E-06	3.6602E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
458	1.1547E-06	5.0252E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
459	1.1547E-06	7.3133E-06	1.05E-03	7.64E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
460	1.1547E-06	1.1521E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
461	1.1547E-06	1.9491E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.40E-09	1,000,000	6.40E-03
462	1.1547E-06	2.8139E-05	1.05E-03	2.94E-08	2.00	1.57E-01	9.24E-09	1,000,000	9.24E-03
463	1.1547E-06	2.9045E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.54E-09	1,000,000	9.54E-03
464	1.1547E-06	2.3735E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.80E-09	1,000,000	7.80E-03
465	1.1547E-06	1.3975E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.59E-09	1,000,000	4.59E-03
466	1.1547E-06	7.9954E-06	1.05E-03	8.36E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
467	1.1547E-06	5.2256E-06	1.05E-03	5.46E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
468	1.1547E-06	3.7367E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
469	1.1547E-06	2.8332E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.31E-10	1,000,000	9.31E-04
470	1.1547E-06	2.2382E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
471	1.1547E-06	1.2815E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
472	1.1547E-06	1.6246E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.34E-10	1,000,000	5.34E-04
473	1.1547E-06	2.1033E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.91E-10	1,000,000	6.91E-04
474	1.1547E-06	2.75E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.03E-10	1,000,000	9.03E-04
475	1.1547E-06	3.7382E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
476	1.1547E-06	1.0483E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
477	1.1547E-06	6.1637E-06	1.05E-03	6.44E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
478	1.1547E-06	4.2338E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
479	1.1547E-06	3.1295E-06	1.05E-03	3.27E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
480	1.1547E-06	2.4268E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.97E-10	1,000,000	7.97E-04
481	1.1547E-06	1.185E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.89E-10	1,000,000	3.89E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.1547E-06	1.5382E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
483	1.1547E-06	1.9447E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.39E-10	1,000,000	6.39E-04
484	1.1547E-06	2.5828E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.48E-10	1,000,000	8.48E-04
485	1.1547E-06	3.7499E-06	1.05E-03	3.92E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
486	1.1547E-06	1.0288E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
487	1.1547E-06	6.4252E-06	1.05E-03	6.72E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
488	1.1547E-06	4.4379E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
489	1.1547E-06	3.2858E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
490	1.1547E-06	2.545E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
491	1.1547E-06	1.0663E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.50E-10	1,000,000	3.50E-04
492	1.1547E-06	1.3506E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
493	1.1547E-06	1.7058E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.60E-10	1,000,000	5.60E-04
494	1.1547E-06	2.2915E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.53E-10	1,000,000	7.53E-04
495	1.1547E-06	3.3145E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
496	1.1547E-06	1.7646E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
497	1.1547E-06	5.7831E-05	1.05E-03	6.04E-08	2.00	1.57E-01	1.90E-08	1,000,000	1.90E-02
498	1.1547E-06	1.2192E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
499	1.1547E-06	8.309E-06	1.05E-03	8.68E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
500	1.1547E-06	5.8187E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
501	1.1547E-06	4.254E-06	1.05E-03	4.45E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
502	1.1547E-06	3.2352E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
503	1.1547E-06	2.5445E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
504	1.1547E-06	9.4304E-07	1.05E-03	9.86E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
505	1.1547E-06	1.1421E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
506	1.1547E-06	1.5082E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.95E-10	1,000,000	4.95E-04
507	1.1547E-06	1.9341E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04
508	1.1547E-06	2.7906E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
509	1.1547E-06	4.0684E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
510	1.1547E-06	6.5394E-06	1.05E-03	6.84E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
511	1.1547E-06	1.2161E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.99E-09	1,000,000	3.99E-03
512	1.1547E-06	3.222E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
513	1.1547E-06	3.9023E-05	1.05E-03	4.08E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
514	1.1547E-06	2.0308E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.67E-09	1,000,000	6.67E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.1547E-06	1.2544E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.12E-09	1,000,000	4.12E-03
516	1.1547E-06	8.909E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
517	1.1547E-06	6.5583E-06	1.05E-03	6.85E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
518	1.1547E-06	4.9446E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
519	1.1547E-06	3.8161E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
520	1.1547E-06	3.0126E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.90E-10	1,000,000	9.90E-04
521	1.1547E-06	2.4298E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.98E-10	1,000,000	7.98E-04
522	1.1547E-06	8.1649E-07	1.05E-03	8.53E-10	2.00	1.57E-01	2.68E-10	1,000,000	2.68E-04
523	1.1547E-06	1.0088E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
524	1.1547E-06	1.2691E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
525	1.1547E-06	1.6234E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.33E-10	1,000,000	5.33E-04
526	1.1547E-06	2.0775E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
527	1.1547E-06	3.1182E-06	1.05E-03	3.26E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
528	1.1547E-06	4.5873E-06	1.05E-03	4.79E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
529	1.1547E-06	7.2481E-06	1.05E-03	7.58E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
530	1.1547E-06	1.1862E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.90E-09	1,000,000	3.90E-03
531	1.1547E-06	1.4275E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
532	1.1547E-06	1.1197E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
533	1.1547E-06	8.5217E-06	1.05E-03	8.91E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
534	1.1547E-06	6.4328E-06	1.05E-03	6.72E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
535	1.1547E-06	5.1196E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
536	1.1547E-06	4.0885E-06	1.05E-03	4.27E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
537	1.1547E-06	3.3039E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
538	1.1547E-06	2.6997E-06	1.05E-03	2.82E-09	2.00	1.57E-01	8.87E-10	1,000,000	8.87E-04
539	1.1547E-06	2.2371E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
540	1.1547E-06	7.0773E-07	1.05E-03	7.40E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
541	1.1547E-06	8.577E-07	1.05E-03	8.96E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
542	1.1547E-06	1.0522E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
543	1.1547E-06	1.3161E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.32E-10	1,000,000	4.32E-04
544	1.1547E-06	1.7374E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.71E-10	1,000,000	5.71E-04
545	1.1547E-06	2.26E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.42E-10	1,000,000	7.42E-04
546	1.1547E-06	3.1267E-06	1.05E-03	3.27E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
547	1.1547E-06	4.2355E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.1547E-06	5.7461E-06	1.05E-03	6.01E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
549	1.1547E-06	6.5825E-06	1.05E-03	6.88E-09	2.00	1.57E-01	2.16E-09	1,000,000	2.16E-03
550	1.1547E-06	6.3679E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
551	1.1547E-06	5.8152E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
552	1.1547E-06	4.6112E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
553	1.1547E-06	3.8402E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
554	1.1547E-06	3.2408E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
555	1.1547E-06	2.8079E-06	1.05E-03	2.93E-09	2.00	1.57E-01	9.22E-10	1,000,000	9.22E-04
556	1.1547E-06	2.3651E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.77E-10	1,000,000	7.77E-04
557	1.1547E-06	2.0093E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.60E-10	1,000,000	6.60E-04
558	1.1547E-06	6.1511E-07	1.05E-03	6.43E-10	2.00	1.57E-01	2.02E-10	1,000,000	2.02E-04
559	1.1547E-06	7.3362E-07	1.05E-03	7.67E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
560	1.1547E-06	8.6021E-07	1.05E-03	8.99E-10	2.00	1.57E-01	2.83E-10	1,000,000	2.83E-04
561	1.1547E-06	1.0553E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
562	1.1547E-06	1.2813E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
563	1.1547E-06	1.6127E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.30E-10	1,000,000	5.30E-04
564	1.1547E-06	2.1397E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.03E-10	1,000,000	7.03E-04
565	1.1547E-06	2.6833E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.81E-10	1,000,000	8.81E-04
566	1.1547E-06	3.3697E-06	1.05E-03	3.52E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
567	1.1547E-06	3.7895E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
568	1.1547E-06	4.0129E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
569	1.1547E-06	3.5662E-06	1.05E-03	3.73E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
570	1.1547E-06	3.1613E-06	1.05E-03	3.30E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
571	1.1547E-06	2.8747E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.44E-10	1,000,000	9.44E-04
572	1.1547E-06	2.5937E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
573	1.1547E-06	2.2838E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.50E-10	1,000,000	7.50E-04
574	1.1547E-06	2.0195E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.63E-10	1,000,000	6.63E-04
575	1.1547E-06	1.7787E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.84E-10	1,000,000	5.84E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.1547E-06	8.0767E-07	6.05E-04	4.89E-10	14.00	4.71E-02	3.23E-10	1,000,000	3.2E-04
2	1.1547E-06	8.8987E-07	6.05E-04	5.38E-10	14.00	4.71E-02	3.55E-10	1,000,000	3.55E-04
3	1.1547E-06	9.8213E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
4	1.1547E-06	1.0844E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
5	1.1547E-06	1.1968E-06	6.05E-04	7.24E-10	14.00	4.71E-02	4.78E-10	1,000,000	4.78E-04
6	1.1547E-06	1.3176E-06	6.05E-04	7.97E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
7	1.1547E-06	1.442E-06	6.05E-04	8.72E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
8	1.1547E-06	1.5644E-06	6.05E-04	9.47E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
9	1.1547E-06	1.6776E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.70E-10	1,000,000	6.70E-04
10	1.1547E-06	1.7687E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.06E-10	1,000,000	7.06E-04
11	1.1547E-06	1.8269E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.30E-10	1,000,000	7.30E-04
12	1.1547E-06	1.8446E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.37E-10	1,000,000	7.37E-04
13	1.1547E-06	1.8182E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.26E-10	1,000,000	7.26E-04
14	1.1547E-06	1.7511E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.99E-10	1,000,000	6.99E-04
15	1.1547E-06	1.6525E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.60E-10	1,000,000	6.60E-04
16	1.1547E-06	1.5321E-06	6.05E-04	9.27E-10	14.00	4.71E-02	6.12E-10	1,000,000	6.12E-04
17	1.1547E-06	1.4059E-06	6.05E-04	8.51E-10	14.00	4.71E-02	5.61E-10	1,000,000	5.61E-04
18	1.1547E-06	1.279E-06	6.05E-04	7.74E-10	14.00	4.71E-02	5.11E-10	1,000,000	5.11E-04
19	1.1547E-06	1.1566E-06	6.05E-04	7.00E-10	14.00	4.71E-02	4.62E-10	1,000,000	4.62E-04
20	1.1547E-06	1.0461E-06	6.05E-04	6.33E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
21	1.1547E-06	9.4563E-07	6.05E-04	5.72E-10	14.00	4.71E-02	3.78E-10	1,000,000	3.78E-04
22	1.1547E-06	8.5475E-07	6.05E-04	5.17E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
23	1.1547E-06	8.6998E-07	6.05E-04	5.26E-10	14.00	4.71E-02	3.47E-10	1,000,000	3.47E-04
24	1.1547E-06	9.6805E-07	6.05E-04	5.86E-10	14.00	4.71E-02	3.87E-10	1,000,000	3.87E-04
25	1.1547E-06	1.0805E-06	6.05E-04	6.54E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
26	1.1547E-06	1.2089E-06	6.05E-04	7.31E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.1547E-06	1.3537E-06	6.05E-04	8.19E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
28	1.1547E-06	1.5153E-06	6.05E-04	9.17E-10	14.00	4.71E-02	6.05E-10	1,000,000	6.05E-04
29	1.1547E-06	1.6873E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.74E-10	1,000,000	6.74E-04
30	1.1547E-06	1.8654E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.45E-10	1,000,000	7.45E-04
31	1.1547E-06	2.0333E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.12E-10	1,000,000	8.12E-04
32	1.1547E-06	2.1741E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.68E-10	1,000,000	8.68E-04
33	1.1547E-06	2.266E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.05E-10	1,000,000	9.05E-04
34	1.1547E-06	2.2979E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.18E-10	1,000,000	9.18E-04
35	1.1547E-06	2.2598E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.02E-10	1,000,000	9.02E-04
36	1.1547E-06	2.1582E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
37	1.1547E-06	2.0012E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.99E-10	1,000,000	7.99E-04
38	1.1547E-06	1.824E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.28E-10	1,000,000	7.28E-04
39	1.1547E-06	1.6447E-06	6.05E-04	9.95E-10	14.00	4.71E-02	6.57E-10	1,000,000	6.57E-04
40	1.1547E-06	1.4695E-06	6.05E-04	8.89E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
41	1.1547E-06	1.3068E-06	6.05E-04	7.91E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
42	1.1547E-06	1.1618E-06	6.05E-04	7.03E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
43	1.1547E-06	1.0347E-06	6.05E-04	6.26E-10	14.00	4.71E-02	4.13E-10	1,000,000	4.13E-04
44	1.1547E-06	9.2961E-07	6.05E-04	5.62E-10	14.00	4.71E-02	3.71E-10	1,000,000	3.71E-04
45	1.1547E-06	9.3395E-07	6.05E-04	5.65E-10	14.00	4.71E-02	3.73E-10	1,000,000	3.73E-04
46	1.1547E-06	1.05E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
47	1.1547E-06	1.1866E-06	6.05E-04	7.18E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
48	1.1547E-06	1.3471E-06	6.05E-04	8.15E-10	14.00	4.71E-02	5.38E-10	1,000,000	5.38E-04
49	1.1547E-06	1.5345E-06	6.05E-04	9.28E-10	14.00	4.71E-02	6.13E-10	1,000,000	6.13E-04
50	1.1547E-06	1.7505E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.99E-10	1,000,000	6.99E-04
51	1.1547E-06	1.9937E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.96E-10	1,000,000	7.96E-04
52	1.1547E-06	2.2553E-06	6.05E-04	1.36E-09	14.00	4.71E-02	9.01E-10	1,000,000	9.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.1547E-06	2.5181E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
54	1.1547E-06	2.7468E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
55	1.1547E-06	2.9057E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
56	1.1547E-06	2.9615E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
57	1.1547E-06	2.8976E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
58	1.1547E-06	2.7349E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
59	1.1547E-06	2.4822E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.91E-10	1,000,000	9.91E-04
60	1.1547E-06	2.2072E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.81E-10	1,000,000	8.81E-04
61	1.1547E-06	1.9423E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.76E-10	1,000,000	7.76E-04
62	1.1547E-06	1.6949E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.77E-10	1,000,000	6.77E-04
63	1.1547E-06	1.4782E-06	6.05E-04	8.94E-10	14.00	4.71E-02	5.90E-10	1,000,000	5.90E-04
64	1.1547E-06	1.2937E-06	6.05E-04	7.83E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
65	1.1547E-06	1.139E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
66	1.1547E-06	1.0089E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
67	1.1547E-06	9.9739E-07	6.05E-04	6.03E-10	14.00	4.71E-02	3.98E-10	1,000,000	3.98E-04
68	1.1547E-06	1.1333E-06	6.05E-04	6.86E-10	14.00	4.71E-02	4.53E-10	1,000,000	4.53E-04
69	1.1547E-06	1.2973E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
70	1.1547E-06	1.4961E-06	6.05E-04	9.05E-10	14.00	4.71E-02	5.97E-10	1,000,000	5.97E-04
71	1.1547E-06	1.7373E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.94E-10	1,000,000	6.94E-04
72	1.1547E-06	2.0285E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.10E-10	1,000,000	8.10E-04
73	1.1547E-06	2.3748E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.48E-10	1,000,000	9.48E-04
74	1.1547E-06	2.77E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
75	1.1547E-06	3.1939E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
76	1.1547E-06	3.5957E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
77	1.1547E-06	3.8957E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
78	1.1547E-06	4.0149E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
79	1.1547E-06	3.8973E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
80	1.1547E-06	3.5885E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
81	1.1547E-06	3.1662E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
82	1.1547E-06	2.7278E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
83	1.1547E-06	2.3146E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.24E-10	1,000,000	9.24E-04
84	1.1547E-06	1.9647E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.85E-10	1,000,000	7.85E-04
85	1.1547E-06	1.6662E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.65E-10	1,000,000	6.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.1547E-06	1.4375E-06	6.05E-04	8.70E-10	14.00	4.71E-02	5.74E-10	1,000,000	5.74E-04
87	1.1547E-06	1.2465E-06	6.05E-04	7.54E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
88	1.1547E-06	1.0919E-06	6.05E-04	6.61E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
89	1.1547E-06	1.0547E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
90	1.1547E-06	1.2143E-06	6.05E-04	7.35E-10	14.00	4.71E-02	4.85E-10	1,000,000	4.85E-04
91	1.1547E-06	1.4081E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.62E-10	1,000,000	5.62E-04
92	1.1547E-06	1.6506E-06	6.05E-04	9.99E-10	14.00	4.71E-02	6.59E-10	1,000,000	6.59E-04
93	1.1547E-06	1.957E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.82E-10	1,000,000	7.82E-04
94	1.1547E-06	2.3464E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.37E-10	1,000,000	9.37E-04
95	1.1547E-06	2.8395E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
96	1.1547E-06	3.4517E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
97	1.1547E-06	4.1749E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
98	1.1547E-06	4.9299E-06	6.05E-04	2.98E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
99	1.1547E-06	5.5398E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
100	1.1547E-06	5.7958E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
101	1.1547E-06	5.5746E-06	6.05E-04	3.37E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
102	1.1547E-06	4.962E-06	6.05E-04	3.00E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
103	1.1547E-06	4.1781E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
104	1.1547E-06	3.4118E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
105	1.1547E-06	2.7785E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
106	1.1547E-06	2.2774E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.09E-10	1,000,000	9.09E-04
107	1.1547E-06	1.8896E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
108	1.1547E-06	1.5921E-06	6.05E-04	9.63E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
109	1.1547E-06	1.3596E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
110	1.1547E-06	1.178E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
111	1.1547E-06	1.0779E-06	6.05E-04	6.52E-10	14.00	4.71E-02	4.30E-10	1,000,000	4.30E-04
112	1.1547E-06	1.2754E-06	6.05E-04	7.72E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
113	1.1547E-06	1.4837E-06	6.05E-04	8.98E-10	14.00	4.71E-02	5.92E-10	1,000,000	5.92E-04
114	1.1547E-06	1.7743E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.09E-10	1,000,000	7.09E-04
115	1.1547E-06	2.1818E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.71E-10	1,000,000	8.71E-04
116	1.1547E-06	2.6922E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
117	1.1547E-06	3.3872E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
118	1.1547E-06	4.3428E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.1547E-06	5.6258E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
120	1.1547E-06	7.1963E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
121	1.1547E-06	8.6757E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
122	1.1547E-06	9.3351E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
123	1.1547E-06	8.8384E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
124	1.1547E-06	7.4281E-06	6.05E-04	4.49E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
125	1.1547E-06	5.7555E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
126	1.1547E-06	4.3465E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
127	1.1547E-06	3.3417E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
128	1.1547E-06	2.6352E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
129	1.1547E-06	2.1265E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.49E-10	1,000,000	8.49E-04
130	1.1547E-06	1.7585E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
131	1.1547E-06	1.4793E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
132	1.1547E-06	1.2667E-06	6.05E-04	7.66E-10	14.00	4.71E-02	5.06E-10	1,000,000	5.06E-04
133	1.1547E-06	1.0634E-06	6.05E-04	6.43E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04
134	1.1547E-06	1.2571E-06	6.05E-04	7.61E-10	14.00	4.71E-02	5.02E-10	1,000,000	5.02E-04
135	1.1547E-06	1.498E-06	6.05E-04	9.06E-10	14.00	4.71E-02	5.98E-10	1,000,000	5.98E-04
136	1.1547E-06	1.8758E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.49E-10	1,000,000	7.49E-04
137	1.1547E-06	2.3867E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.53E-10	1,000,000	9.53E-04
138	1.1547E-06	3.0358E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
139	1.1547E-06	3.9807E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
140	1.1547E-06	5.4315E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
141	1.1547E-06	7.7464E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
142	1.1547E-06	1.1429E-05	6.05E-04	6.92E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
143	1.1547E-06	1.5994E-05	6.05E-04	9.68E-09	14.00	4.71E-02	6.39E-09	1,000,000	6.39E-03
144	1.1547E-06	1.8268E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.30E-09	1,000,000	7.30E-03
145	1.1547E-06	1.6928E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.76E-09	1,000,000	6.76E-03
146	1.1547E-06	1.2795E-05	6.05E-04	7.74E-09	14.00	4.71E-02	5.11E-09	1,000,000	5.11E-03
147	1.1547E-06	8.3928E-06	6.05E-04	5.08E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
148	1.1547E-06	5.6069E-06	6.05E-04	3.39E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.24E-03
149	1.1547E-06	4.0175E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
150	1.1547E-06	3.0277E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
151	1.1547E-06	2.3771E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.49E-10	1,000,000	9.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.1547E-06	1.9291E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.70E-10	1,000,000	7.70E-04
153	1.1547E-06	1.6014E-06	6.05E-04	9.69E-10	14.00	4.71E-02	6.40E-10	1,000,000	6.40E-04
154	1.1547E-06	1.3556E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
155	1.1547E-06	9.7266E-07	6.05E-04	5.89E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
156	1.1547E-06	1.1763E-06	6.05E-04	7.12E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
157	1.1547E-06	1.4803E-06	6.05E-04	8.96E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
158	1.1547E-06	1.8318E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
159	1.1547E-06	2.3905E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.55E-10	1,000,000	9.55E-04
160	1.1547E-06	3.185E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
161	1.1547E-06	4.4219E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
162	1.1547E-06	6.5489E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
163	1.1547E-06	1.0491E-05	6.05E-04	6.35E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
164	1.1547E-06	1.9814E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.91E-09	1,000,000	7.91E-03
165	1.1547E-06	4.6051E-05	6.05E-04	2.79E-08	14.00	4.71E-02	1.84E-08	1,000,000	1.84E-02
166	1.1547E-06	5.88E-05	6.05E-04	3.56E-08	14.00	4.71E-02	2.35E-08	1,000,000	2.35E-02
167	1.1547E-06	5.4943E-05	6.05E-04	3.32E-08	14.00	4.71E-02	2.19E-08	1,000,000	2.19E-02
168	1.1547E-06	3.3853E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
169	1.1547E-06	1.3007E-05	6.05E-04	7.87E-09	14.00	4.71E-02	5.19E-09	1,000,000	5.19E-03
170	1.1547E-06	7.1704E-06	6.05E-04	4.34E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
171	1.1547E-06	4.7287E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
172	1.1547E-06	3.4342E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
173	1.1547E-06	2.6301E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
174	1.1547E-06	2.096E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.37E-10	1,000,000	8.37E-04
175	1.1547E-06	1.7206E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.87E-10	1,000,000	6.87E-04
176	1.1547E-06	1.4427E-06	6.05E-04	8.73E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
177	1.1547E-06	9.1754E-07	6.05E-04	5.55E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
178	1.1547E-06	1.1349E-06	6.05E-04	6.87E-10	14.00	4.71E-02	4.53E-10	1,000,000	4.53E-04
179	1.1547E-06	1.446E-06	6.05E-04	8.75E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
180	1.1547E-06	1.856E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.41E-10	1,000,000	7.41E-04
181	1.1547E-06	2.4176E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.65E-10	1,000,000	9.65E-04
182	1.1547E-06	3.2323E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
183	1.1547E-06	4.6078E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
184	1.1547E-06	1.5567E-05	6.05E-04	9.42E-09	14.00	4.71E-02	6.22E-09	1,000,000	6.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.1547E-06	8.1294E-06	6.05E-04	4.92E-09	14.00	4.71E-02	3.25E-09	1,000,000	3.25E-03
186	1.1547E-06	5.2502E-06	6.05E-04	3.18E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
187	1.1547E-06	3.7344E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
188	1.1547E-06	2.8234E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
189	1.1547E-06	2.2296E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.90E-10	1,000,000	8.90E-04
190	1.1547E-06	1.8155E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.25E-10	1,000,000	7.25E-04
191	1.1547E-06	1.5128E-06	6.05E-04	9.15E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
192	1.1547E-06	8.405E-07	6.05E-04	5.09E-10	14.00	4.71E-02	3.36E-10	1,000,000	3.36E-04
193	1.1547E-06	1.0209E-06	6.05E-04	6.18E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
194	1.1547E-06	1.2963E-06	6.05E-04	7.84E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
195	1.1547E-06	1.6727E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
196	1.1547E-06	2.24E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.95E-10	1,000,000	8.95E-04
197	1.1547E-06	3.0017E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
198	1.1547E-06	4.3615E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
199	1.1547E-06	3.0461E-05	6.05E-04	1.84E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
200	1.1547E-06	1.1757E-05	6.05E-04	7.11E-09	14.00	4.71E-02	4.70E-09	1,000,000	4.70E-03
201	1.1547E-06	7.5334E-06	6.05E-04	4.56E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
202	1.1547E-06	5.1679E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
203	1.1547E-06	3.7758E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
204	1.1547E-06	2.887E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
205	1.1547E-06	2.2883E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.14E-10	1,000,000	9.14E-04
206	1.1547E-06	1.865E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.45E-10	1,000,000	7.45E-04
207	1.1547E-06	1.5548E-06	6.05E-04	9.41E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
208	1.1547E-06	7.6018E-07	6.05E-04	4.60E-10	14.00	4.71E-02	3.04E-10	1,000,000	3.04E-04
209	1.1547E-06	9.2006E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.67E-10	1,000,000	3.67E-04
210	1.1547E-06	1.0998E-06	6.05E-04	6.65E-10	14.00	4.71E-02	4.39E-10	1,000,000	4.39E-04
211	1.1547E-06	1.4231E-06	6.05E-04	8.61E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
212	1.1547E-06	1.8428E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
213	1.1547E-06	2.5382E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
214	1.1547E-06	3.78E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
215	1.1547E-06	5.8385E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
216	1.1547E-06	1.0776E-05	6.05E-04	6.52E-09	14.00	4.71E-02	4.30E-09	1,000,000	4.30E-03
217	1.1547E-06	2.4259E-05	6.05E-04	1.47E-08	14.00	4.71E-02	9.69E-09	1,000,000	9.69E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.1547E-06	1.2391E-05	6.05E-04	7.50E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
219	1.1547E-06	8.7202E-06	6.05E-04	5.28E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
220	1.1547E-06	6.2829E-06	6.05E-04	3.80E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
221	1.1547E-06	4.6559E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
222	1.1547E-06	3.5554E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
223	1.1547E-06	2.7934E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
224	1.1547E-06	2.2507E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.99E-10	1,000,000	8.99E-04
225	1.1547E-06	1.8529E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.40E-10	1,000,000	7.40E-04
226	1.1547E-06	1.5548E-06	6.05E-04	9.41E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
227	1.1547E-06	6.7704E-07	6.05E-04	4.10E-10	14.00	4.71E-02	2.70E-10	1,000,000	2.70E-04
228	1.1547E-06	8.0216E-07	6.05E-04	4.85E-10	14.00	4.71E-02	3.20E-10	1,000,000	3.20E-04
229	1.1547E-06	9.6583E-07	6.05E-04	5.84E-10	14.00	4.71E-02	3.86E-10	1,000,000	3.86E-04
230	1.1547E-06	1.2048E-06	6.05E-04	7.29E-10	14.00	4.71E-02	4.81E-10	1,000,000	4.81E-04
231	1.1547E-06	1.5512E-06	6.05E-04	9.39E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
232	1.1547E-06	2.0166E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.05E-10	1,000,000	8.05E-04
233	1.1547E-06	2.9531E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
234	1.1547E-06	4.388E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
235	1.1547E-06	7.2389E-06	6.05E-04	4.38E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
236	1.1547E-06	1.3371E-05	6.05E-04	8.09E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
237	1.1547E-06	2.71E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
238	1.1547E-06	2.0431E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.16E-09	1,000,000	8.16E-03
239	1.1547E-06	1.2437E-05	6.05E-04	7.53E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
240	1.1547E-06	8.8053E-06	6.05E-04	5.33E-09	14.00	4.71E-02	3.52E-09	1,000,000	3.52E-03
241	1.1547E-06	6.6703E-06	6.05E-04	4.04E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
242	1.1547E-06	5.0729E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
243	1.1547E-06	3.9981E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
244	1.1547E-06	3.186E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
245	1.1547E-06	2.5831E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
246	1.1547E-06	2.1292E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.50E-10	1,000,000	8.50E-04
247	1.1547E-06	1.7822E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.12E-10	1,000,000	7.12E-04
248	1.1547E-06	1.5131E-06	6.05E-04	9.16E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
249	1.1547E-06	6.0445E-07	6.05E-04	3.66E-10	14.00	4.71E-02	2.41E-10	1,000,000	2.41E-04
250	1.1547E-06	7.0378E-07	6.05E-04	4.26E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.1547E-06	8.309E-07	6.05E-04	5.03E-10	14.00	4.71E-02	3.32E-10	1,000,000	3.32E-04
252	1.1547E-06	1.0247E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
253	1.1547E-06	1.276E-06	6.05E-04	7.72E-10	14.00	4.71E-02	5.10E-10	1,000,000	5.10E-04
254	1.1547E-06	1.7029E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.80E-10	1,000,000	6.80E-04
255	1.1547E-06	2.2569E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.01E-10	1,000,000	9.01E-04
256	1.1547E-06	3.2768E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
257	1.1547E-06	4.59E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
258	1.1547E-06	6.5018E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
259	1.1547E-06	8.9183E-06	6.05E-04	5.40E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
260	1.1547E-06	8.9459E-06	6.05E-04	5.41E-09	14.00	4.71E-02	3.57E-09	1,000,000	3.57E-03
261	1.1547E-06	7.5796E-06	6.05E-04	4.59E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
262	1.1547E-06	6.1064E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
263	1.1547E-06	4.9081E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
264	1.1547E-06	4.0108E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
265	1.1547E-06	3.3549E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
266	1.1547E-06	2.7757E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
267	1.1547E-06	2.3165E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.25E-10	1,000,000	9.25E-04
268	1.1547E-06	1.9551E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
269	1.1547E-06	1.6673E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.66E-10	1,000,000	6.66E-04
270	1.1547E-06	1.4361E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.74E-10	1,000,000	5.74E-04
271	1.1547E-06	5.2799E-07	6.05E-04	3.19E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
272	1.1547E-06	6.0631E-07	6.05E-04	3.67E-10	14.00	4.71E-02	2.42E-10	1,000,000	2.42E-04
273	1.1547E-06	7.1406E-07	6.05E-04	4.32E-10	14.00	4.71E-02	2.85E-10	1,000,000	2.85E-04
274	1.1547E-06	8.5294E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
275	1.1547E-06	1.0408E-06	6.05E-04	6.30E-10	14.00	4.71E-02	4.16E-10	1,000,000	4.16E-04
276	1.1547E-06	1.3229E-06	6.05E-04	8.00E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
277	1.1547E-06	1.7035E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.80E-10	1,000,000	6.80E-04
278	1.1547E-06	2.1953E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.77E-10	1,000,000	8.77E-04
279	1.1547E-06	2.9345E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
280	1.1547E-06	3.7879E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
281	1.1547E-06	4.6233E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
282	1.1547E-06	5.0693E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
283	1.1547E-06	4.779E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.1547E-06	4.029E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
285	1.1547E-06	3.5719E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
286	1.1547E-06	3.1018E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
287	1.1547E-06	2.69E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
288	1.1547E-06	2.3519E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.39E-10	1,000,000	9.39E-04
289	1.1547E-06	2.0531E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.20E-10	1,000,000	8.20E-04
290	1.1547E-06	1.7596E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.03E-10	1,000,000	7.03E-04
291	1.1547E-06	1.5283E-06	6.05E-04	9.25E-10	14.00	4.71E-02	6.10E-10	1,000,000	6.10E-04
292	1.1547E-06	1.3367E-06	6.05E-04	8.09E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
293	1.1547E-06	4.6467E-07	6.05E-04	2.81E-10	14.00	4.71E-02	1.86E-10	1,000,000	1.86E-04
294	1.1547E-06	5.3123E-07	6.05E-04	3.21E-10	14.00	4.71E-02	2.12E-10	1,000,000	2.12E-04
295	1.1547E-06	6.131E-07	6.05E-04	3.71E-10	14.00	4.71E-02	2.45E-10	1,000,000	2.45E-04
296	1.1547E-06	7.1096E-07	6.05E-04	4.30E-10	14.00	4.71E-02	2.84E-10	1,000,000	2.84E-04
297	1.1547E-06	8.5788E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
298	1.1547E-06	1.0401E-06	6.05E-04	6.29E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
299	1.1547E-06	1.2828E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
300	1.1547E-06	1.637E-06	6.05E-04	9.91E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
301	1.1547E-06	1.9631E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.84E-10	1,000,000	7.84E-04
302	1.1547E-06	2.4671E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.85E-10	1,000,000	9.85E-04
303	1.1547E-06	2.8784E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
304	1.1547E-06	3.212E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
305	1.1547E-06	3.1666E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
306	1.1547E-06	2.8383E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
307	1.1547E-06	2.5934E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
308	1.1547E-06	2.3399E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
309	1.1547E-06	2.1972E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.77E-10	1,000,000	8.77E-04
310	1.1547E-06	1.9543E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.80E-10	1,000,000	7.80E-04
311	1.1547E-06	1.7526E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
312	1.1547E-06	1.5643E-06	6.05E-04	9.47E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
313	1.1547E-06	1.3917E-06	6.05E-04	8.42E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
314	1.1547E-06	1.2431E-06	6.05E-04	7.52E-10	14.00	4.71E-02	4.96E-10	1,000,000	4.96E-04
315	1.1547E-06	4.013E-07	6.05E-04	2.43E-10	14.00	4.71E-02	1.60E-10	1,000,000	1.60E-04
316	1.1547E-06	4.5583E-07	6.05E-04	2.76E-10	14.00	4.71E-02	1.82E-10	1,000,000	1.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.1547E-06	5.1911E-07	6.05E-04	3.14E-10	14.00	4.71E-02	2.07E-10	1,000,000	2.07E-04
318	1.1547E-06	5.9353E-07	6.05E-04	3.59E-10	14.00	4.71E-02	2.37E-10	1,000,000	2.37E-04
319	1.1547E-06	6.7943E-07	6.05E-04	4.11E-10	14.00	4.71E-02	2.71E-10	1,000,000	2.71E-04
320	1.1547E-06	8.3622E-07	6.05E-04	5.06E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
321	1.1547E-06	9.8311E-07	6.05E-04	5.95E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
322	1.1547E-06	1.1827E-06	6.05E-04	7.16E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
323	1.1547E-06	1.4482E-06	6.05E-04	8.76E-10	14.00	4.71E-02	5.78E-10	1,000,000	5.78E-04
324	1.1547E-06	1.7099E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
325	1.1547E-06	1.9629E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.84E-10	1,000,000	7.84E-04
326	1.1547E-06	2.1629E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
327	1.1547E-06	2.4969E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.97E-10	1,000,000	9.97E-04
328	1.1547E-06	2.0116E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.03E-10	1,000,000	8.03E-04
329	1.1547E-06	1.8939E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.56E-10	1,000,000	7.56E-04
330	1.1547E-06	1.8117E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.24E-10	1,000,000	7.24E-04
331	1.1547E-06	1.7163E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
332	1.1547E-06	1.607E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.42E-10	1,000,000	6.42E-04
333	1.1547E-06	1.4757E-06	6.05E-04	8.93E-10	14.00	4.71E-02	5.89E-10	1,000,000	5.89E-04
334	1.1547E-06	1.3629E-06	6.05E-04	8.25E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
335	1.1547E-06	1.2425E-06	6.05E-04	7.52E-10	14.00	4.71E-02	4.96E-10	1,000,000	4.96E-04
336	1.1547E-06	1.1364E-06	6.05E-04	6.88E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04
337	1.1547E-06	3.5533E-07	6.05E-04	2.15E-10	14.00	4.71E-02	1.42E-10	1,000,000	1.42E-04
338	1.1547E-06	3.9651E-07	6.05E-04	2.40E-10	14.00	4.71E-02	1.58E-10	1,000,000	1.58E-04
339	1.1547E-06	4.4007E-07	6.05E-04	2.66E-10	14.00	4.71E-02	1.76E-10	1,000,000	1.76E-04
340	1.1547E-06	5.0423E-07	6.05E-04	3.05E-10	14.00	4.71E-02	2.01E-10	1,000,000	2.01E-04
341	1.1547E-06	5.6838E-07	6.05E-04	3.44E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
342	1.1547E-06	6.7899E-07	6.05E-04	4.11E-10	14.00	4.71E-02	2.71E-10	1,000,000	2.71E-04
343	1.1547E-06	7.7435E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.09E-10	1,000,000	3.09E-04
344	1.1547E-06	9.1184E-07	6.05E-04	5.52E-10	14.00	4.71E-02	3.64E-10	1,000,000	3.64E-04
345	1.1547E-06	1.0699E-06	6.05E-04	6.47E-10	14.00	4.71E-02	4.27E-10	1,000,000	4.27E-04
346	1.1547E-06	1.2639E-06	6.05E-04	7.65E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
347	1.1547E-06	1.3988E-06	6.05E-04	8.46E-10	14.00	4.71E-02	5.59E-10	1,000,000	5.59E-04
348	1.1547E-06	1.5231E-06	6.05E-04	9.22E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
349	1.1547E-06	1.4213E-06	6.05E-04	8.60E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.1547E-06	1.4171E-06	6.05E-04	8.57E-10	14.00	4.71E-02	5.66E-10	1,000,000	5.66E-04
351	1.1547E-06	1.3992E-06	6.05E-04	8.47E-10	14.00	4.71E-02	5.59E-10	1,000,000	5.59E-04
352	1.1547E-06	1.323E-06	6.05E-04	8.00E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
353	1.1547E-06	1.3393E-06	6.05E-04	8.10E-10	14.00	4.71E-02	5.35E-10	1,000,000	5.35E-04
354	1.1547E-06	1.2801E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.11E-10	1,000,000	5.11E-04
355	1.1547E-06	1.2278E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
356	1.1547E-06	1.1637E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04
357	1.1547E-06	1.0862E-06	6.05E-04	6.57E-10	14.00	4.71E-02	4.34E-10	1,000,000	4.34E-04
358	1.1547E-06	1.0138E-06	6.05E-04	6.13E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
359	1.1547E-06	3.0878E-07	6.05E-04	1.87E-10	14.00	4.71E-02	1.23E-10	1,000,000	1.23E-04
360	1.1547E-06	3.4379E-07	6.05E-04	2.08E-10	14.00	4.71E-02	1.37E-10	1,000,000	1.37E-04
361	1.1547E-06	3.81E-07	6.05E-04	2.31E-10	14.00	4.71E-02	1.52E-10	1,000,000	1.52E-04
362	1.1547E-06	4.2431E-07	6.05E-04	2.57E-10	14.00	4.71E-02	1.69E-10	1,000,000	1.69E-04
363	1.1547E-06	4.7068E-07	6.05E-04	2.85E-10	14.00	4.71E-02	1.88E-10	1,000,000	1.88E-04
364	1.1547E-06	5.4198E-07	6.05E-04	3.28E-10	14.00	4.71E-02	2.16E-10	1,000,000	2.16E-04
365	1.1547E-06	6.2404E-07	6.05E-04	3.78E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
366	1.1547E-06	7.2337E-07	6.05E-04	4.38E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
367	1.1547E-06	8.4878E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04
368	1.1547E-06	9.5244E-07	6.05E-04	5.76E-10	14.00	4.71E-02	3.80E-10	1,000,000	3.80E-04
369	1.1547E-06	1.0214E-06	6.05E-04	6.18E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
370	1.1547E-06	1.0466E-06	6.05E-04	6.33E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
371	1.1547E-06	1.0824E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
372	1.1547E-06	1.0836E-06	6.05E-04	6.56E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04
373	1.1547E-06	1.0442E-06	6.05E-04	6.32E-10	14.00	4.71E-02	4.17E-10	1,000,000	4.17E-04
374	1.1547E-06	1.0028E-06	6.05E-04	6.07E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
375	1.1547E-06	1.0246E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
376	1.1547E-06	1.001E-06	6.05E-04	6.06E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
377	1.1547E-06	9.8952E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.95E-10	1,000,000	3.95E-04
378	1.1547E-06	9.908E-07	6.05E-04	6.00E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
379	1.1547E-06	9.4508E-07	6.05E-04	5.72E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
380	1.1547E-06	8.8732E-07	6.05E-04	5.37E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
381	1.1547E-06	1.1635E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04
382	1.1547E-06	1.3272E-06	6.05E-04	8.03E-10	14.00	4.71E-02	5.30E-10	1,000,000	5.30E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.1547E-06	1.5225E-06	6.05E-04	9.21E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
384	1.1547E-06	1.754E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
385	1.1547E-06	2.0251E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.09E-10	1,000,000	8.09E-04
386	1.1547E-06	2.3319E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.31E-10	1,000,000	9.31E-04
387	1.1547E-06	2.6598E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
388	1.1547E-06	2.9823E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
389	1.1547E-06	3.2487E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
390	1.1547E-06	3.4022E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
391	1.1547E-06	3.3991E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
392	1.1547E-06	3.2387E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
393	1.1547E-06	2.9586E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
394	1.1547E-06	2.6238E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
395	1.1547E-06	2.277E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.09E-10	1,000,000	9.09E-04
396	1.1547E-06	1.9619E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.83E-10	1,000,000	7.83E-04
397	1.1547E-06	1.6901E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.75E-10	1,000,000	6.75E-04
398	1.1547E-06	1.4609E-06	6.05E-04	8.84E-10	14.00	4.71E-02	5.83E-10	1,000,000	5.83E-04
399	1.1547E-06	1.2591E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
400	1.1547E-06	1.4573E-06	6.05E-04	8.82E-10	14.00	4.71E-02	5.82E-10	1,000,000	5.82E-04
401	1.1547E-06	1.7022E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.80E-10	1,000,000	6.80E-04
402	1.1547E-06	2.0056E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.01E-10	1,000,000	8.01E-04
403	1.1547E-06	2.3792E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.50E-10	1,000,000	9.50E-04
404	1.1547E-06	2.8297E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
405	1.1547E-06	3.353E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
406	1.1547E-06	3.9113E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
407	1.1547E-06	4.4118E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
408	1.1547E-06	4.7275E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
409	1.1547E-06	4.7356E-06	6.05E-04	2.87E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
410	1.1547E-06	4.4242E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
411	1.1547E-06	3.9114E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
412	1.1547E-06	3.3306E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
413	1.1547E-06	2.7767E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
414	1.1547E-06	2.3109E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.23E-10	1,000,000	9.23E-04
415	1.1547E-06	1.9341E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.1547E-06	1.6305E-06	6.05E-04	9.87E-10	14.00	4.71E-02	6.51E-10	1,000,000	6.51E-04
417	1.1547E-06	1.3467E-06	6.05E-04	8.15E-10	14.00	4.71E-02	5.38E-10	1,000,000	5.38E-04
418	1.1547E-06	1.5822E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04
419	1.1547E-06	1.8873E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.54E-10	1,000,000	7.54E-04
420	1.1547E-06	2.2784E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.10E-10	1,000,000	9.10E-04
421	1.1547E-06	2.7904E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
422	1.1547E-06	3.4625E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
423	1.1547E-06	4.3263E-06	6.05E-04	2.62E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03
424	1.1547E-06	5.3617E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
425	1.1547E-06	6.4008E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
426	1.1547E-06	7.12E-06	6.05E-04	4.31E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
427	1.1547E-06	7.1544E-06	6.05E-04	4.33E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
428	1.1547E-06	6.5078E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
429	1.1547E-06	5.4414E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
430	1.1547E-06	4.3315E-06	6.05E-04	2.62E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03
431	1.1547E-06	3.4141E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
432	1.1547E-06	2.7214E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
433	1.1547E-06	2.2153E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
434	1.1547E-06	1.8273E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.30E-10	1,000,000	7.30E-04
435	1.1547E-06	1.3618E-06	6.05E-04	8.24E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
436	1.1547E-06	1.6544E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.61E-10	1,000,000	6.61E-04
437	1.1547E-06	2.0531E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.20E-10	1,000,000	8.20E-04
438	1.1547E-06	2.5551E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
439	1.1547E-06	3.2383E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
440	1.1547E-06	4.2187E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
441	1.1547E-06	5.6504E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
442	1.1547E-06	7.704E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
443	1.1547E-06	1.0267E-05	6.05E-04	6.21E-09	14.00	4.71E-02	4.10E-09	1,000,000	4.10E-03
444	1.1547E-06	1.2286E-05	6.05E-04	7.43E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
445	1.1547E-06	1.248E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
446	1.1547E-06	1.0818E-05	6.05E-04	6.55E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
447	1.1547E-06	8.1647E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
448	1.1547E-06	5.8038E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.1547E-06	4.2291E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
450	1.1547E-06	3.2084E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
451	1.1547E-06	2.5082E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
452	1.1547E-06	2.0292E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.10E-10	1,000,000	8.10E-04
453	1.1547E-06	1.3544E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
454	1.1547E-06	1.6597E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.63E-10	1,000,000	6.63E-04
455	1.1547E-06	2.1234E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.48E-10	1,000,000	8.48E-04
456	1.1547E-06	2.7642E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
457	1.1547E-06	3.6602E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
458	1.1547E-06	5.0252E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
459	1.1547E-06	7.3133E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
460	1.1547E-06	1.1521E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
461	1.1547E-06	1.9491E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.78E-09	1,000,000	7.78E-03
462	1.1547E-06	2.8139E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
463	1.1547E-06	2.9045E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
464	1.1547E-06	2.3735E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.48E-09	1,000,000	9.48E-03
465	1.1547E-06	1.3975E-05	6.05E-04	8.46E-09	14.00	4.71E-02	5.58E-09	1,000,000	5.58E-03
466	1.1547E-06	7.9954E-06	6.05E-04	4.84E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
467	1.1547E-06	5.2256E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
468	1.1547E-06	3.7367E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
469	1.1547E-06	2.8332E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
470	1.1547E-06	2.2382E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
471	1.1547E-06	1.2815E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
472	1.1547E-06	1.6246E-06	6.05E-04	9.83E-10	14.00	4.71E-02	6.49E-10	1,000,000	6.49E-04
473	1.1547E-06	2.1033E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.40E-10	1,000,000	8.40E-04
474	1.1547E-06	2.75E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
475	1.1547E-06	3.7382E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
476	1.1547E-06	1.0483E-05	6.05E-04	6.34E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
477	1.1547E-06	6.1637E-06	6.05E-04	3.73E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
478	1.1547E-06	4.2338E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
479	1.1547E-06	3.1295E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
480	1.1547E-06	2.4268E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.69E-10	1,000,000	9.69E-04
481	1.1547E-06	1.185E-06	6.05E-04	7.17E-10	14.00	4.71E-02	4.73E-10	1,000,000	4.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.1547E-06	1.5382E-06	6.05E-04	9.31E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
483	1.1547E-06	1.9447E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.77E-10	1,000,000	7.77E-04
484	1.1547E-06	2.5828E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
485	1.1547E-06	3.7499E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
486	1.1547E-06	1.0288E-05	6.05E-04	6.22E-09	14.00	4.71E-02	4.11E-09	1,000,000	4.11E-03
487	1.1547E-06	6.4252E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
488	1.1547E-06	4.4379E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
489	1.1547E-06	3.2858E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
490	1.1547E-06	2.545E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
491	1.1547E-06	1.0663E-06	6.05E-04	6.45E-10	14.00	4.71E-02	4.26E-10	1,000,000	4.26E-04
492	1.1547E-06	1.3506E-06	6.05E-04	8.17E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
493	1.1547E-06	1.7058E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.81E-10	1,000,000	6.81E-04
494	1.1547E-06	2.2915E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.15E-10	1,000,000	9.15E-04
495	1.1547E-06	3.3145E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
496	1.1547E-06	1.7646E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
497	1.1547E-06	5.7831E-05	6.05E-04	3.50E-08	14.00	4.71E-02	2.31E-08	1,000,000	2.31E-02
498	1.1547E-06	1.2192E-05	6.05E-04	7.38E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
499	1.1547E-06	8.309E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
500	1.1547E-06	5.8187E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
501	1.1547E-06	4.254E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
502	1.1547E-06	3.2352E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
503	1.1547E-06	2.5445E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
504	1.1547E-06	9.4304E-07	6.05E-04	5.71E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
505	1.1547E-06	1.1421E-06	6.05E-04	6.91E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
506	1.1547E-06	1.5082E-06	6.05E-04	9.13E-10	14.00	4.71E-02	6.02E-10	1,000,000	6.02E-04
507	1.1547E-06	1.9341E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04
508	1.1547E-06	2.7906E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
509	1.1547E-06	4.0684E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
510	1.1547E-06	6.5394E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
511	1.1547E-06	1.2161E-05	6.05E-04	7.36E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03
512	1.1547E-06	3.222E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
513	1.1547E-06	3.9023E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
514	1.1547E-06	2.0308E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.11E-09	1,000,000	8.11E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.1547E-06	1.2544E-05	6.05E-04	7.59E-09	14.00	4.71E-02	5.01E-09	1,000,000	5.01E-03
516	1.1547E-06	8.909E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
517	1.1547E-06	6.5583E-06	6.05E-04	3.97E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
518	1.1547E-06	4.9446E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
519	1.1547E-06	3.8161E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
520	1.1547E-06	3.0126E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
521	1.1547E-06	2.4298E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.70E-10	1,000,000	9.70E-04
522	1.1547E-06	8.1649E-07	6.05E-04	4.94E-10	14.00	4.71E-02	3.26E-10	1,000,000	3.26E-04
523	1.1547E-06	1.0088E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
524	1.1547E-06	1.2691E-06	6.05E-04	7.68E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
525	1.1547E-06	1.6234E-06	6.05E-04	9.82E-10	14.00	4.71E-02	6.48E-10	1,000,000	6.48E-04
526	1.1547E-06	2.0775E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04
527	1.1547E-06	3.1182E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
528	1.1547E-06	4.5873E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
529	1.1547E-06	7.2481E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
530	1.1547E-06	1.1862E-05	6.05E-04	7.18E-09	14.00	4.71E-02	4.74E-09	1,000,000	4.74E-03
531	1.1547E-06	1.4275E-05	6.05E-04	8.64E-09	14.00	4.71E-02	5.70E-09	1,000,000	5.70E-03
532	1.1547E-06	1.1197E-05	6.05E-04	6.77E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
533	1.1547E-06	8.5217E-06	6.05E-04	5.16E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
534	1.1547E-06	6.4328E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
535	1.1547E-06	5.1196E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
536	1.1547E-06	4.0885E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
537	1.1547E-06	3.3039E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
538	1.1547E-06	2.6997E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
539	1.1547E-06	2.2371E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.93E-10	1,000,000	8.93E-04
540	1.1547E-06	7.0773E-07	6.05E-04	4.28E-10	14.00	4.71E-02	2.83E-10	1,000,000	2.83E-04
541	1.1547E-06	8.577E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
542	1.1547E-06	1.0522E-06	6.05E-04	6.37E-10	14.00	4.71E-02	4.20E-10	1,000,000	4.20E-04
543	1.1547E-06	1.3161E-06	6.05E-04	7.96E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
544	1.1547E-06	1.7374E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.94E-10	1,000,000	6.94E-04
545	1.1547E-06	2.26E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.03E-10	1,000,000	9.03E-04
546	1.1547E-06	3.1267E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
547	1.1547E-06	4.2355E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.1547E-06	5.7461E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.29E-09	1,000,000	2.29E-03
549	1.1547E-06	6.5825E-06	6.05E-04	3.98E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
550	1.1547E-06	6.3679E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
551	1.1547E-06	5.8152E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
552	1.1547E-06	4.6112E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
553	1.1547E-06	3.8402E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
554	1.1547E-06	3.2408E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
555	1.1547E-06	2.8079E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
556	1.1547E-06	2.3651E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.45E-10	1,000,000	9.45E-04
557	1.1547E-06	2.0093E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.02E-10	1,000,000	8.02E-04
558	1.1547E-06	6.1511E-07	6.05E-04	3.72E-10	14.00	4.71E-02	2.46E-10	1,000,000	2.46E-04
559	1.1547E-06	7.3362E-07	6.05E-04	4.44E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
560	1.1547E-06	8.6021E-07	6.05E-04	5.20E-10	14.00	4.71E-02	3.44E-10	1,000,000	3.44E-04
561	1.1547E-06	1.0553E-06	6.05E-04	6.39E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
562	1.1547E-06	1.2813E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
563	1.1547E-06	1.6127E-06	6.05E-04	9.76E-10	14.00	4.71E-02	6.44E-10	1,000,000	6.44E-04
564	1.1547E-06	2.1397E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.54E-10	1,000,000	8.54E-04
565	1.1547E-06	2.6833E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
566	1.1547E-06	3.3697E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
567	1.1547E-06	3.7895E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
568	1.1547E-06	4.0129E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
569	1.1547E-06	3.5662E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
570	1.1547E-06	3.1613E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
571	1.1547E-06	2.8747E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
572	1.1547E-06	2.5937E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
573	1.1547E-06	2.2838E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.12E-10	1,000,000	9.12E-04
574	1.1547E-06	2.0195E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.06E-10	1,000,000	8.06E-04
575	1.1547E-06	1.7787E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.10E-10	1,000,000	7.10E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.15E-06	8.0767E-07	2.50E-04	2.02E-10	1.40E+01	1.57E-02	4.45E-11	1.0E+06	4.4E-05	6.4E-04	Res	0.047	166
2	1.1547E-06	8.8987E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.90E-11	1,000,000	4.90E-05	7.1E-04			
3	1.1547E-06	9.8213E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
4	1.1547E-06	1.0844E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
5	1.1547E-06	1.1968E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.59E-11	1,000,000	6.59E-05	9.5E-04			
6	1.1547E-06	1.3176E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.25E-11	1,000,000	7.25E-05	1.0E-03			
7	1.1547E-06	1.442E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
8	1.1547E-06	1.5644E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.61E-11	1,000,000	8.61E-05	1.2E-03			
9	1.1547E-06	1.6776E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.24E-11	1,000,000	9.24E-05	1.3E-03			
10	1.1547E-06	1.7687E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.74E-11	1,000,000	9.74E-05	1.4E-03			
11	1.1547E-06	1.8269E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
12	1.1547E-06	1.8446E-06	2.50E-04	4.62E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
13	1.1547E-06	1.8182E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
14	1.1547E-06	1.7511E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.64E-11	1,000,000	9.64E-05	1.4E-03			
15	1.1547E-06	1.6525E-06	2.50E-04	4.14E-10	14.00	1.57E-02	9.10E-11	1,000,000	9.10E-05	1.3E-03			
16	1.1547E-06	1.5321E-06	2.50E-04	3.83E-10	14.00	1.57E-02	8.44E-11	1,000,000	8.44E-05	1.2E-03			
17	1.1547E-06	1.4059E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.74E-11	1,000,000	7.74E-05	1.1E-03			
18	1.1547E-06	1.279E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.04E-11	1,000,000	7.04E-05	1.0E-03			
19	1.1547E-06	1.1566E-06	2.50E-04	2.89E-10	14.00	1.57E-02	6.37E-11	1,000,000	6.37E-05	9.2E-04			
20	1.1547E-06	1.0461E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
21	1.1547E-06	9.4563E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.21E-11	1,000,000	5.21E-05	7.5E-04			
22	1.1547E-06	8.5475E-07	2.50E-04	2.14E-10	14.00	1.57E-02	4.71E-11	1,000,000	4.71E-05	6.8E-04			
23	1.1547E-06	8.6998E-07	2.50E-04	2.18E-10	14.00	1.57E-02	4.79E-11	1,000,000	4.79E-05	6.9E-04			
24	1.1547E-06	9.6805E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.33E-11	1,000,000	5.33E-05	7.7E-04			
25	1.1547E-06	1.0805E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.95E-11	1,000,000	5.95E-05	8.6E-04			
26	1.1547E-06	1.2089E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.1547E-06	1.3537E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.45E-11	1,000,000	7.45E-05	1.1E-03			
28	1.1547E-06	1.5153E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.34E-11	1,000,000	8.34E-05	1.2E-03			
29	1.1547E-06	1.6873E-06	2.50E-04	4.22E-10	14.00	1.57E-02	9.29E-11	1,000,000	9.29E-05	1.3E-03			
30	1.1547E-06	1.8654E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
31	1.1547E-06	2.0333E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
32	1.1547E-06	2.1741E-06	2.50E-04	5.44E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
33	1.1547E-06	2.266E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
34	1.1547E-06	2.2979E-06	2.50E-04	5.75E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
35	1.1547E-06	2.2598E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
36	1.1547E-06	2.1582E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
37	1.1547E-06	2.0012E-06	2.50E-04	5.01E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
38	1.1547E-06	1.824E-06	2.50E-04	4.56E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.5E-03			
39	1.1547E-06	1.6447E-06	2.50E-04	4.12E-10	14.00	1.57E-02	9.06E-11	1,000,000	9.06E-05	1.3E-03			
40	1.1547E-06	1.4695E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.09E-11	1,000,000	8.09E-05	1.2E-03			
41	1.1547E-06	1.3068E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.20E-11	1,000,000	7.20E-05	1.0E-03			
42	1.1547E-06	1.1618E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.40E-11	1,000,000	6.40E-05	9.3E-04			
43	1.1547E-06	1.0347E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.70E-11	1,000,000	5.70E-05	8.2E-04			
44	1.1547E-06	9.2961E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.12E-11	1,000,000	5.12E-05	7.4E-04			
45	1.1547E-06	9.3395E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.14E-11	1,000,000	5.14E-05	7.4E-04			
46	1.1547E-06	1.05E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			
47	1.1547E-06	1.1866E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.53E-11	1,000,000	6.53E-05	9.5E-04			
48	1.1547E-06	1.3471E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.42E-11	1,000,000	7.42E-05	1.1E-03			
49	1.1547E-06	1.5345E-06	2.50E-04	3.84E-10	14.00	1.57E-02	8.45E-11	1,000,000	8.45E-05	1.2E-03			
50	1.1547E-06	1.7505E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.64E-11	1,000,000	9.64E-05	1.4E-03			
51	1.1547E-06	1.9937E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
52	1.1547E-06	2.2553E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.1547E-06	2.5181E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
54	1.1547E-06	2.7468E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
55	1.1547E-06	2.9057E-06	2.50E-04	7.27E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
56	1.1547E-06	2.9615E-06	2.50E-04	7.41E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
57	1.1547E-06	2.8976E-06	2.50E-04	7.25E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
58	1.1547E-06	2.7349E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
59	1.1547E-06	2.4822E-06	2.50E-04	6.21E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
60	1.1547E-06	2.2072E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
61	1.1547E-06	1.9423E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
62	1.1547E-06	1.6949E-06	2.50E-04	4.24E-10	14.00	1.57E-02	9.33E-11	1,000,000	9.33E-05	1.3E-03			
63	1.1547E-06	1.4782E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
64	1.1547E-06	1.2937E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.12E-11	1,000,000	7.12E-05	1.0E-03			
65	1.1547E-06	1.139E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
66	1.1547E-06	1.0089E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			
67	1.1547E-06	9.9739E-07	2.50E-04	2.50E-10	14.00	1.57E-02	5.49E-11	1,000,000	5.49E-05	7.9E-04			
68	1.1547E-06	1.1333E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.24E-11	1,000,000	6.24E-05	9.0E-04			
69	1.1547E-06	1.2973E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
70	1.1547E-06	1.4961E-06	2.50E-04	3.74E-10	14.00	1.57E-02	8.24E-11	1,000,000	8.24E-05	1.2E-03			
71	1.1547E-06	1.7373E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.57E-11	1,000,000	9.57E-05	1.4E-03			
72	1.1547E-06	2.0285E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
73	1.1547E-06	2.3748E-06	2.50E-04	5.94E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
74	1.1547E-06	2.77E-06	2.50E-04	6.93E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
75	1.1547E-06	3.1939E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
76	1.1547E-06	3.5957E-06	2.50E-04	9.00E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
77	1.1547E-06	3.8957E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
78	1.1547E-06	4.0149E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
79	1.1547E-06	3.8973E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
80	1.1547E-06	3.5885E-06	2.50E-04	8.98E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
81	1.1547E-06	3.1662E-06	2.50E-04	7.92E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
82	1.1547E-06	2.7278E-06	2.50E-04	6.83E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
83	1.1547E-06	2.3146E-06	2.50E-04	5.79E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
84	1.1547E-06	1.9647E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
85	1.1547E-06	1.6662E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.17E-11	1,000,000	9.17E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.1547E-06	1.4375E-06	2.50E-04	3.60E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
87	1.1547E-06	1.2465E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			
88	1.1547E-06	1.0919E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
89	1.1547E-06	1.0547E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
90	1.1547E-06	1.2143E-06	2.50E-04	3.04E-10	14.00	1.57E-02	6.69E-11	1,000,000	6.69E-05	9.7E-04			
91	1.1547E-06	1.4081E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.75E-11	1,000,000	7.75E-05	1.1E-03			
92	1.1547E-06	1.6506E-06	2.50E-04	4.13E-10	14.00	1.57E-02	9.09E-11	1,000,000	9.09E-05	1.3E-03			
93	1.1547E-06	1.957E-06	2.50E-04	4.90E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
94	1.1547E-06	2.3464E-06	2.50E-04	5.87E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
95	1.1547E-06	2.8395E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
96	1.1547E-06	3.4517E-06	2.50E-04	8.64E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
97	1.1547E-06	4.1749E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
98	1.1547E-06	4.9299E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
99	1.1547E-06	5.5398E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
100	1.1547E-06	5.7958E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.19E-10	1,000,000	3.19E-04	4.6E-03			
101	1.1547E-06	5.5746E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
102	1.1547E-06	4.962E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	4.0E-03			
103	1.1547E-06	4.1781E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
104	1.1547E-06	3.4118E-06	2.50E-04	8.54E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
105	1.1547E-06	2.7785E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
106	1.1547E-06	2.2774E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
107	1.1547E-06	1.8896E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
108	1.1547E-06	1.5921E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.77E-11	1,000,000	8.77E-05	1.3E-03			
109	1.1547E-06	1.3596E-06	2.50E-04	3.40E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
110	1.1547E-06	1.178E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
111	1.1547E-06	1.0779E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.93E-11	1,000,000	5.93E-05	8.6E-04			
112	1.1547E-06	1.2754E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.02E-11	1,000,000	7.02E-05	1.0E-03			
113	1.1547E-06	1.4837E-06	2.50E-04	3.71E-10	14.00	1.57E-02	8.17E-11	1,000,000	8.17E-05	1.2E-03			
114	1.1547E-06	1.7743E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.77E-11	1,000,000	9.77E-05	1.4E-03			
115	1.1547E-06	2.1818E-06	2.50E-04	5.46E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
116	1.1547E-06	2.6922E-06	2.50E-04	6.74E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
117	1.1547E-06	3.3872E-06	2.50E-04	8.48E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
118	1.1547E-06	4.3428E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.39E-10	1,000,000	2.39E-04	3.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.1547E-06	5.6258E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
120	1.1547E-06	7.1963E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
121	1.1547E-06	8.6757E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.9E-03			
122	1.1547E-06	9.3351E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
123	1.1547E-06	8.8384E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
124	1.1547E-06	7.4281E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
125	1.1547E-06	5.7555E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
126	1.1547E-06	4.3465E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.39E-10	1,000,000	2.39E-04	3.5E-03			
127	1.1547E-06	3.3417E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
128	1.1547E-06	2.6352E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
129	1.1547E-06	2.1265E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
130	1.1547E-06	1.7585E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
131	1.1547E-06	1.4793E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
132	1.1547E-06	1.2667E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.97E-11	1,000,000	6.97E-05	1.0E-03			
133	1.1547E-06	1.0634E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.86E-11	1,000,000	5.86E-05	8.5E-04			
134	1.1547E-06	1.2571E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.92E-11	1,000,000	6.92E-05	1.0E-03			
135	1.1547E-06	1.498E-06	2.50E-04	3.75E-10	14.00	1.57E-02	8.25E-11	1,000,000	8.25E-05	1.2E-03			
136	1.1547E-06	1.8758E-06	2.50E-04	4.69E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
137	1.1547E-06	2.3867E-06	2.50E-04	5.97E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
138	1.1547E-06	3.0358E-06	2.50E-04	7.60E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
139	1.1547E-06	3.9807E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
140	1.1547E-06	5.4315E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
141	1.1547E-06	7.7464E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.27E-10	1,000,000	4.27E-04	6.2E-03			
142	1.1547E-06	1.1429E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.29E-10	1,000,000	6.29E-04	9.1E-03			
143	1.1547E-06	1.5994E-05	2.50E-04	4.00E-09	14.00	1.57E-02	8.81E-10	1,000,000	8.81E-04	1.3E-02			
144	1.1547E-06	1.8268E-05	2.50E-04	4.57E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
145	1.1547E-06	1.6928E-05	2.50E-04	4.24E-09	14.00	1.57E-02	9.32E-10	1,000,000	9.32E-04	1.3E-02			
146	1.1547E-06	1.2795E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.05E-10	1,000,000	7.05E-04	1.0E-02			
147	1.1547E-06	8.3928E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
148	1.1547E-06	5.6069E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.09E-10	1,000,000	3.09E-04	4.5E-03			
149	1.1547E-06	4.0175E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
150	1.1547E-06	3.0277E-06	2.50E-04	7.58E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
151	1.1547E-06	2.3771E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.1547E-06	1.9291E-06	2.50E-04	4.83E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
153	1.1547E-06	1.6014E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.82E-11	1,000,000	8.82E-05	1.3E-03			
154	1.1547E-06	1.3556E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
155	1.1547E-06	9.7266E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.36E-11	1,000,000	5.36E-05	7.7E-04			
156	1.1547E-06	1.1763E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.48E-11	1,000,000	6.48E-05	9.4E-04			
157	1.1547E-06	1.4803E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
158	1.1547E-06	1.8318E-06	2.50E-04	4.58E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
159	1.1547E-06	2.3905E-06	2.50E-04	5.98E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
160	1.1547E-06	3.185E-06	2.50E-04	7.97E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
161	1.1547E-06	4.4219E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
162	1.1547E-06	6.5489E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.61E-10	1,000,000	3.61E-04	5.2E-03			
163	1.1547E-06	1.0491E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			
164	1.1547E-06	1.9814E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
165	1.1547E-06	4.6051E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.54E-09	1,000,000	2.54E-03	3.7E-02			
166	1.1547E-06	5.88E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.24E-09	1,000,000	3.24E-03	4.7E-02			
167	1.1547E-06	5.4943E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.03E-09	1,000,000	3.03E-03	4.4E-02			
168	1.1547E-06	3.3853E-05	2.50E-04	8.47E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
169	1.1547E-06	1.3007E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.16E-10	1,000,000	7.16E-04	1.0E-02			
170	1.1547E-06	7.1704E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.95E-10	1,000,000	3.95E-04	5.7E-03			
171	1.1547E-06	4.7287E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
172	1.1547E-06	3.4342E-06	2.50E-04	8.59E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
173	1.1547E-06	2.6301E-06	2.50E-04	6.58E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
174	1.1547E-06	2.096E-06	2.50E-04	5.25E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
175	1.1547E-06	1.7206E-06	2.50E-04	4.31E-10	14.00	1.57E-02	9.47E-11	1,000,000	9.47E-05	1.4E-03			
176	1.1547E-06	1.4427E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
177	1.1547E-06	9.1754E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
178	1.1547E-06	1.1349E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.25E-11	1,000,000	6.25E-05	9.0E-04			
179	1.1547E-06	1.446E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.96E-11	1,000,000	7.96E-05	1.2E-03			
180	1.1547E-06	1.856E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
181	1.1547E-06	2.4176E-06	2.50E-04	6.05E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
182	1.1547E-06	3.2323E-06	2.50E-04	8.09E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
183	1.1547E-06	4.6078E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
184	1.1547E-06	1.5567E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.57E-10	1,000,000	8.57E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.1547E-06	8.1294E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.48E-10	1,000,000	4.48E-04	6.5E-03			
186	1.1547E-06	5.2502E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.89E-10	1,000,000	2.89E-04	4.2E-03			
187	1.1547E-06	3.7344E-06	2.50E-04	9.35E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
188	1.1547E-06	2.8234E-06	2.50E-04	7.07E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
189	1.1547E-06	2.2296E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
190	1.1547E-06	1.8155E-06	2.50E-04	4.54E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
191	1.1547E-06	1.5128E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.33E-11	1,000,000	8.33E-05	1.2E-03			
192	1.1547E-06	8.405E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.63E-11	1,000,000	4.63E-05	6.7E-04			
193	1.1547E-06	1.0209E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04			
194	1.1547E-06	1.2963E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
195	1.1547E-06	1.6727E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
196	1.1547E-06	2.24E-06	2.50E-04	5.61E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
197	1.1547E-06	3.0017E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
198	1.1547E-06	4.3615E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
199	1.1547E-06	3.0461E-05	2.50E-04	7.62E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			
200	1.1547E-06	1.1757E-05	2.50E-04	2.94E-09	14.00	1.57E-02	6.47E-10	1,000,000	6.47E-04	9.4E-03			
201	1.1547E-06	7.5334E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.15E-10	1,000,000	4.15E-04	6.0E-03			
202	1.1547E-06	5.1679E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
203	1.1547E-06	3.7758E-06	2.50E-04	9.45E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
204	1.1547E-06	2.887E-06	2.50E-04	7.23E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
205	1.1547E-06	2.2883E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
206	1.1547E-06	1.865E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
207	1.1547E-06	1.5548E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.56E-11	1,000,000	8.56E-05	1.2E-03			
208	1.1547E-06	7.6018E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.19E-11	1,000,000	4.19E-05	6.1E-04			
209	1.1547E-06	9.2006E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
210	1.1547E-06	1.0998E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.06E-11	1,000,000	6.06E-05	8.8E-04			
211	1.1547E-06	1.4231E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.84E-11	1,000,000	7.84E-05	1.1E-03			
212	1.1547E-06	1.8428E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
213	1.1547E-06	2.5382E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
214	1.1547E-06	3.78E-06	2.50E-04	9.46E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
215	1.1547E-06	5.8385E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.7E-03			
216	1.1547E-06	1.0776E-05	2.50E-04	2.70E-09	14.00	1.57E-02	5.93E-10	1,000,000	5.93E-04	8.6E-03			
217	1.1547E-06	2.4259E-05	2.50E-04	6.07E-09	14.00	1.57E-02	1.34E-09	1,000,000	1.34E-03	1.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.1547E-06	1.2391E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.82E-10	1,000,000	6.82E-04	9.9E-03			
219	1.1547E-06	8.7202E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
220	1.1547E-06	6.2829E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.46E-10	1,000,000	3.46E-04	5.0E-03			
221	1.1547E-06	4.6559E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
222	1.1547E-06	3.5554E-06	2.50E-04	8.90E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
223	1.1547E-06	2.7934E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
224	1.1547E-06	2.2507E-06	2.50E-04	5.63E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
225	1.1547E-06	1.8529E-06	2.50E-04	4.64E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
226	1.1547E-06	1.5548E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.56E-11	1,000,000	8.56E-05	1.2E-03			
227	1.1547E-06	6.7704E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.73E-11	1,000,000	3.73E-05	5.4E-04			
228	1.1547E-06	8.0216E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.42E-11	1,000,000	4.42E-05	6.4E-04			
229	1.1547E-06	9.6583E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.32E-11	1,000,000	5.32E-05	7.7E-04			
230	1.1547E-06	1.2048E-06	2.50E-04	3.02E-10	14.00	1.57E-02	6.63E-11	1,000,000	6.63E-05	9.6E-04			
231	1.1547E-06	1.5512E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.54E-11	1,000,000	8.54E-05	1.2E-03			
232	1.1547E-06	2.0166E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
233	1.1547E-06	2.9531E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
234	1.1547E-06	4.388E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
235	1.1547E-06	7.2389E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
236	1.1547E-06	1.3371E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.36E-10	1,000,000	7.36E-04	1.1E-02			
237	1.1547E-06	2.71E-05	2.50E-04	6.78E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.2E-02			
238	1.1547E-06	2.0431E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
239	1.1547E-06	1.2437E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.85E-10	1,000,000	6.85E-04	9.9E-03			
240	1.1547E-06	8.8053E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.85E-10	1,000,000	4.85E-04	7.0E-03			
241	1.1547E-06	6.6703E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.67E-10	1,000,000	3.67E-04	5.3E-03			
242	1.1547E-06	5.0729E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
243	1.1547E-06	3.9981E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
244	1.1547E-06	3.186E-06	2.50E-04	7.97E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
245	1.1547E-06	2.5831E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
246	1.1547E-06	2.1292E-06	2.50E-04	5.33E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
247	1.1547E-06	1.7822E-06	2.50E-04	4.46E-10	14.00	1.57E-02	9.81E-11	1,000,000	9.81E-05	1.4E-03			
248	1.1547E-06	1.5131E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.33E-11	1,000,000	8.33E-05	1.2E-03			
249	1.1547E-06	6.0445E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.33E-11	1,000,000	3.33E-05	4.8E-04			
250	1.1547E-06	7.0378E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.1547E-06	8.309E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.57E-11	1,000,000	4.57E-05	6.6E-04			
252	1.1547E-06	1.0247E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
253	1.1547E-06	1.276E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.03E-11	1,000,000	7.03E-05	1.0E-03			
254	1.1547E-06	1.7029E-06	2.50E-04	4.26E-10	14.00	1.57E-02	9.38E-11	1,000,000	9.38E-05	1.4E-03			
255	1.1547E-06	2.2569E-06	2.50E-04	5.65E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
256	1.1547E-06	3.2768E-06	2.50E-04	8.20E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
257	1.1547E-06	4.59E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
258	1.1547E-06	6.5018E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
259	1.1547E-06	8.9183E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
260	1.1547E-06	8.9459E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.93E-10	1,000,000	4.93E-04	7.1E-03			
261	1.1547E-06	7.5796E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.17E-10	1,000,000	4.17E-04	6.0E-03			
262	1.1547E-06	6.1064E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
263	1.1547E-06	4.9081E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
264	1.1547E-06	4.0108E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
265	1.1547E-06	3.3549E-06	2.50E-04	8.40E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
266	1.1547E-06	2.7757E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
267	1.1547E-06	2.3165E-06	2.50E-04	5.80E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
268	1.1547E-06	1.9551E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
269	1.1547E-06	1.6673E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.18E-11	1,000,000	9.18E-05	1.3E-03			
270	1.1547E-06	1.4361E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
271	1.1547E-06	5.2799E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.91E-11	1,000,000	2.91E-05	4.2E-04			
272	1.1547E-06	6.0631E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.34E-11	1,000,000	3.34E-05	4.8E-04			
273	1.1547E-06	7.1406E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.93E-11	1,000,000	3.93E-05	5.7E-04			
274	1.1547E-06	8.5294E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.70E-11	1,000,000	4.70E-05	6.8E-04			
275	1.1547E-06	1.0408E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
276	1.1547E-06	1.3229E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.28E-11	1,000,000	7.28E-05	1.1E-03			
277	1.1547E-06	1.7035E-06	2.50E-04	4.26E-10	14.00	1.57E-02	9.38E-11	1,000,000	9.38E-05	1.4E-03			
278	1.1547E-06	2.1953E-06	2.50E-04	5.49E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
279	1.1547E-06	2.9345E-06	2.50E-04	7.34E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
280	1.1547E-06	3.7879E-06	2.50E-04	9.48E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
281	1.1547E-06	4.6233E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
282	1.1547E-06	5.0693E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
283	1.1547E-06	4.779E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.1547E-06	4.029E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
285	1.1547E-06	3.5719E-06	2.50E-04	8.94E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
286	1.1547E-06	3.1018E-06	2.50E-04	7.76E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
287	1.1547E-06	2.69E-06	2.50E-04	6.73E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
288	1.1547E-06	2.3519E-06	2.50E-04	5.89E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
289	1.1547E-06	2.0531E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
290	1.1547E-06	1.7596E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.69E-11	1,000,000	9.69E-05	1.4E-03			
291	1.1547E-06	1.5283E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.41E-11	1,000,000	8.41E-05	1.2E-03			
292	1.1547E-06	1.3367E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.36E-11	1,000,000	7.36E-05	1.1E-03			
293	1.1547E-06	4.6467E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.56E-11	1,000,000	2.56E-05	3.7E-04			
294	1.1547E-06	5.3123E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.92E-11	1,000,000	2.92E-05	4.2E-04			
295	1.1547E-06	6.131E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.38E-11	1,000,000	3.38E-05	4.9E-04			
296	1.1547E-06	7.1096E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.91E-11	1,000,000	3.91E-05	5.7E-04			
297	1.1547E-06	8.5788E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
298	1.1547E-06	1.0401E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
299	1.1547E-06	1.2828E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
300	1.1547E-06	1.637E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.01E-11	1,000,000	9.01E-05	1.3E-03			
301	1.1547E-06	1.9631E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
302	1.1547E-06	2.4671E-06	2.50E-04	6.17E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
303	1.1547E-06	2.8784E-06	2.50E-04	7.20E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
304	1.1547E-06	3.212E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
305	1.1547E-06	3.1666E-06	2.50E-04	7.93E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
306	1.1547E-06	2.8383E-06	2.50E-04	7.10E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
307	1.1547E-06	2.5934E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
308	1.1547E-06	2.3399E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
309	1.1547E-06	2.1972E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
310	1.1547E-06	1.9543E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
311	1.1547E-06	1.7526E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.65E-11	1,000,000	9.65E-05	1.4E-03			
312	1.1547E-06	1.5643E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.61E-11	1,000,000	8.61E-05	1.2E-03			
313	1.1547E-06	1.3917E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			
314	1.1547E-06	1.2431E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.84E-11	1,000,000	6.84E-05	9.9E-04			
315	1.1547E-06	4.013E-07	2.50E-04	1.00E-10	14.00	1.57E-02	2.21E-11	1,000,000	2.21E-05	3.2E-04			
316	1.1547E-06	4.5583E-07	2.50E-04	1.14E-10	14.00	1.57E-02	2.51E-11	1,000,000	2.51E-05	3.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.1547E-06	5.1911E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.86E-11	1,000,000	2.86E-05	4.1E-04			
318	1.1547E-06	5.9353E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.27E-11	1,000,000	3.27E-05	4.7E-04			
319	1.1547E-06	6.7943E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.74E-11	1,000,000	3.74E-05	5.4E-04			
320	1.1547E-06	8.3622E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.60E-11	1,000,000	4.60E-05	6.7E-04			
321	1.1547E-06	9.8311E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
322	1.1547E-06	1.1827E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.51E-11	1,000,000	6.51E-05	9.4E-04			
323	1.1547E-06	1.4482E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.97E-11	1,000,000	7.97E-05	1.2E-03			
324	1.1547E-06	1.7099E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
325	1.1547E-06	1.9629E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
326	1.1547E-06	2.1629E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
327	1.1547E-06	2.4969E-06	2.50E-04	6.25E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
328	1.1547E-06	2.0116E-06	2.50E-04	5.03E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
329	1.1547E-06	1.8939E-06	2.50E-04	4.74E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
330	1.1547E-06	1.8117E-06	2.50E-04	4.53E-10	14.00	1.57E-02	9.98E-11	1,000,000	9.98E-05	1.4E-03			
331	1.1547E-06	1.7163E-06	2.50E-04	4.30E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			
332	1.1547E-06	1.607E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.85E-11	1,000,000	8.85E-05	1.3E-03			
333	1.1547E-06	1.4757E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.13E-11	1,000,000	8.13E-05	1.2E-03			
334	1.1547E-06	1.3629E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.50E-11	1,000,000	7.50E-05	1.1E-03			
335	1.1547E-06	1.2425E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.84E-11	1,000,000	6.84E-05	9.9E-04			
336	1.1547E-06	1.1364E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.26E-11	1,000,000	6.26E-05	9.1E-04			
337	1.1547E-06	3.5533E-07	2.50E-04	8.89E-11	14.00	1.57E-02	1.96E-11	1,000,000	1.96E-05	2.8E-04			
338	1.1547E-06	3.9651E-07	2.50E-04	9.92E-11	14.00	1.57E-02	2.18E-11	1,000,000	2.18E-05	3.2E-04			
339	1.1547E-06	4.4007E-07	2.50E-04	1.10E-10	14.00	1.57E-02	2.42E-11	1,000,000	2.42E-05	3.5E-04			
340	1.1547E-06	5.0423E-07	2.50E-04	1.26E-10	14.00	1.57E-02	2.78E-11	1,000,000	2.78E-05	4.0E-04			
341	1.1547E-06	5.6838E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.13E-11	1,000,000	3.13E-05	4.5E-04			
342	1.1547E-06	6.7899E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.74E-11	1,000,000	3.74E-05	5.4E-04			
343	1.1547E-06	7.7435E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.26E-11	1,000,000	4.26E-05	6.2E-04			
344	1.1547E-06	9.1184E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.02E-11	1,000,000	5.02E-05	7.3E-04			
345	1.1547E-06	1.0699E-06	2.50E-04	2.68E-10	14.00	1.57E-02	5.89E-11	1,000,000	5.89E-05	8.5E-04			
346	1.1547E-06	1.2639E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.96E-11	1,000,000	6.96E-05	1.0E-03			
347	1.1547E-06	1.3988E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.70E-11	1,000,000	7.70E-05	1.1E-03			
348	1.1547E-06	1.5231E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.39E-11	1,000,000	8.39E-05	1.2E-03			
349	1.1547E-06	1.4213E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.1547E-06	1.4171E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.80E-11	1,000,000	7.80E-05	1.1E-03			
351	1.1547E-06	1.3992E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.70E-11	1,000,000	7.70E-05	1.1E-03			
352	1.1547E-06	1.323E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.28E-11	1,000,000	7.28E-05	1.1E-03			
353	1.1547E-06	1.3393E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.37E-11	1,000,000	7.37E-05	1.1E-03			
354	1.1547E-06	1.2801E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
355	1.1547E-06	1.2278E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
356	1.1547E-06	1.1637E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			
357	1.1547E-06	1.0862E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.98E-11	1,000,000	5.98E-05	8.7E-04			
358	1.1547E-06	1.0138E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.58E-11	1,000,000	5.58E-05	8.1E-04			
359	1.1547E-06	3.0878E-07	2.50E-04	7.73E-11	14.00	1.57E-02	1.70E-11	1,000,000	1.70E-05	2.5E-04			
360	1.1547E-06	3.4379E-07	2.50E-04	8.60E-11	14.00	1.57E-02	1.89E-11	1,000,000	1.89E-05	2.7E-04			
361	1.1547E-06	3.81E-07	2.50E-04	9.54E-11	14.00	1.57E-02	2.10E-11	1,000,000	2.10E-05	3.0E-04			
362	1.1547E-06	4.2431E-07	2.50E-04	1.06E-10	14.00	1.57E-02	2.34E-11	1,000,000	2.34E-05	3.4E-04			
363	1.1547E-06	4.7068E-07	2.50E-04	1.18E-10	14.00	1.57E-02	2.59E-11	1,000,000	2.59E-05	3.7E-04			
364	1.1547E-06	5.4198E-07	2.50E-04	1.36E-10	14.00	1.57E-02	2.98E-11	1,000,000	2.98E-05	4.3E-04			
365	1.1547E-06	6.2404E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.44E-11	1,000,000	3.44E-05	5.0E-04			
366	1.1547E-06	7.2337E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.98E-11	1,000,000	3.98E-05	5.8E-04			
367	1.1547E-06	8.4878E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.67E-11	1,000,000	4.67E-05	6.8E-04			
368	1.1547E-06	9.5244E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.24E-11	1,000,000	5.24E-05	7.6E-04			
369	1.1547E-06	1.0214E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04			
370	1.1547E-06	1.0466E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
371	1.1547E-06	1.0824E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
372	1.1547E-06	1.0836E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.97E-11	1,000,000	5.97E-05	8.6E-04			
373	1.1547E-06	1.0442E-06	2.50E-04	2.61E-10	14.00	1.57E-02	5.75E-11	1,000,000	5.75E-05	8.3E-04			
374	1.1547E-06	1.0028E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.52E-11	1,000,000	5.52E-05	8.0E-04			
375	1.1547E-06	1.0246E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
376	1.1547E-06	1.001E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
377	1.1547E-06	9.8952E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
378	1.1547E-06	9.908E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.46E-11	1,000,000	5.46E-05	7.9E-04			
379	1.1547E-06	9.4508E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.20E-11	1,000,000	5.20E-05	7.5E-04			
380	1.1547E-06	8.8732E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.89E-11	1,000,000	4.89E-05	7.1E-04			
381	1.1547E-06	1.1635E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			
382	1.1547E-06	1.3272E-06	2.50E-04	3.32E-10	14.00	1.57E-02	7.31E-11	1,000,000	7.31E-05	1.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.1547E-06	1.5225E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
384	1.1547E-06	1.754E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.66E-11	1,000,000	9.66E-05	1.4E-03			
385	1.1547E-06	2.0251E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
386	1.1547E-06	2.3319E-06	2.50E-04	5.84E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
387	1.1547E-06	2.6598E-06	2.50E-04	6.66E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
388	1.1547E-06	2.9823E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
389	1.1547E-06	3.2487E-06	2.50E-04	8.13E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
390	1.1547E-06	3.4022E-06	2.50E-04	8.51E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
391	1.1547E-06	3.3991E-06	2.50E-04	8.51E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
392	1.1547E-06	3.2387E-06	2.50E-04	8.11E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
393	1.1547E-06	2.9586E-06	2.50E-04	7.40E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
394	1.1547E-06	2.6238E-06	2.50E-04	6.57E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
395	1.1547E-06	2.277E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
396	1.1547E-06	1.9619E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
397	1.1547E-06	1.6901E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.31E-11	1,000,000	9.31E-05	1.3E-03			
398	1.1547E-06	1.4609E-06	2.50E-04	3.66E-10	14.00	1.57E-02	8.04E-11	1,000,000	8.04E-05	1.2E-03			
399	1.1547E-06	1.2591E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
400	1.1547E-06	1.4573E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.02E-11	1,000,000	8.02E-05	1.2E-03			
401	1.1547E-06	1.7022E-06	2.50E-04	4.26E-10	14.00	1.57E-02	9.37E-11	1,000,000	9.37E-05	1.4E-03			
402	1.1547E-06	2.0056E-06	2.50E-04	5.02E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
403	1.1547E-06	2.3792E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
404	1.1547E-06	2.8297E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
405	1.1547E-06	3.353E-06	2.50E-04	8.39E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
406	1.1547E-06	3.9113E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
407	1.1547E-06	4.4118E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
408	1.1547E-06	4.7275E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
409	1.1547E-06	4.7356E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
410	1.1547E-06	4.4242E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
411	1.1547E-06	3.9114E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
412	1.1547E-06	3.3306E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.7E-03			
413	1.1547E-06	2.7767E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
414	1.1547E-06	2.3109E-06	2.50E-04	5.78E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
415	1.1547E-06	1.9341E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.1547E-06	1.6305E-06	2.50E-04	4.08E-10	14.00	1.57E-02	8.98E-11	1,000,000	8.98E-05	1.3E-03			
417	1.1547E-06	1.3467E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.42E-11	1,000,000	7.42E-05	1.1E-03			
418	1.1547E-06	1.5822E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
419	1.1547E-06	1.8873E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
420	1.1547E-06	2.2784E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
421	1.1547E-06	2.7904E-06	2.50E-04	6.98E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
422	1.1547E-06	3.4625E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
423	1.1547E-06	4.3263E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
424	1.1547E-06	5.3617E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
425	1.1547E-06	6.4008E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
426	1.1547E-06	7.12E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.92E-10	1,000,000	3.92E-04	5.7E-03			
427	1.1547E-06	7.1544E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.7E-03			
428	1.1547E-06	6.5078E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
429	1.1547E-06	5.4414E-06	2.50E-04	1.36E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03			
430	1.1547E-06	4.3315E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.5E-03			
431	1.1547E-06	3.4141E-06	2.50E-04	8.54E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
432	1.1547E-06	2.7214E-06	2.50E-04	6.81E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
433	1.1547E-06	2.2153E-06	2.50E-04	5.54E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
434	1.1547E-06	1.8273E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
435	1.1547E-06	1.3618E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.50E-11	1,000,000	7.50E-05	1.1E-03			
436	1.1547E-06	1.6544E-06	2.50E-04	4.14E-10	14.00	1.57E-02	9.11E-11	1,000,000	9.11E-05	1.3E-03			
437	1.1547E-06	2.0531E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
438	1.1547E-06	2.5551E-06	2.50E-04	6.39E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
439	1.1547E-06	3.2383E-06	2.50E-04	8.10E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
440	1.1547E-06	4.2187E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
441	1.1547E-06	5.6504E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
442	1.1547E-06	7.704E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
443	1.1547E-06	1.0267E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.65E-10	1,000,000	5.65E-04	8.2E-03			
444	1.1547E-06	1.2286E-05	2.50E-04	3.07E-09	14.00	1.57E-02	6.76E-10	1,000,000	6.76E-04	9.8E-03			
445	1.1547E-06	1.248E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
446	1.1547E-06	1.0818E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.96E-10	1,000,000	5.96E-04	8.6E-03			
447	1.1547E-06	8.1647E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.50E-10	1,000,000	4.50E-04	6.5E-03			
448	1.1547E-06	5.8038E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.1547E-06	4.2291E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
450	1.1547E-06	3.2084E-06	2.50E-04	8.03E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
451	1.1547E-06	2.5082E-06	2.50E-04	6.28E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
452	1.1547E-06	2.0292E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
453	1.1547E-06	1.3544E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
454	1.1547E-06	1.6597E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.14E-11	1,000,000	9.14E-05	1.3E-03			
455	1.1547E-06	2.1234E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
456	1.1547E-06	2.7642E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
457	1.1547E-06	3.6602E-06	2.50E-04	9.16E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
458	1.1547E-06	5.0252E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
459	1.1547E-06	7.3133E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
460	1.1547E-06	1.1521E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
461	1.1547E-06	1.9491E-05	2.50E-04	4.88E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
462	1.1547E-06	2.8139E-05	2.50E-04	7.04E-09	14.00	1.57E-02	1.55E-09	1,000,000	1.55E-03	2.2E-02			
463	1.1547E-06	2.9045E-05	2.50E-04	7.27E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
464	1.1547E-06	2.3735E-05	2.50E-04	5.94E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
465	1.1547E-06	1.3975E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.69E-10	1,000,000	7.69E-04	1.1E-02			
466	1.1547E-06	7.9954E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.4E-03			
467	1.1547E-06	5.2256E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
468	1.1547E-06	3.7367E-06	2.50E-04	9.35E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
469	1.1547E-06	2.8332E-06	2.50E-04	7.09E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
470	1.1547E-06	2.2382E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
471	1.1547E-06	1.2815E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
472	1.1547E-06	1.6246E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.95E-11	1,000,000	8.95E-05	1.3E-03			
473	1.1547E-06	2.1033E-06	2.50E-04	5.26E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
474	1.1547E-06	2.75E-06	2.50E-04	6.88E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
475	1.1547E-06	3.7382E-06	2.50E-04	9.36E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
476	1.1547E-06	1.0483E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.77E-10	1,000,000	5.77E-04	8.4E-03			
477	1.1547E-06	6.1637E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
478	1.1547E-06	4.2338E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
479	1.1547E-06	3.1295E-06	2.50E-04	7.83E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
480	1.1547E-06	2.4268E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
481	1.1547E-06	1.185E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.52E-11	1,000,000	6.52E-05	9.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.1547E-06	1.5382E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
483	1.1547E-06	1.9447E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
484	1.1547E-06	2.5828E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
485	1.1547E-06	3.7499E-06	2.50E-04	9.38E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
486	1.1547E-06	1.0288E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
487	1.1547E-06	6.4252E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
488	1.1547E-06	4.4379E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
489	1.1547E-06	3.2858E-06	2.50E-04	8.22E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
490	1.1547E-06	2.545E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
491	1.1547E-06	1.0663E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.87E-11	1,000,000	5.87E-05	8.5E-04			
492	1.1547E-06	1.3506E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.44E-11	1,000,000	7.44E-05	1.1E-03			
493	1.1547E-06	1.7058E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.39E-11	1,000,000	9.39E-05	1.4E-03			
494	1.1547E-06	2.2915E-06	2.50E-04	5.74E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
495	1.1547E-06	3.3145E-06	2.50E-04	8.30E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
496	1.1547E-06	1.7646E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.72E-10	1,000,000	9.72E-04	1.4E-02			
497	1.1547E-06	5.7831E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.18E-09	1,000,000	3.18E-03	4.6E-02			
498	1.1547E-06	1.2192E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
499	1.1547E-06	8.309E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.57E-10	1,000,000	4.57E-04	6.6E-03			
500	1.1547E-06	5.8187E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
501	1.1547E-06	4.254E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
502	1.1547E-06	3.2352E-06	2.50E-04	8.10E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
503	1.1547E-06	2.5445E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
504	1.1547E-06	9.4304E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.19E-11	1,000,000	5.19E-05	7.5E-04			
505	1.1547E-06	1.1421E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
506	1.1547E-06	1.5082E-06	2.50E-04	3.77E-10	14.00	1.57E-02	8.30E-11	1,000,000	8.30E-05	1.2E-03			
507	1.1547E-06	1.9341E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
508	1.1547E-06	2.7906E-06	2.50E-04	6.98E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
509	1.1547E-06	4.0684E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
510	1.1547E-06	6.5394E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
511	1.1547E-06	1.2161E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.70E-10	1,000,000	6.70E-04	9.7E-03			
512	1.1547E-06	3.222E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
513	1.1547E-06	3.9023E-05	2.50E-04	9.77E-09	14.00	1.57E-02	2.15E-09	1,000,000	2.15E-03	3.1E-02			
514	1.1547E-06	2.0308E-05	2.50E-04	5.08E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.1547E-06	1.2544E-05	2.50E-04	3.14E-09	14.00	1.57E-02	6.91E-10	1,000,000	6.91E-04	1.0E-02			
516	1.1547E-06	8.909E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
517	1.1547E-06	6.5583E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.61E-10	1,000,000	3.61E-04	5.2E-03			
518	1.1547E-06	4.9446E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
519	1.1547E-06	3.8161E-06	2.50E-04	9.55E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
520	1.1547E-06	3.0126E-06	2.50E-04	7.54E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
521	1.1547E-06	2.4298E-06	2.50E-04	6.08E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
522	1.1547E-06	8.1649E-07	2.50E-04	2.04E-10	14.00	1.57E-02	4.50E-11	1,000,000	4.50E-05	6.5E-04			
523	1.1547E-06	1.0088E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
524	1.1547E-06	1.2691E-06	2.50E-04	3.18E-10	14.00	1.57E-02	6.99E-11	1,000,000	6.99E-05	1.0E-03			
525	1.1547E-06	1.6234E-06	2.50E-04	4.06E-10	14.00	1.57E-02	8.94E-11	1,000,000	8.94E-05	1.3E-03			
526	1.1547E-06	2.0775E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
527	1.1547E-06	3.1182E-06	2.50E-04	7.80E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
528	1.1547E-06	4.5873E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
529	1.1547E-06	7.2481E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
530	1.1547E-06	1.1862E-05	2.50E-04	2.97E-09	14.00	1.57E-02	6.53E-10	1,000,000	6.53E-04	9.4E-03			
531	1.1547E-06	1.4275E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.86E-10	1,000,000	7.86E-04	1.1E-02			
532	1.1547E-06	1.1197E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.17E-10	1,000,000	6.17E-04	8.9E-03			
533	1.1547E-06	8.5217E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
534	1.1547E-06	6.4328E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
535	1.1547E-06	5.1196E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
536	1.1547E-06	4.0885E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
537	1.1547E-06	3.3039E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
538	1.1547E-06	2.6997E-06	2.50E-04	6.76E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
539	1.1547E-06	2.2371E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
540	1.1547E-06	7.0773E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.90E-11	1,000,000	3.90E-05	5.6E-04			
541	1.1547E-06	8.577E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
542	1.1547E-06	1.0522E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.79E-11	1,000,000	5.79E-05	8.4E-04			
543	1.1547E-06	1.3161E-06	2.50E-04	3.29E-10	14.00	1.57E-02	7.25E-11	1,000,000	7.25E-05	1.0E-03			
544	1.1547E-06	1.7374E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.57E-11	1,000,000	9.57E-05	1.4E-03			
545	1.1547E-06	2.26E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
546	1.1547E-06	3.1267E-06	2.50E-04	7.83E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
547	1.1547E-06	4.2355E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.1547E-06	5.7461E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.16E-10	1,000,000	3.16E-04	4.6E-03			
549	1.1547E-06	6.5825E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.62E-10	1,000,000	3.62E-04	5.2E-03			
550	1.1547E-06	6.3679E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
551	1.1547E-06	5.8152E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
552	1.1547E-06	4.6112E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
553	1.1547E-06	3.8402E-06	2.50E-04	9.61E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
554	1.1547E-06	3.2408E-06	2.50E-04	8.11E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
555	1.1547E-06	2.8079E-06	2.50E-04	7.03E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
556	1.1547E-06	2.3651E-06	2.50E-04	5.92E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
557	1.1547E-06	2.0093E-06	2.50E-04	5.03E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
558	1.1547E-06	6.1511E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.39E-11	1,000,000	3.39E-05	4.9E-04			
559	1.1547E-06	7.3362E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.04E-11	1,000,000	4.04E-05	5.8E-04			
560	1.1547E-06	8.6021E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.74E-11	1,000,000	4.74E-05	6.9E-04			
561	1.1547E-06	1.0553E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
562	1.1547E-06	1.2813E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
563	1.1547E-06	1.6127E-06	2.50E-04	4.04E-10	14.00	1.57E-02	8.88E-11	1,000,000	8.88E-05	1.3E-03			
564	1.1547E-06	2.1397E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
565	1.1547E-06	2.6833E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
566	1.1547E-06	3.3697E-06	2.50E-04	8.43E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
567	1.1547E-06	3.7895E-06	2.50E-04	9.48E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
568	1.1547E-06	4.0129E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
569	1.1547E-06	3.5662E-06	2.50E-04	8.93E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
570	1.1547E-06	3.1613E-06	2.50E-04	7.91E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
571	1.1547E-06	2.8747E-06	2.50E-04	7.19E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
572	1.1547E-06	2.5937E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
573	1.1547E-06	2.2838E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
574	1.1547E-06	2.0195E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
575	1.1547E-06	1.7787E-06	2.50E-04	4.45E-10	14.00	1.57E-02	9.79E-11	1,000,000	9.79E-05	1.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.62E-07		1.176E-05	166 Res
2	5	1.78E-07			
3	5	1.96E-07			
4	5	2.17E-07			
5	5	2.39E-07			
6	5	2.64E-07			
7	5	2.88E-07			
8	5	3.13E-07			
9	5	3.36E-07			
10	5	3.54E-07			
11	5	3.65E-07			
12	5	3.69E-07			
13	5	3.64E-07			
14	5	3.50E-07			
15	5	3.30E-07			
16	5	3.06E-07			
17	5	2.81E-07			
18	5	2.56E-07			
19	5	2.31E-07			
20	5	2.09E-07			
21	5	1.89E-07			
22	5	1.71E-07			
23	5	1.74E-07			
24	5	1.94E-07			
25	5	2.16E-07			
26	5	2.42E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.71E-07			
28	5	3.03E-07			
29	5	3.37E-07			
30	5	3.73E-07			
31	5	4.07E-07			
32	5	4.35E-07			
33	5	4.53E-07			
34	5	4.60E-07			
35	5	4.52E-07			
36	5	4.32E-07			
37	5	4.00E-07			
38	5	3.65E-07			
39	5	3.29E-07			
40	5	2.94E-07			
41	5	2.61E-07			
42	5	2.32E-07			
43	5	2.07E-07			
44	5	1.86E-07			
45	5	1.87E-07			
46	5	2.10E-07			
47	5	2.37E-07			
48	5	2.69E-07			
49	5	3.07E-07			
50	5	3.50E-07			
51	5	3.99E-07			
52	5	4.51E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	5.04E-07			
54	5	5.49E-07			
55	5	5.81E-07			
56	5	5.92E-07			
57	5	5.80E-07			
58	5	5.47E-07			
59	5	4.96E-07			
60	5	4.41E-07			
61	5	3.88E-07			
62	5	3.39E-07			
63	5	2.96E-07			
64	5	2.59E-07			
65	5	2.28E-07			
66	5	2.02E-07			
67	5	1.99E-07			
68	5	2.27E-07			
69	5	2.59E-07			
70	5	2.99E-07			
71	5	3.47E-07			
72	5	4.06E-07			
73	5	4.75E-07			
74	5	5.54E-07			
75	5	6.39E-07			
76	5	7.19E-07			
77	5	7.79E-07			
78	5	8.03E-07			
79	5	7.79E-07			
80	5	7.18E-07			
81	5	6.33E-07			
82	5	5.46E-07			
83	5	4.63E-07			
84	5	3.93E-07			
85	5	3.33E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	2.87E-07			
87	5	2.49E-07			
88	5	2.18E-07			
89	5	2.11E-07			
90	5	2.43E-07			
91	5	2.82E-07			
92	5	3.30E-07			
93	5	3.91E-07			
94	5	4.69E-07			
95	5	5.68E-07			
96	5	6.90E-07			
97	5	8.35E-07			
98	5	9.86E-07			
99	5	1.11E-06			
100	5	1.16E-06			
101	5	1.11E-06			
102	5	9.92E-07			
103	5	8.36E-07			
104	5	6.82E-07			
105	5	5.56E-07			
106	5	4.55E-07			
107	5	3.78E-07			
108	5	3.18E-07			
109	5	2.72E-07			
110	5	2.36E-07			
111	5	2.16E-07			
112	5	2.55E-07			
113	5	2.97E-07			
114	5	3.55E-07			
115	5	4.36E-07			
116	5	5.38E-07			
117	5	6.77E-07			
118	5	8.69E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	1.13E-06			
120	5	1.44E-06			
121	5	1.74E-06			
122	5	1.87E-06			
123	5	1.77E-06			
124	5	1.49E-06			
125	5	1.15E-06			
126	5	8.69E-07			
127	5	6.68E-07			
128	5	5.27E-07			
129	5	4.25E-07			
130	5	3.52E-07			
131	5	2.96E-07			
132	5	2.53E-07			
133	5	2.13E-07			
134	5	2.51E-07			
135	5	3.00E-07			
136	5	3.75E-07			
137	5	4.77E-07			
138	5	6.07E-07			
139	5	7.96E-07			
140	5	1.09E-06			
141	5	1.55E-06			
142	5	2.29E-06			
143	5	3.20E-06			
144	5	3.65E-06			
145	5	3.39E-06			
146	5	2.56E-06			
147	5	1.68E-06			
148	5	1.12E-06			
149	5	8.04E-07			
150	5	6.06E-07			
151	5	4.75E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	3.86E-07			
153	5	3.20E-07			
154	5	2.71E-07			
155	5	1.95E-07			
156	5	2.35E-07			
157	5	2.96E-07			
158	5	3.66E-07			
159	5	4.78E-07			
160	5	6.37E-07			
161	5	8.84E-07			
162	5	1.31E-06			
163	5	2.10E-06			
164	5	3.96E-06			
165	5	9.21E-06			
166	5	1.18E-05			
167	5	1.10E-05			
168	5	6.77E-06			
169	5	2.60E-06			
170	5	1.43E-06			
171	5	9.46E-07			
172	5	6.87E-07			
173	5	5.26E-07			
174	5	4.19E-07			
175	5	3.44E-07			
176	5	2.89E-07			
177	5	1.84E-07			
178	5	2.27E-07			
179	5	2.89E-07			
180	5	3.71E-07			
181	5	4.84E-07			
182	5	6.46E-07			
183	5	9.22E-07			
184	5	3.11E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	1.63E-06			
186	5	1.05E-06			
187	5	7.47E-07			
188	5	5.65E-07			
189	5	4.46E-07			
190	5	3.63E-07			
191	5	3.03E-07			
192	5	1.68E-07			
193	5	2.04E-07			
194	5	2.59E-07			
195	5	3.35E-07			
196	5	4.48E-07			
197	5	6.00E-07			
198	5	8.72E-07			
199	5	6.09E-06			
200	5	2.35E-06			
201	5	1.51E-06			
202	5	1.03E-06			
203	5	7.55E-07			
204	5	5.77E-07			
205	5	4.58E-07			
206	5	3.73E-07			
207	5	3.11E-07			
208	5	1.52E-07			
209	5	1.84E-07			
210	5	2.20E-07			
211	5	2.85E-07			
212	5	3.69E-07			
213	5	5.08E-07			
214	5	7.56E-07			
215	5	1.17E-06			
216	5	2.16E-06			
217	5	4.85E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	2.48E-06			
219	5	1.74E-06			
220	5	1.26E-06			
221	5	9.31E-07			
222	5	7.11E-07			
223	5	5.59E-07			
224	5	4.50E-07			
225	5	3.71E-07			
226	5	3.11E-07			
227	5	1.35E-07			
228	5	1.60E-07			
229	5	1.93E-07			
230	5	2.41E-07			
231	5	3.10E-07			
232	5	4.03E-07			
233	5	5.91E-07			
234	5	8.78E-07			
235	5	1.45E-06			
236	5	2.67E-06			
237	5	5.42E-06			
238	5	4.09E-06			
239	5	2.49E-06			
240	5	1.76E-06			
241	5	1.33E-06			
242	5	1.01E-06			
243	5	8.00E-07			
244	5	6.37E-07			
245	5	5.17E-07			
246	5	4.26E-07			
247	5	3.56E-07			
248	5	3.03E-07			
249	5	1.21E-07			
250	5	1.41E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.66E-07			
252	5	2.05E-07			
253	5	2.55E-07			
254	5	3.41E-07			
255	5	4.51E-07			
256	5	6.55E-07			
257	5	9.18E-07			
258	5	1.30E-06			
259	5	1.78E-06			
260	5	1.79E-06			
261	5	1.52E-06			
262	5	1.22E-06			
263	5	9.82E-07			
264	5	8.02E-07			
265	5	6.71E-07			
266	5	5.55E-07			
267	5	4.63E-07			
268	5	3.91E-07			
269	5	3.33E-07			
270	5	2.87E-07			
271	5	1.06E-07			
272	5	1.21E-07			
273	5	1.43E-07			
274	5	1.71E-07			
275	5	2.08E-07			
276	5	2.65E-07			
277	5	3.41E-07			
278	5	4.39E-07			
279	5	5.87E-07			
280	5	7.58E-07			
281	5	9.25E-07			
282	5	1.01E-06			
283	5	9.56E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	8.06E-07			
285	5	7.14E-07			
286	5	6.20E-07			
287	5	5.38E-07			
288	5	4.70E-07			
289	5	4.11E-07			
290	5	3.52E-07			
291	5	3.06E-07			
292	5	2.67E-07			
293	5	9.29E-08			
294	5	1.06E-07			
295	5	1.23E-07			
296	5	1.42E-07			
297	5	1.72E-07			
298	5	2.08E-07			
299	5	2.57E-07			
300	5	3.27E-07			
301	5	3.93E-07			
302	5	4.93E-07			
303	5	5.76E-07			
304	5	6.42E-07			
305	5	6.33E-07			
306	5	5.68E-07			
307	5	5.19E-07			
308	5	4.68E-07			
309	5	4.39E-07			
310	5	3.91E-07			
311	5	3.51E-07			
312	5	3.13E-07			
313	5	2.78E-07			
314	5	2.49E-07			
315	5	8.03E-08			
316	5	9.12E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	1.04E-07			
318	5	1.19E-07			
319	5	1.36E-07			
320	5	1.67E-07			
321	5	1.97E-07			
322	5	2.37E-07			
323	5	2.90E-07			
324	5	3.42E-07			
325	5	3.93E-07			
326	5	4.33E-07			
327	5	4.99E-07			
328	5	4.02E-07			
329	5	3.79E-07			
330	5	3.62E-07			
331	5	3.43E-07			
332	5	3.21E-07			
333	5	2.95E-07			
334	5	2.73E-07			
335	5	2.49E-07			
336	5	2.27E-07			
337	5	7.11E-08			
338	5	7.93E-08			
339	5	8.80E-08			
340	5	1.01E-07			
341	5	1.14E-07			
342	5	1.36E-07			
343	5	1.55E-07			
344	5	1.82E-07			
345	5	2.14E-07			
346	5	2.53E-07			
347	5	2.80E-07			
348	5	3.05E-07			
349	5	2.84E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	2.83E-07			
351	5	2.80E-07			
352	5	2.65E-07			
353	5	2.68E-07			
354	5	2.56E-07			
355	5	2.46E-07			
356	5	2.33E-07			
357	5	2.17E-07			
358	5	2.03E-07			
359	5	6.18E-08			
360	5	6.88E-08			
361	5	7.62E-08			
362	5	8.49E-08			
363	5	9.41E-08			
364	5	1.08E-07			
365	5	1.25E-07			
366	5	1.45E-07			
367	5	1.70E-07			
368	5	1.90E-07			
369	5	2.04E-07			
370	5	2.09E-07			
371	5	2.16E-07			
372	5	2.17E-07			
373	5	2.09E-07			
374	5	2.01E-07			
375	5	2.05E-07			
376	5	2.00E-07			
377	5	1.98E-07			
378	5	1.98E-07			
379	5	1.89E-07			
380	5	1.77E-07			
381	5	2.33E-07			
382	5	2.65E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	3.04E-07			
384	5	3.51E-07			
385	5	4.05E-07			
386	5	4.66E-07			
387	5	5.32E-07			
388	5	5.96E-07			
389	5	6.50E-07			
390	5	6.80E-07			
391	5	6.80E-07			
392	5	6.48E-07			
393	5	5.92E-07			
394	5	5.25E-07			
395	5	4.55E-07			
396	5	3.92E-07			
397	5	3.38E-07			
398	5	2.92E-07			
399	5	2.52E-07			
400	5	2.91E-07			
401	5	3.40E-07			
402	5	4.01E-07			
403	5	4.76E-07			
404	5	5.66E-07			
405	5	6.71E-07			
406	5	7.82E-07			
407	5	8.82E-07			
408	5	9.46E-07			
409	5	9.47E-07			
410	5	8.85E-07			
411	5	7.82E-07			
412	5	6.66E-07			
413	5	5.55E-07			
414	5	4.62E-07			
415	5	3.87E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	3.26E-07			
417	5	2.69E-07			
418	5	3.16E-07			
419	5	3.77E-07			
420	5	4.56E-07			
421	5	5.58E-07			
422	5	6.92E-07			
423	5	8.65E-07			
424	5	1.07E-06			
425	5	1.28E-06			
426	5	1.42E-06			
427	5	1.43E-06			
428	5	1.30E-06			
429	5	1.09E-06			
430	5	8.66E-07			
431	5	6.83E-07			
432	5	5.44E-07			
433	5	4.43E-07			
434	5	3.65E-07			
435	5	2.72E-07			
436	5	3.31E-07			
437	5	4.11E-07			
438	5	5.11E-07			
439	5	6.48E-07			
440	5	8.44E-07			
441	5	1.13E-06			
442	5	1.54E-06			
443	5	2.05E-06			
444	5	2.46E-06			
445	5	2.50E-06			
446	5	2.16E-06			
447	5	1.63E-06			
448	5	1.16E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	8.46E-07			
450	5	6.42E-07			
451	5	5.02E-07			
452	5	4.06E-07			
453	5	2.71E-07			
454	5	3.32E-07			
455	5	4.25E-07			
456	5	5.53E-07			
457	5	7.32E-07			
458	5	1.01E-06			
459	5	1.46E-06			
460	5	2.30E-06			
461	5	3.90E-06			
462	5	5.63E-06			
463	5	5.81E-06			
464	5	4.75E-06			
465	5	2.80E-06			
466	5	1.60E-06			
467	5	1.05E-06			
468	5	7.47E-07			
469	5	5.67E-07			
470	5	4.48E-07			
471	5	2.56E-07			
472	5	3.25E-07			
473	5	4.21E-07			
474	5	5.50E-07			
475	5	7.48E-07			
476	5	2.10E-06			
477	5	1.23E-06			
478	5	8.47E-07			
479	5	6.26E-07			
480	5	4.85E-07			
481	5	2.37E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	3.08E-07			
483	5	3.89E-07			
484	5	5.17E-07			
485	5	7.50E-07			
486	5	2.06E-06			
487	5	1.29E-06			
488	5	8.88E-07			
489	5	6.57E-07			
490	5	5.09E-07			
491	5	2.13E-07			
492	5	2.70E-07			
493	5	3.41E-07			
494	5	4.58E-07			
495	5	6.63E-07			
496	5	3.53E-06			
497	5	1.16E-05			
498	5	2.44E-06			
499	5	1.66E-06			
500	5	1.16E-06			
501	5	8.51E-07			
502	5	6.47E-07			
503	5	5.09E-07			
504	5	1.89E-07			
505	5	2.28E-07			
506	5	3.02E-07			
507	5	3.87E-07			
508	5	5.58E-07			
509	5	8.14E-07			
510	5	1.31E-06			
511	5	2.43E-06			
512	5	6.44E-06			
513	5	7.80E-06			
514	5	4.06E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	2.51E-06			
516	5	1.78E-06			
517	5	1.31E-06			
518	5	9.89E-07			
519	5	7.63E-07			
520	5	6.03E-07			
521	5	4.86E-07			
522	5	1.63E-07			
523	5	2.02E-07			
524	5	2.54E-07			
525	5	3.25E-07			
526	5	4.15E-07			
527	5	6.24E-07			
528	5	9.17E-07			
529	5	1.45E-06			
530	5	2.37E-06			
531	5	2.85E-06			
532	5	2.24E-06			
533	5	1.70E-06			
534	5	1.29E-06			
535	5	1.02E-06			
536	5	8.18E-07			
537	5	6.61E-07			
538	5	5.40E-07			
539	5	4.47E-07			
540	5	1.42E-07			
541	5	1.72E-07			
542	5	2.10E-07			
543	5	2.63E-07			
544	5	3.47E-07			
545	5	4.52E-07			
546	5	6.25E-07			
547	5	8.47E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE7

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.15E-06			
549	5	1.32E-06			
550	5	1.27E-06			
551	5	1.16E-06			
552	5	9.22E-07			
553	5	7.68E-07			
554	5	6.48E-07			
555	5	5.62E-07			
556	5	4.73E-07			
557	5	4.02E-07			
558	5	1.23E-07			
559	5	1.47E-07			
560	5	1.72E-07			
561	5	2.11E-07			
562	5	2.56E-07			
563	5	3.23E-07			
564	5	4.28E-07			
565	5	5.37E-07			
566	5	6.74E-07			
567	5	7.58E-07			
568	5	8.03E-07			
569	5	7.13E-07			
570	5	6.32E-07			
571	5	5.75E-07			
572	5	5.19E-07			
573	5	4.57E-07			
574	5	4.04E-07			
575	5	3.56E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.88	**2.8686E-06**	2.5125E-06	3.46E-04	8.70E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
2	0.97403	2.8686E-06	2.7941E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
3	1.08376	2.8686E-06	3.1089E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.23E-11	1,000,000	4.23E-05
4	1.20347	2.8686E-06	3.4523E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
5	1.33119	2.8686E-06	3.8187E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.19E-11	1,000,000	5.19E-05
6	1.46117	2.8686E-06	4.1915E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.70E-11	1,000,000	5.70E-05
7	1.5822	2.8686E-06	4.5387E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
8	1.68325	2.8686E-06	4.8286E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.57E-11	1,000,000	6.57E-05
9	1.75267	2.8686E-06	5.0277E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.84E-11	1,000,000	6.84E-05
10	1.77678	2.8686E-06	5.0969E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.93E-11	1,000,000	6.93E-05
11	1.75142	2.8686E-06	5.0242E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.83E-11	1,000,000	6.83E-05
12	1.68152	2.8686E-06	4.8236E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.56E-11	1,000,000	6.56E-05
13	1.57804	2.8686E-06	4.5268E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05
14	1.45485	2.8686E-06	4.1734E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.68E-11	1,000,000	5.68E-05
15	1.32482	2.8686E-06	3.8004E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.17E-11	1,000,000	5.17E-05
16	1.19586	2.8686E-06	3.4305E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
17	1.07707	2.8686E-06	3.0897E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
18	0.9683	2.8686E-06	2.7777E-06	3.46E-04	9.62E-10	0.25	1.57E-01	3.78E-11	1,000,000	3.78E-05
19	0.86993	2.8686E-06	2.4955E-06	3.46E-04	8.64E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
20	0.78462	2.8686E-06	2.2508E-06	3.46E-04	7.79E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
21	0.7092	2.8686E-06	2.0344E-06	3.46E-04	7.04E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
22	0.64223	2.8686E-06	1.8423E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
23	0.95955	2.8686E-06	2.7526E-06	3.46E-04	9.53E-10	0.25	1.57E-01	3.74E-11	1,000,000	3.74E-05
24	1.08173	2.8686E-06	3.1031E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
25	1.22249	2.8686E-06	3.5069E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
26	1.38238	2.8686E-06	3.9655E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.39E-11	1,000,000	5.39E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.55897	2.8686E-06	4.4721E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.08E-11	1,000,000	6.08E-05
28	1.74784	2.8686E-06	5.0139E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.82E-11	1,000,000	6.82E-05
29	1.93087	2.8686E-06	5.5389E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
30	2.09292	2.8686E-06	6.0038E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.16E-11	1,000,000	8.16E-05
31	2.20391	2.8686E-06	6.3222E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.60E-11	1,000,000	8.60E-05
32	2.24331	2.8686E-06	6.4352E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05
33	2.2	2.8686E-06	6.311E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
34	2.089	2.8686E-06	5.9925E-06	3.46E-04	2.07E-09	0.25	1.57E-01	8.15E-11	1,000,000	8.15E-05
35	1.92858	2.8686E-06	5.5324E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.52E-11	1,000,000	7.52E-05
36	1.74492	2.8686E-06	5.0055E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.81E-11	1,000,000	6.81E-05
37	1.55224	2.8686E-06	4.4528E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.06E-11	1,000,000	6.06E-05
38	1.37505	2.8686E-06	3.9445E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
39	1.21835	2.8686E-06	3.495E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.75E-11	1,000,000	4.75E-05
40	1.07877	2.8686E-06	3.0946E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.21E-11	1,000,000	4.21E-05
41	0.95653	2.8686E-06	2.7439E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
42	0.85126	2.8686E-06	2.4419E-06	3.46E-04	8.45E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
43	0.76076	2.8686E-06	2.1823E-06	3.46E-04	7.55E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
44	0.68655	2.8686E-06	1.9695E-06	3.46E-04	6.82E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
45	1.04756	2.8686E-06	3.0051E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
46	1.1984	2.8686E-06	3.4378E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
47	1.3787	2.8686E-06	3.955E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.38E-11	1,000,000	5.38E-05
48	1.59248	2.8686E-06	4.5682E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.21E-11	1,000,000	6.21E-05
49	1.84058	2.8686E-06	5.2799E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
50	2.11836	2.8686E-06	6.0768E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.26E-11	1,000,000	8.26E-05
51	2.40873	2.8686E-06	6.9097E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.40E-11	1,000,000	9.40E-05
52	2.67652	2.8686E-06	7.6779E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.8734	2.8686E-06	8.2427E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
54	2.9427	2.8686E-06	8.4415E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
55	2.8683	2.8686E-06	8.2281E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
56	2.67289	2.8686E-06	7.6675E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
57	2.40479	2.8686E-06	6.8984E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.38E-11	1,000,000	9.38E-05
58	2.12117	2.8686E-06	6.0848E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.27E-11	1,000,000	8.27E-05
59	1.83645	2.8686E-06	5.2681E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
60	1.58796	2.8686E-06	4.5553E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.19E-11	1,000,000	6.19E-05
61	1.37879	2.8686E-06	3.9552E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.38E-11	1,000,000	5.38E-05
62	1.19926	2.8686E-06	3.4402E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
63	1.04892	2.8686E-06	3.009E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
64	0.92373	2.8686E-06	2.6498E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
65	0.81956	2.8686E-06	2.351E-06	3.46E-04	8.14E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
66	0.73199	2.8686E-06	2.0998E-06	3.46E-04	7.27E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
67	1.13662	2.8686E-06	3.2605E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.43E-11	1,000,000	4.43E-05
68	1.32041	2.8686E-06	3.7878E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
69	1.5488	2.8686E-06	4.4429E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.04E-11	1,000,000	6.04E-05
70	1.83224	2.8686E-06	5.256E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.15E-11	1,000,000	7.15E-05
71	2.18189	2.8686E-06	6.259E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
72	2.60196	2.8686E-06	7.464E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
73	3.07852	2.8686E-06	8.8311E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
74	3.55313	2.8686E-06	1.0193E-05	3.46E-04	3.53E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
75	3.92563	2.8686E-06	1.1261E-05	3.46E-04	3.90E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
76	4.07275	2.8686E-06	1.1683E-05	3.46E-04	4.04E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
77	3.93323	2.8686E-06	1.1283E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
78	3.56724	2.8686E-06	1.0233E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
79	3.08414	2.8686E-06	8.8472E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
80	2.60747	2.8686E-06	7.4798E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
81	2.18705	2.8686E-06	6.2738E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.53E-11	1,000,000	8.53E-05
82	1.84266	2.8686E-06	5.2859E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.19E-11	1,000,000	7.19E-05
83	1.55841	2.8686E-06	4.4705E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.08E-11	1,000,000	6.08E-05
84	1.33181	2.8686E-06	3.8205E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.20E-11	1,000,000	5.20E-05
85	1.1432	2.8686E-06	3.2794E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	0.99875	2.8686E-06	2.865E-06	3.46E-04	9.92E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
87	0.87744	2.8686E-06	2.517E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
88	0.77816	2.8686E-06	2.2322E-06	3.46E-04	7.73E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
89	1.22163	2.8686E-06	3.5044E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
90	1.44114	2.8686E-06	4.1341E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.62E-11	1,000,000	5.62E-05
91	1.72428	2.8686E-06	4.9463E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
92	2.09464	2.8686E-06	6.0087E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.17E-11	1,000,000	8.17E-05
93	2.58275	2.8686E-06	7.4089E-06	3.46E-04	2.56E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
94	3.22018	2.8686E-06	9.2375E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
95	4.02581	2.8686E-06	1.1549E-05	3.46E-04	4.00E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
96	4.94123	2.8686E-06	1.4175E-05	3.46E-04	4.91E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
97	5.7558	2.8686E-06	1.6511E-05	3.46E-04	5.72E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
98	6.10125	2.8686E-06	1.7502E-05	3.46E-04	6.06E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
99	5.7679	2.8686E-06	1.6546E-05	3.46E-04	5.73E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
100	4.96672	2.8686E-06	1.4248E-05	3.46E-04	4.93E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
101	4.0492	2.8686E-06	1.1616E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
102	3.24365	2.8686E-06	9.3048E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
103	2.6104	2.8686E-06	7.4882E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
104	2.12315	2.8686E-06	6.0905E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.28E-11	1,000,000	8.28E-05
105	1.7561	2.8686E-06	5.0376E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
106	1.47209	2.8686E-06	4.2229E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.74E-11	1,000,000	5.74E-05
107	1.25004	2.8686E-06	3.5859E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.88E-11	1,000,000	4.88E-05
108	1.07595	2.8686E-06	3.0865E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
109	0.93652	2.8686E-06	2.6865E-06	3.46E-04	9.30E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
110	0.82505	2.8686E-06	2.3668E-06	3.46E-04	8.19E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05
111	1.29559	2.8686E-06	3.7166E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.05E-11	1,000,000	5.05E-05
112	1.5503	2.8686E-06	4.4472E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.05E-11	1,000,000	6.05E-05
113	1.88956	2.8686E-06	5.4204E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.37E-11	1,000,000	7.37E-05
114	2.35634	2.8686E-06	6.7594E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.19E-11	1,000,000	9.19E-05
115	3.01867	2.8686E-06	8.6594E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
116	3.9722	2.8686E-06	1.1395E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
117	5.35868	2.8686E-06	1.5372E-05	3.46E-04	5.32E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
118	7.2695	2.8686E-06	2.0853E-05	3.46E-04	7.22E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	9.35713	2.8686E-06	2.6842E-05	3.46E-04	9.29E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
120	10.40695	2.8686E-06	2.9854E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.06E-10	1,000,000	4.06E-04
121	9.45047	2.8686E-06	2.711E-05	3.46E-04	9.38E-09	0.25	1.57E-01	3.69E-10	1,000,000	3.69E-04
122	7.3617	2.8686E-06	2.1118E-05	3.46E-04	7.31E-09	0.25	1.57E-01	2.87E-10	1,000,000	2.87E-04
123	5.4508	2.8686E-06	1.5636E-05	3.46E-04	5.41E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
124	4.06233	2.8686E-06	1.1653E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
125	3.10746	2.8686E-06	8.9141E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
126	2.43913	2.8686E-06	6.9969E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.52E-11	1,000,000	9.52E-05
127	1.96717	2.8686E-06	5.6431E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.67E-11	1,000,000	7.67E-05
128	1.62029	2.8686E-06	4.648E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.32E-11	1,000,000	6.32E-05
129	1.35665	2.8686E-06	3.8917E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.29E-11	1,000,000	5.29E-05
130	1.15624	2.8686E-06	3.3168E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.51E-11	1,000,000	4.51E-05
131	0.99762	2.8686E-06	2.8618E-06	3.46E-04	9.91E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
132	0.87237	2.8686E-06	2.5025E-06	3.46E-04	8.66E-10	0.25	1.57E-01	3.40E-11	1,000,000	3.40E-05
133	1.33666	2.8686E-06	3.8344E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.21E-11	1,000,000	5.21E-05
134	1.63571	2.8686E-06	4.6922E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.38E-11	1,000,000	6.38E-05
135	2.02523	2.8686E-06	5.8096E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.90E-11	1,000,000	7.90E-05
136	2.58506	2.8686E-06	7.4156E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
137	3.43099	2.8686E-06	9.8422E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
138	4.77846	2.8686E-06	1.3708E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
139	7.08123	2.8686E-06	2.0313E-05	3.46E-04	7.03E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04
140	11.23151	2.8686E-06	3.2219E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
141	17.87958	2.8686E-06	5.129E-05	3.46E-04	1.78E-08	0.25	1.57E-01	6.98E-10	1,000,000	6.98E-04
142	22.7003	2.8686E-06	6.5119E-05	3.46E-04	2.25E-08	0.25	1.57E-01	8.86E-10	1,000,000	8.86E-04
143	18.39046	2.8686E-06	5.2755E-05	3.46E-04	1.83E-08	0.25	1.57E-01	7.17E-10	1,000,000	7.17E-04
144	11.64995	2.8686E-06	3.3419E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.54E-10	1,000,000	4.54E-04
145	7.43758	2.8686E-06	2.1336E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
146	5.07005	2.8686E-06	1.4544E-05	3.46E-04	5.03E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
147	3.67403	2.8686E-06	1.0539E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
148	2.78424	2.8686E-06	7.9869E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
149	2.1926	2.8686E-06	6.2897E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.55E-11	1,000,000	8.55E-05
150	1.77094	2.8686E-06	5.0802E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.91E-11	1,000,000	6.91E-05
151	1.46391	2.8686E-06	4.1994E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.71E-11	1,000,000	5.71E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.23566	2.8686E-06	3.5446E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
153	1.05838	2.8686E-06	3.0361E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
154	0.91894	2.8686E-06	2.6361E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
155	1.16232	2.8686E-06	3.3343E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
156	1.44916	2.8686E-06	4.1571E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.65E-11	1,000,000	5.65E-05
157	1.91653	2.8686E-06	5.4978E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
158	2.51802	2.8686E-06	7.2232E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.82E-11	1,000,000	9.82E-05
159	3.71001	2.8686E-06	1.0643E-05	3.46E-04	3.68E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
160	5.39207	2.8686E-06	1.5468E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
161	8.6972	2.8686E-06	2.4949E-05	3.46E-04	8.64E-09	0.25	1.57E-01	3.39E-10	1,000,000	3.39E-04
162	16.77689	2.8686E-06	4.8127E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.54E-10	1,000,000	6.54E-04
163	43.5021	2.8686E-06	0.00012479	3.46E-04	4.32E-08	0.25	1.57E-01	1.70E-09	1,000,000	1.70E-03
164	93.5043	2.8686E-06	0.00026823	3.46E-04	9.29E-08	0.25	1.57E-01	3.65E-09	1,000,000	3.65E-03
165	48.28414	2.8686E-06	0.00013851	3.46E-04	4.79E-08	0.25	1.57E-01	1.88E-09	1,000,000	1.88E-03
166	19.19544	2.8686E-06	5.5064E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.49E-10	1,000,000	7.49E-04
167	10.04291	2.8686E-06	2.8809E-05	3.46E-04	9.97E-09	0.25	1.57E-01	3.92E-10	1,000,000	3.92E-04
168	6.22497	2.8686E-06	1.7857E-05	3.46E-04	6.18E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
169	4.27654	2.8686E-06	1.2268E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
170	3.13339	2.8686E-06	8.9885E-06	3.46E-04	3.11E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
171	2.40513	2.8686E-06	6.8994E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.38E-11	1,000,000	9.38E-05
172	1.91876	2.8686E-06	5.5042E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.49E-11	1,000,000	7.49E-05
173	1.56861	2.8686E-06	4.4997E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.12E-11	1,000,000	6.12E-05
174	1.31124	2.8686E-06	3.7614E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
175	1.11659	2.8686E-06	3.2031E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
176	0.96394	2.8686E-06	2.7652E-06	3.46E-04	9.57E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
177	1.10624	2.8686E-06	3.1734E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
178	1.39603	2.8686E-06	4.0047E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.45E-11	1,000,000	5.45E-05
179	1.83548	2.8686E-06	5.2653E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
180	2.49689	2.8686E-06	7.1626E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.74E-11	1,000,000	9.74E-05
181	3.71712	2.8686E-06	1.0663E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
182	5.46813	2.8686E-06	1.5686E-05	3.46E-04	5.43E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
183	9.14196	2.8686E-06	2.6225E-05	3.46E-04	9.08E-09	0.25	1.57E-01	3.57E-10	1,000,000	3.57E-04
184	4.71228	2.8686E-06	1.3518E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	3.38507	2.8686E-06	9.7105E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
186	2.57833	2.8686E-06	7.3962E-06	3.46E-04	2.56E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
187	2.03328	2.8686E-06	5.8327E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.93E-11	1,000,000	7.93E-05
188	1.65022	2.8686E-06	4.7339E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.44E-11	1,000,000	6.44E-05
189	1.37237	2.8686E-06	3.9368E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.35E-11	1,000,000	5.35E-05
190	1.16265	2.8686E-06	3.3352E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
191	0.99974	2.8686E-06	2.8679E-06	3.46E-04	9.93E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
192	0.97922	2.8686E-06	2.809E-06	3.46E-04	9.72E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
193	1.23069	2.8686E-06	3.5304E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.80E-11	1,000,000	4.80E-05
194	1.63799	2.8686E-06	4.6988E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
195	2.18088	2.8686E-06	6.2561E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
196	3.05731	2.8686E-06	8.7703E-06	3.46E-04	3.04E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
197	4.40444	2.8686E-06	1.2635E-05	3.46E-04	4.37E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
198	7.16731	2.8686E-06	2.056E-05	3.46E-04	7.12E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
199	43.7221	2.8686E-06	0.00012542	3.46E-04	4.34E-08	0.25	1.57E-01	1.71E-09	1,000,000	1.71E-03
200	4.68422	2.8686E-06	1.3437E-05	3.46E-04	4.65E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
201	3.42475	2.8686E-06	9.8243E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
202	2.61728	2.8686E-06	7.508E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
203	2.07443	2.8686E-06	5.9507E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.09E-11	1,000,000	8.09E-05
204	1.68752	2.8686E-06	4.8409E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.58E-11	1,000,000	6.58E-05
205	1.40351	2.8686E-06	4.0261E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.48E-11	1,000,000	5.48E-05
206	1.18844	2.8686E-06	3.4092E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.64E-11	1,000,000	4.64E-05
207	1.02197	2.8686E-06	2.9316E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
208	0.86117	2.8686E-06	2.4704E-06	3.46E-04	8.55E-10	0.25	1.57E-01	3.36E-11	1,000,000	3.36E-05
209	1.06676	2.8686E-06	3.0601E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
210	1.3079	2.8686E-06	3.7519E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.10E-11	1,000,000	5.10E-05
211	1.75567	2.8686E-06	5.0363E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
212	2.36406	2.8686E-06	6.7816E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.22E-11	1,000,000	9.22E-05
213	3.41609	2.8686E-06	9.7995E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
214	5.12333	2.8686E-06	1.4697E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
215	7.75731	2.8686E-06	2.2253E-05	3.46E-04	7.70E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
216	12.87994	2.8686E-06	3.6948E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.02E-10	1,000,000	5.02E-04
217	15.59828	2.8686E-06	4.4746E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	5.6019	2.8686E-06	1.607E-05	3.46E-04	5.56E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
219	4.1608	2.8686E-06	1.1936E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
220	3.18403	2.8686E-06	9.1338E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
221	2.50527	2.8686E-06	7.1867E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.77E-11	1,000,000	9.77E-05
222	2.01964	2.8686E-06	5.7936E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.88E-11	1,000,000	7.88E-05
223	1.66249	2.8686E-06	4.7691E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.49E-11	1,000,000	6.49E-05
224	1.39327	2.8686E-06	3.9968E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.44E-11	1,000,000	5.44E-05
225	1.18573	2.8686E-06	3.4014E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.63E-11	1,000,000	4.63E-05
226	1.02323	2.8686E-06	2.9353E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
227	0.74759	2.8686E-06	2.1446E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
228	0.89982	2.8686E-06	2.5812E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
229	1.10118	2.8686E-06	3.1589E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.30E-11	1,000,000	4.30E-05
230	1.39569	2.8686E-06	4.0037E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.44E-11	1,000,000	5.44E-05
231	1.81854	2.8686E-06	5.2167E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.09E-11	1,000,000	7.09E-05
232	2.36438	2.8686E-06	6.7825E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.22E-11	1,000,000	9.22E-05
233	3.42414	2.8686E-06	9.8226E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
234	4.73097	2.8686E-06	1.3571E-05	3.46E-04	4.70E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
235	6.15358	2.8686E-06	1.7652E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
236	7.22508	2.8686E-06	2.0726E-05	3.46E-04	7.17E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
237	7.71596	2.8686E-06	2.2134E-05	3.46E-04	7.66E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
238	6.66361	2.8686E-06	1.9115E-05	3.46E-04	6.62E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
239	5.40748	2.8686E-06	1.5512E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
240	4.31194	2.8686E-06	1.2369E-05	3.46E-04	4.28E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
241	3.44345	2.8686E-06	9.8779E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
242	2.77575	2.8686E-06	7.9626E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
243	2.26708	2.8686E-06	6.5034E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.84E-11	1,000,000	8.84E-05
244	1.87751	2.8686E-06	5.3859E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.32E-11	1,000,000	7.32E-05
245	1.57624	2.8686E-06	4.5216E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.15E-11	1,000,000	6.15E-05
246	1.3402	2.8686E-06	3.8445E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05
247	1.15289	2.8686E-06	3.3072E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
248	1.00266	2.8686E-06	2.8762E-06	3.46E-04	9.96E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
249	0.65081	2.8686E-06	1.8669E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
250	0.76411	2.8686E-06	2.1919E-06	3.46E-04	7.59E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.90765	2.8686E-06	2.6037E-06	3.46E-04	9.01E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
252	1.12188	2.8686E-06	3.2182E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
253	1.38883	2.8686E-06	3.984E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
254	1.81916	2.8686E-06	5.2185E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.10E-11	1,000,000	7.10E-05
255	2.30082	2.8686E-06	6.6002E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
256	3.08196	2.8686E-06	8.841E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
257	3.70202	2.8686E-06	1.062E-05	3.46E-04	3.68E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
258	4.12088	2.8686E-06	1.1821E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
259	4.34948	2.8686E-06	1.2477E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
260	4.47343	2.8686E-06	1.2833E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
261	3.90408	2.8686E-06	1.1199E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
262	3.30529	2.8686E-06	9.4816E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
263	2.78012	2.8686E-06	7.9751E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
264	2.34151	2.8686E-06	6.7169E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.13E-11	1,000,000	9.13E-05
265	1.98287	2.8686E-06	5.6881E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.74E-11	1,000,000	7.74E-05
266	1.68865	2.8686E-06	4.8441E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.59E-11	1,000,000	6.59E-05
267	1.44949	2.8686E-06	4.158E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.65E-11	1,000,000	5.65E-05
268	1.25419	2.8686E-06	3.5978E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
269	1.09383	2.8686E-06	3.1378E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.27E-11	1,000,000	4.27E-05
270	0.96151	2.8686E-06	2.7582E-06	3.46E-04	9.55E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
271	0.55283	2.8686E-06	1.5859E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
272	0.63576	2.8686E-06	1.8238E-06	3.46E-04	6.31E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
273	0.74752	2.8686E-06	2.1444E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
274	0.88672	2.8686E-06	2.5437E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
275	1.06597	2.8686E-06	3.0579E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
276	1.31824	2.8686E-06	3.7815E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.14E-11	1,000,000	5.14E-05
277	1.61793	2.8686E-06	4.6412E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.31E-11	1,000,000	6.31E-05
278	1.93006	2.8686E-06	5.5366E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
279	2.30432	2.8686E-06	6.6102E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.99E-11	1,000,000	8.99E-05
280	2.62862	2.8686E-06	7.5405E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
281	2.86623	2.8686E-06	8.2221E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
282	2.91902	2.8686E-06	8.3736E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
283	2.89429	2.8686E-06	8.3026E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.42245	2.8686E-06	6.9491E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.45E-11	1,000,000	9.45E-05
285	2.24988	2.8686E-06	6.454E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.78E-11	1,000,000	8.78E-05
286	1.97178	2.8686E-06	5.6563E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.69E-11	1,000,000	7.69E-05
287	1.70686	2.8686E-06	4.8963E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.66E-11	1,000,000	6.66E-05
288	1.4907	2.8686E-06	4.2763E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
289	1.3064	2.8686E-06	3.7476E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.10E-11	1,000,000	5.10E-05
290	1.15117	2.8686E-06	3.3023E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
291	1.01867	2.8686E-06	2.9222E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.97E-11	1,000,000	3.97E-05
292	0.90619	2.8686E-06	2.5995E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
293	0.47271	2.8686E-06	1.356E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
294	0.53853	2.8686E-06	1.5448E-06	3.46E-04	5.35E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
295	0.61724	2.8686E-06	1.7706E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
296	0.70733	2.8686E-06	2.0291E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
297	0.839	2.8686E-06	2.4068E-06	3.46E-04	8.33E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
298	0.99002	2.8686E-06	2.84E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
299	1.17169	2.8686E-06	3.3611E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
300	1.40742	2.8686E-06	4.0374E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.49E-11	1,000,000	5.49E-05
301	1.56269	2.8686E-06	4.4828E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.10E-11	1,000,000	6.10E-05
302	1.79894	2.8686E-06	5.1605E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
303	1.97748	2.8686E-06	5.6726E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.71E-11	1,000,000	7.71E-05
304	2.08369	2.8686E-06	5.9773E-06	3.46E-04	2.07E-09	0.25	1.57E-01	8.13E-11	1,000,000	8.13E-05
305	2.00688	2.8686E-06	5.757E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.83E-11	1,000,000	7.83E-05
306	1.82385	2.8686E-06	5.2319E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.12E-11	1,000,000	7.12E-05
307	1.69885	2.8686E-06	4.8734E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.63E-11	1,000,000	6.63E-05
308	1.57339	2.8686E-06	4.5135E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.14E-11	1,000,000	6.14E-05
309	1.47819	2.8686E-06	4.2404E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.77E-11	1,000,000	5.77E-05
310	1.31999	2.8686E-06	3.7865E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
311	1.16713	2.8686E-06	3.3481E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
312	1.04448	2.8686E-06	2.9962E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
313	0.93677	2.8686E-06	2.6872E-06	3.46E-04	9.30E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
314	0.8431	2.8686E-06	2.4185E-06	3.46E-04	8.37E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
315	0.39697	2.8686E-06	1.1388E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
316	0.44831	2.8686E-06	1.286E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.50608	2.8686E-06	1.4518E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
318	0.57129	2.8686E-06	1.6388E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
319	0.64239	2.8686E-06	1.8428E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
320	0.77277	2.8686E-06	2.2168E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
321	0.87882	2.8686E-06	2.521E-06	3.46E-04	8.73E-10	0.25	1.57E-01	3.43E-11	1,000,000	3.43E-05
322	1.01087	2.8686E-06	2.8998E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.94E-11	1,000,000	3.94E-05
323	1.16836	2.8686E-06	3.3516E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.56E-11	1,000,000	4.56E-05
324	1.29833	2.8686E-06	3.7244E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.06E-11	1,000,000	5.06E-05
325	1.41472	2.8686E-06	4.0583E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.52E-11	1,000,000	5.52E-05
326	1.52738	2.8686E-06	4.3815E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.96E-11	1,000,000	5.96E-05
327	1.6922	2.8686E-06	4.8543E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.60E-11	1,000,000	6.60E-05
328	1.39067	2.8686E-06	3.9893E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.43E-11	1,000,000	5.43E-05
329	1.31385	2.8686E-06	3.7689E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05
330	1.26008	2.8686E-06	3.6147E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.92E-11	1,000,000	4.92E-05
331	1.20703	2.8686E-06	3.4625E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
332	1.15047	2.8686E-06	3.3003E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
333	1.07245	2.8686E-06	3.0765E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.18E-11	1,000,000	4.18E-05
334	0.9528	2.8686E-06	2.7332E-06	3.46E-04	9.46E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
335	0.85566	2.8686E-06	2.4546E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
336	0.77834	2.8686E-06	2.2328E-06	3.46E-04	7.73E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
337	0.34351	2.8686E-06	9.854E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
338	0.38072	2.8686E-06	1.0921E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
339	0.41847	2.8686E-06	1.2004E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
340	0.47397	2.8686E-06	1.3596E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
341	0.52599	2.8686E-06	1.5089E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
342	0.6161	2.8686E-06	1.7674E-06	3.46E-04	6.12E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
343	0.68395	2.8686E-06	1.962E-06	3.46E-04	6.79E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
344	0.77775	2.8686E-06	2.2311E-06	3.46E-04	7.72E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
345	0.8747	2.8686E-06	2.5092E-06	3.46E-04	8.69E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
346	0.98645	2.8686E-06	2.8297E-06	3.46E-04	9.80E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
347	1.04907	2.8686E-06	3.0094E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
348	1.10849	2.8686E-06	3.1798E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
349	1.01848	2.8686E-06	2.9216E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.97E-11	1,000,000	3.97E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.00759	2.8686E-06	2.8904E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.93E-11	1,000,000	3.93E-05
351	0.9966	2.8686E-06	2.8589E-06	3.46E-04	9.90E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
352	0.94698	2.8686E-06	2.7165E-06	3.46E-04	9.40E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
353	0.97315	2.8686E-06	2.7916E-06	3.46E-04	9.66E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
354	0.93617	2.8686E-06	2.6855E-06	3.46E-04	9.30E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
355	0.90489	2.8686E-06	2.5958E-06	3.46E-04	8.99E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
356	0.86769	2.8686E-06	2.4891E-06	3.46E-04	8.62E-10	0.25	1.57E-01	3.38E-11	1,000,000	3.38E-05
357	0.81962	2.8686E-06	2.3512E-06	3.46E-04	8.14E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
358	0.77045	2.8686E-06	2.2101E-06	3.46E-04	7.65E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
359	0.29285	2.8686E-06	8.4008E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
360	0.32382	2.8686E-06	9.2892E-07	3.46E-04	3.22E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
361	0.35565	2.8686E-06	1.0202E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
362	0.39191	2.8686E-06	1.1242E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
363	0.42914	2.8686E-06	1.231E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
364	0.48618	2.8686E-06	1.3947E-06	3.46E-04	4.83E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
365	0.54763	2.8686E-06	1.5709E-06	3.46E-04	5.44E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
366	0.61692	2.8686E-06	1.7697E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
367	0.70004	2.8686E-06	2.0081E-06	3.46E-04	6.95E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
368	0.75903	2.8686E-06	2.1774E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
369	0.7892	2.8686E-06	2.2639E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
370	0.78949	2.8686E-06	2.2647E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
371	0.80244	2.8686E-06	2.3019E-06	3.46E-04	7.97E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
372	0.79636	2.8686E-06	2.2845E-06	3.46E-04	7.91E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
373	0.76632	2.8686E-06	2.1983E-06	3.46E-04	7.61E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
374	0.73792	2.8686E-06	2.1168E-06	3.46E-04	7.33E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
375	0.75549	2.8686E-06	2.1672E-06	3.46E-04	7.50E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
376	0.74294	2.8686E-06	2.1312E-06	3.46E-04	7.38E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
377	0.74112	2.8686E-06	2.126E-06	3.46E-04	7.36E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
378	0.74669	2.8686E-06	2.142E-06	3.46E-04	7.41E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
379	0.71897	2.8686E-06	2.0625E-06	3.46E-04	7.14E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
380	0.67873	2.8686E-06	1.947E-06	3.46E-04	6.74E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
381	1.35604	2.8686E-06	3.89E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.29E-11	1,000,000	5.29E-05
382	1.58003	2.8686E-06	4.5325E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.85025	2.8686E-06	5.3077E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.22E-11	1,000,000	7.22E-05
384	2.16911	2.8686E-06	6.2224E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.46E-11	1,000,000	8.46E-05
385	2.52921	2.8686E-06	7.2553E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.87E-11	1,000,000	9.87E-05
386	2.89825	2.8686E-06	8.314E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
387	3.21506	2.8686E-06	9.2228E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
388	3.40696	2.8686E-06	9.7733E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
389	3.40817	2.8686E-06	9.7767E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
390	3.21793	2.8686E-06	9.231E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
391	2.8964	2.8686E-06	8.3087E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
392	2.52688	2.8686E-06	7.2487E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.86E-11	1,000,000	9.86E-05
393	2.16792	2.8686E-06	6.2189E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.46E-11	1,000,000	8.46E-05
394	1.85248	2.8686E-06	5.3141E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
395	1.58111	2.8686E-06	4.5356E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
396	1.35787	2.8686E-06	3.8952E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
397	1.175	2.8686E-06	3.3706E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.58E-11	1,000,000	4.58E-05
398	1.02421	2.8686E-06	2.9381E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.00E-11	1,000,000	4.00E-05
399	1.50143	2.8686E-06	4.307E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.86E-11	1,000,000	5.86E-05
400	1.78922	2.8686E-06	5.1326E-06	3.46E-04	1.78E-09	0.25	1.57E-01	6.98E-11	1,000,000	6.98E-05
401	2.15671	2.8686E-06	6.1868E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.41E-11	1,000,000	8.41E-05
402	2.62137	2.8686E-06	7.5197E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
403	3.19073	2.8686E-06	9.153E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
404	3.83335	2.8686E-06	1.0996E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
405	4.45082	2.8686E-06	1.2768E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
406	4.85545	2.8686E-06	1.3928E-05	3.46E-04	4.82E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
407	4.86314	2.8686E-06	1.395E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
408	4.47561	2.8686E-06	1.2839E-05	3.46E-04	4.44E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
409	3.85464	2.8686E-06	1.1057E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
410	3.20004	2.8686E-06	9.1797E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
411	2.63311	2.8686E-06	7.5534E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
412	2.17402	2.8686E-06	6.2364E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.48E-11	1,000,000	8.48E-05
413	1.80631	2.8686E-06	5.1816E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.05E-11	1,000,000	7.05E-05
414	1.51901	2.8686E-06	4.3575E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.93E-11	1,000,000	5.93E-05
415	1.29188	2.8686E-06	3.7059E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.10852	2.8686E-06	3.1799E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
417	1.64275	2.8686E-06	4.7124E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.41E-11	1,000,000	6.41E-05
418	2.00315	2.8686E-06	5.7463E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.81E-11	1,000,000	7.81E-05
419	2.4909	2.8686E-06	7.1454E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.72E-11	1,000,000	9.72E-05
420	3.15917	2.8686E-06	9.0625E-06	3.46E-04	3.14E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
421	4.07273	2.8686E-06	1.1683E-05	3.46E-04	4.04E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
422	5.27138	2.8686E-06	1.5122E-05	3.46E-04	5.23E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
423	6.62574	2.8686E-06	1.9007E-05	3.46E-04	6.58E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
424	7.64155	2.8686E-06	2.1921E-05	3.46E-04	7.59E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
425	7.65019	2.8686E-06	2.1945E-05	3.46E-04	7.60E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
426	6.67466	2.8686E-06	1.9147E-05	3.46E-04	6.63E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
427	5.31704	2.8686E-06	1.5253E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
428	4.12279	2.8686E-06	1.1827E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
429	3.2101	2.8686E-06	9.2086E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
430	2.54029	2.8686E-06	7.2871E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.91E-11	1,000,000	9.91E-05
431	2.05167	2.8686E-06	5.8855E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.00E-11	1,000,000	8.00E-05
432	1.68919	2.8686E-06	4.8456E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.59E-11	1,000,000	6.59E-05
433	1.41817	2.8686E-06	4.0682E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
434	1.20311	2.8686E-06	3.4513E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
435	1.76457	2.8686E-06	5.0619E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.88E-11	1,000,000	6.88E-05
436	2.19717	2.8686E-06	6.3028E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.57E-11	1,000,000	8.57E-05
437	2.81829	2.8686E-06	8.0846E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
438	3.74328	2.8686E-06	1.0738E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
439	5.17765	2.8686E-06	1.4853E-05	3.46E-04	5.14E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
440	7.44634	2.8686E-06	2.1361E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
441	10.77862	2.8686E-06	3.092E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.20E-10	1,000,000	4.20E-04
442	14.09147	2.8686E-06	4.0423E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.50E-10	1,000,000	5.50E-04
443	14.22056	2.8686E-06	4.0793E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.55E-10	1,000,000	5.55E-04
444	10.99726	2.8686E-06	3.1547E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
445	7.64005	2.8686E-06	2.1916E-05	3.46E-04	7.59E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
446	5.3553	2.8686E-06	1.5362E-05	3.46E-04	5.32E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
447	3.90443	2.8686E-06	1.12E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
448	2.95501	2.8686E-06	8.4768E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.32007	2.8686E-06	6.6554E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.05E-11	1,000,000	9.05E-05
450	1.87355	2.8686E-06	5.3745E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.31E-11	1,000,000	7.31E-05
451	1.54009	2.8686E-06	4.4179E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.01E-11	1,000,000	6.01E-05
452	1.29536	2.8686E-06	3.7159E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.05E-11	1,000,000	5.05E-05
453	1.76702	2.8686E-06	5.0689E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.89E-11	1,000,000	6.89E-05
454	2.31519	2.8686E-06	6.6414E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.03E-11	1,000,000	9.03E-05
455	3.07881	2.8686E-06	8.8319E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
456	4.2558	2.8686E-06	1.2208E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
457	6.31746	2.8686E-06	1.8122E-05	3.46E-04	6.27E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
458	10.36802	2.8686E-06	2.9742E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.04E-10	1,000,000	4.04E-04
459	19.32621	2.8686E-06	5.544E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.54E-10	1,000,000	7.54E-04
460	35.69544	2.8686E-06	0.0001024	3.46E-04	3.54E-08	0.25	1.57E-01	1.39E-09	1,000,000	1.39E-03
461	36.69955	2.8686E-06	0.00010528	3.46E-04	3.64E-08	0.25	1.57E-01	1.43E-09	1,000,000	1.43E-03
462	20.53686	2.8686E-06	5.8912E-05	3.46E-04	2.04E-08	0.25	1.57E-01	8.01E-10	1,000,000	8.01E-04
463	11.23201	2.8686E-06	3.222E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
464	6.92292	2.8686E-06	1.9859E-05	3.46E-04	6.87E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
465	4.6967	2.8686E-06	1.3473E-05	3.46E-04	4.66E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
466	3.41046	2.8686E-06	9.7833E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
467	2.6009	2.8686E-06	7.461E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
468	2.05515	2.8686E-06	5.8954E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.02E-11	1,000,000	8.02E-05
469	1.66968	2.8686E-06	4.7897E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.51E-11	1,000,000	6.51E-05
470	1.38742	2.8686E-06	3.98E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
471	1.60195	2.8686E-06	4.5954E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
472	2.14017	2.8686E-06	6.1393E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.35E-11	1,000,000	8.35E-05
473	3.11675	2.8686E-06	8.9408E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
474	4.46283	2.8686E-06	1.2802E-05	3.46E-04	4.43E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
475	6.97355	2.8686E-06	2.0004E-05	3.46E-04	6.92E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
476	3.82748	2.8686E-06	1.098E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
477	2.84487	2.8686E-06	8.1608E-06	3.46E-04	2.82E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
478	2.22168	2.8686E-06	6.3732E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.67E-11	1,000,000	8.67E-05
479	1.78547	2.8686E-06	5.1218E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.97E-11	1,000,000	6.97E-05
480	1.46908	2.8686E-06	4.2142E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
481	1.48854	2.8686E-06	4.2701E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.98068	2.8686E-06	5.6818E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.73E-11	1,000,000	7.73E-05
483	2.64861	2.8686E-06	7.5979E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
484	3.79241	2.8686E-06	1.0879E-05	3.46E-04	3.77E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
485	6.39287	2.8686E-06	1.8339E-05	3.46E-04	6.35E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
486	4.01423	2.8686E-06	1.1515E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
487	2.98663	2.8686E-06	8.5675E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
488	2.31447	2.8686E-06	6.6393E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.03E-11	1,000,000	9.03E-05
489	1.85602	2.8686E-06	5.3242E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
490	1.52428	2.8686E-06	4.3726E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.95E-11	1,000,000	5.95E-05
491	1.2785	2.8686E-06	3.6675E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.99E-11	1,000,000	4.99E-05
492	1.68927	2.8686E-06	4.8459E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.59E-11	1,000,000	6.59E-05
493	2.23089	2.8686E-06	6.3996E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.70E-11	1,000,000	8.70E-05
494	3.17034	2.8686E-06	9.0945E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
495	4.78241	2.8686E-06	1.3719E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
496	22.30479	2.8686E-06	6.3984E-05	3.46E-04	2.21E-08	0.25	1.57E-01	8.70E-10	1,000,000	8.70E-04
497	23.53632	2.8686E-06	6.7517E-05	3.46E-04	2.34E-08	0.25	1.57E-01	9.18E-10	1,000,000	9.18E-04
498	5.24119	2.8686E-06	1.5035E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
499	3.842	2.8686E-06	1.1021E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
500	2.92213	2.8686E-06	8.3825E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
501	2.29881	2.8686E-06	6.5944E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.97E-11	1,000,000	8.97E-05
502	1.85675	2.8686E-06	5.3263E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
503	1.53347	2.8686E-06	4.3989E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.98E-11	1,000,000	5.98E-05
504	1.08694	2.8686E-06	3.118E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.24E-11	1,000,000	4.24E-05
505	1.34524	2.8686E-06	3.859E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.25E-11	1,000,000	5.25E-05
506	1.82387	2.8686E-06	5.232E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.12E-11	1,000,000	7.12E-05
507	2.38864	2.8686E-06	6.8521E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.32E-11	1,000,000	9.32E-05
508	3.54673	2.8686E-06	1.0174E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
509	5.03724	2.8686E-06	1.445E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
510	7.05308	2.8686E-06	2.0233E-05	3.46E-04	7.00E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
511	9.21123	2.8686E-06	2.6424E-05	3.46E-04	9.15E-09	0.25	1.57E-01	3.59E-10	1,000,000	3.59E-04
512	10.74235	2.8686E-06	3.0816E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.19E-10	1,000,000	4.19E-04
513	9.36108	2.8686E-06	2.6853E-05	3.46E-04	9.30E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
514	7.37603	2.8686E-06	2.1159E-05	3.46E-04	7.32E-09	0.25	1.57E-01	2.88E-10	1,000,000	2.88E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	5.643	2.8686E-06	1.6188E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
516	4.32498	2.8686E-06	1.2407E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
517	3.36584	2.8686E-06	9.6553E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
518	2.67079	2.8686E-06	7.6615E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
519	2.16088	2.8686E-06	6.1987E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.43E-11	1,000,000	8.43E-05
520	1.78011	2.8686E-06	5.1065E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
521	1.49057	2.8686E-06	4.2759E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
522	0.90625	2.8686E-06	2.5997E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
523	1.13159	2.8686E-06	3.2461E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
524	1.43262	2.8686E-06	4.1096E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.59E-11	1,000,000	5.59E-05
525	1.82623	2.8686E-06	5.2388E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.12E-11	1,000,000	7.12E-05
526	2.28129	2.8686E-06	6.5442E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.90E-11	1,000,000	8.90E-05
527	3.25602	2.8686E-06	9.3403E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
528	4.24135	2.8686E-06	1.2167E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
529	5.07885	2.8686E-06	1.4569E-05	3.46E-04	5.04E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
530	5.57988	2.8686E-06	1.6007E-05	3.46E-04	5.54E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
531	5.76786	2.8686E-06	1.6546E-05	3.46E-04	5.73E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
532	4.99897	2.8686E-06	1.434E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
533	4.15762	2.8686E-06	1.1927E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
534	3.41444	2.8686E-06	9.7947E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
535	2.8112	2.8686E-06	8.0643E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
536	2.32852	2.8686E-06	6.6796E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.08E-11	1,000,000	9.08E-05
537	1.94621	2.8686E-06	5.5829E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.59E-11	1,000,000	7.59E-05
538	1.64357	2.8686E-06	4.7148E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.41E-11	1,000,000	6.41E-05
539	1.40221	2.8686E-06	4.0224E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.47E-11	1,000,000	5.47E-05
540	0.75643	2.8686E-06	2.1699E-06	3.46E-04	7.51E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
541	0.91684	2.8686E-06	2.6301E-06	3.46E-04	9.10E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
542	1.11725	2.8686E-06	3.205E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
543	1.37314	2.8686E-06	3.939E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
544	1.75083	2.8686E-06	5.0225E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.83E-11	1,000,000	6.83E-05
545	2.13193	2.8686E-06	6.1157E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.32E-11	1,000,000	8.32E-05
546	2.64848	2.8686E-06	7.5975E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
547	3.08954	2.8686E-06	8.8627E-06	3.46E-04	3.07E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	3.46255	2.8686E-06	9.9327E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
549	3.5054	2.8686E-06	1.0056E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
550	3.57196	2.8686E-06	1.0247E-05	3.46E-04	3.55E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
551	3.14921	2.8686E-06	9.0339E-06	3.46E-04	3.13E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
552	2.70114	2.8686E-06	7.7485E-06	3.46E-04	2.68E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
553	2.31361	2.8686E-06	6.6369E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.03E-11	1,000,000	9.03E-05
554	1.98424	2.8686E-06	5.692E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.74E-11	1,000,000	7.74E-05
555	1.71052	2.8686E-06	4.9068E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
556	1.47952	2.8686E-06	4.2442E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.77E-11	1,000,000	5.77E-05
557	1.28746	2.8686E-06	3.6932E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.02E-11	1,000,000	5.02E-05
558	0.6329	2.8686E-06	1.8155E-06	3.46E-04	6.28E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
559	0.7502	2.8686E-06	2.152E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
560	0.8677	2.8686E-06	2.4891E-06	3.46E-04	8.62E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
561	1.04172	2.8686E-06	2.9883E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.06E-11	1,000,000	4.06E-05
562	1.21972	2.8686E-06	3.4989E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.76E-11	1,000,000	4.76E-05
563	1.45218	2.8686E-06	4.1658E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.67E-11	1,000,000	5.67E-05
564	1.77559	2.8686E-06	5.0935E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.93E-11	1,000,000	6.93E-05
565	2.00818	2.8686E-06	5.7607E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.83E-11	1,000,000	7.83E-05
566	2.31214	2.8686E-06	6.6326E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.02E-11	1,000,000	9.02E-05
567	2.41548	2.8686E-06	6.9291E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.42E-11	1,000,000	9.42E-05
568	2.44269	2.8686E-06	7.0071E-06	3.46E-04	2.43E-09	0.25	1.57E-01	9.53E-11	1,000,000	9.53E-05
569	2.18955	2.8686E-06	6.281E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.54E-11	1,000,000	8.54E-05
570	1.99357	2.8686E-06	5.7188E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.78E-11	1,000,000	7.78E-05
571	1.87213	2.8686E-06	5.3704E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.30E-11	1,000,000	7.30E-05
572	1.69746	2.8686E-06	4.8694E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.62E-11	1,000,000	6.62E-05
573	1.48706	2.8686E-06	4.2658E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.80E-11	1,000,000	5.80E-05
574	1.31334	2.8686E-06	3.7675E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
575	1.16436	2.8686E-06	3.3401E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	2.8686E-06	2.5125E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.25E-10	1,000,000	8.3E-04
2	2.8686E-06	2.7941E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
3	2.8686E-06	3.1089E-06	1.05E-03	3.25E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
4	2.8686E-06	3.4523E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
5	2.8686E-06	3.8187E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
6	2.8686E-06	4.1915E-06	1.05E-03	4.38E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
7	2.8686E-06	4.5387E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
8	2.8686E-06	4.8286E-06	1.05E-03	5.05E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
9	2.8686E-06	5.0277E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
10	2.8686E-06	5.0969E-06	1.05E-03	5.33E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
11	2.8686E-06	5.0242E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
12	2.8686E-06	4.8236E-06	1.05E-03	5.04E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
13	2.8686E-06	4.5268E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
14	2.8686E-06	4.1734E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
15	2.8686E-06	3.8004E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
16	2.8686E-06	3.4305E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
17	2.8686E-06	3.0897E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
18	2.8686E-06	2.7777E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
19	2.8686E-06	2.4955E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.20E-10	1,000,000	8.20E-04
20	2.8686E-06	2.2508E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.39E-10	1,000,000	7.39E-04
21	2.8686E-06	2.0344E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.68E-10	1,000,000	6.68E-04
22	2.8686E-06	1.8423E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
23	2.8686E-06	2.7526E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.04E-10	1,000,000	9.04E-04
24	2.8686E-06	3.1031E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
25	2.8686E-06	3.5069E-06	1.05E-03	3.67E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
26	2.8686E-06	3.9655E-06	1.05E-03	4.14E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	2.8686E-06	4.4721E-06	1.05E-03	4.67E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
28	2.8686E-06	5.0139E-06	1.05E-03	5.24E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
29	2.8686E-06	5.5389E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
30	2.8686E-06	6.0038E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
31	2.8686E-06	6.3222E-06	1.05E-03	6.61E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
32	2.8686E-06	6.4352E-06	1.05E-03	6.73E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
33	2.8686E-06	6.311E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
34	2.8686E-06	5.9925E-06	1.05E-03	6.26E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
35	2.8686E-06	5.5324E-06	1.05E-03	5.78E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
36	2.8686E-06	5.0055E-06	1.05E-03	5.23E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
37	2.8686E-06	4.4528E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
38	2.8686E-06	3.9445E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
39	2.8686E-06	3.495E-06	1.05E-03	3.65E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
40	2.8686E-06	3.0946E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
41	2.8686E-06	2.7439E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.01E-10	1,000,000	9.01E-04
42	2.8686E-06	2.4419E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.02E-10	1,000,000	8.02E-04
43	2.8686E-06	2.1823E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.17E-10	1,000,000	7.17E-04
44	2.8686E-06	1.9695E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.47E-10	1,000,000	6.47E-04
45	2.8686E-06	3.0051E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.87E-10	1,000,000	9.87E-04
46	2.8686E-06	3.4378E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
47	2.8686E-06	3.955E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
48	2.8686E-06	4.5682E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
49	2.8686E-06	5.2799E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
50	2.8686E-06	6.0768E-06	1.05E-03	6.35E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
51	2.8686E-06	6.9097E-06	1.05E-03	7.22E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
52	2.8686E-06	7.6779E-06	1.05E-03	8.03E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.8686E-06	8.2427E-06	1.05E-03	8.62E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
54	2.8686E-06	8.4415E-06	1.05E-03	8.82E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
55	2.8686E-06	8.2281E-06	1.05E-03	8.60E-09	2.00	1.57E-01	2.70E-09	1,000,000	2.70E-03
56	2.8686E-06	7.6675E-06	1.05E-03	8.01E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
57	2.8686E-06	6.8984E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
58	2.8686E-06	6.0848E-06	1.05E-03	6.36E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
59	2.8686E-06	5.2681E-06	1.05E-03	5.51E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
60	2.8686E-06	4.5553E-06	1.05E-03	4.76E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
61	2.8686E-06	3.9552E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
62	2.8686E-06	3.4402E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
63	2.8686E-06	3.009E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.88E-10	1,000,000	9.88E-04
64	2.8686E-06	2.6498E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.70E-10	1,000,000	8.70E-04
65	2.8686E-06	2.351E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.72E-10	1,000,000	7.72E-04
66	2.8686E-06	2.0998E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.90E-10	1,000,000	6.90E-04
67	2.8686E-06	3.2605E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
68	2.8686E-06	3.7878E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
69	2.8686E-06	4.4429E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
70	2.8686E-06	5.256E-06	1.05E-03	5.49E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
71	2.8686E-06	6.259E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
72	2.8686E-06	7.464E-06	1.05E-03	7.80E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
73	2.8686E-06	8.8311E-06	1.05E-03	9.23E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
74	2.8686E-06	1.0193E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.35E-09	1,000,000	3.35E-03
75	2.8686E-06	1.1261E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.70E-09	1,000,000	3.70E-03
76	2.8686E-06	1.1683E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.84E-09	1,000,000	3.84E-03
77	2.8686E-06	1.1283E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
78	2.8686E-06	1.0233E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
79	2.8686E-06	8.8472E-06	1.05E-03	9.25E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03
80	2.8686E-06	7.4798E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
81	2.8686E-06	6.2738E-06	1.05E-03	6.56E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
82	2.8686E-06	5.2859E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
83	2.8686E-06	4.4705E-06	1.05E-03	4.67E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
84	2.8686E-06	3.8205E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
85	2.8686E-06	3.2794E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	2.8686E-06	2.865E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.41E-10	1,000,000	9.41E-04
87	2.8686E-06	2.517E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
88	2.8686E-06	2.2322E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
89	2.8686E-06	3.5044E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
90	2.8686E-06	4.1341E-06	1.05E-03	4.32E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
91	2.8686E-06	4.9463E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
92	2.8686E-06	6.0087E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
93	2.8686E-06	7.4089E-06	1.05E-03	7.74E-09	2.00	1.57E-01	2.43E-09	1,000,000	2.43E-03
94	2.8686E-06	9.2375E-06	1.05E-03	9.66E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
95	2.8686E-06	1.1549E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
96	2.8686E-06	1.4175E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.66E-09	1,000,000	4.66E-03
97	2.8686E-06	1.6511E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
98	2.8686E-06	1.7502E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
99	2.8686E-06	1.6546E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.44E-09	1,000,000	5.44E-03
100	2.8686E-06	1.4248E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.68E-09	1,000,000	4.68E-03
101	2.8686E-06	1.1616E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
102	2.8686E-06	9.3048E-06	1.05E-03	9.73E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
103	2.8686E-06	7.4882E-06	1.05E-03	7.83E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
104	2.8686E-06	6.0905E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
105	2.8686E-06	5.0376E-06	1.05E-03	5.27E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
106	2.8686E-06	4.2229E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
107	2.8686E-06	3.5859E-06	1.05E-03	3.75E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
108	2.8686E-06	3.0865E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
109	2.8686E-06	2.6865E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.83E-10	1,000,000	8.83E-04
110	2.8686E-06	2.3668E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.77E-10	1,000,000	7.77E-04
111	2.8686E-06	3.7166E-06	1.05E-03	3.88E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
112	2.8686E-06	4.4472E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
113	2.8686E-06	5.4204E-06	1.05E-03	5.67E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
114	2.8686E-06	6.7594E-06	1.05E-03	7.07E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
115	2.8686E-06	8.6594E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
116	2.8686E-06	1.1395E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
117	2.8686E-06	1.5372E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.05E-09	1,000,000	5.05E-03
118	2.8686E-06	2.0853E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.85E-09	1,000,000	6.85E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	2.8686E-06	2.6842E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.82E-09	1,000,000	8.82E-03
120	2.8686E-06	2.9854E-05	1.05E-03	3.12E-08	2.00	1.57E-01	9.81E-09	1,000,000	9.81E-03
121	2.8686E-06	2.711E-05	1.05E-03	2.83E-08	2.00	1.57E-01	8.91E-09	1,000,000	8.91E-03
122	2.8686E-06	2.1118E-05	1.05E-03	2.21E-08	2.00	1.57E-01	6.94E-09	1,000,000	6.94E-03
123	2.8686E-06	1.5636E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.14E-09	1,000,000	5.14E-03
124	2.8686E-06	1.1653E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
125	2.8686E-06	8.9141E-06	1.05E-03	9.32E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
126	2.8686E-06	6.9969E-06	1.05E-03	7.31E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
127	2.8686E-06	5.6431E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
128	2.8686E-06	4.648E-06	1.05E-03	4.86E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
129	2.8686E-06	3.8917E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
130	2.8686E-06	3.3168E-06	1.05E-03	3.47E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
131	2.8686E-06	2.8618E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.40E-10	1,000,000	9.40E-04
132	2.8686E-06	2.5025E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.22E-10	1,000,000	8.22E-04
133	2.8686E-06	3.8344E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
134	2.8686E-06	4.6922E-06	1.05E-03	4.90E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
135	2.8686E-06	5.8096E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
136	2.8686E-06	7.4156E-06	1.05E-03	7.75E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
137	2.8686E-06	9.8422E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
138	2.8686E-06	1.3708E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
139	2.8686E-06	2.0313E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.67E-09	1,000,000	6.67E-03
140	2.8686E-06	3.2219E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
141	2.8686E-06	5.129E-05	1.05E-03	5.36E-08	2.00	1.57E-01	1.68E-08	1,000,000	1.68E-02
142	2.8686E-06	6.5119E-05	1.05E-03	6.81E-08	2.00	1.57E-01	2.14E-08	1,000,000	2.14E-02
143	2.8686E-06	5.2755E-05	1.05E-03	5.51E-08	2.00	1.57E-01	1.73E-08	1,000,000	1.73E-02
144	2.8686E-06	3.3419E-05	1.05E-03	3.49E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
145	2.8686E-06	2.1336E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.01E-09	1,000,000	7.01E-03
146	2.8686E-06	1.4544E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.78E-09	1,000,000	4.78E-03
147	2.8686E-06	1.0539E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
148	2.8686E-06	7.9869E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
149	2.8686E-06	6.2897E-06	1.05E-03	6.57E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
150	2.8686E-06	5.0802E-06	1.05E-03	5.31E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
151	2.8686E-06	4.1994E-06	1.05E-03	4.39E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.8686E-06	3.5446E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
153	2.8686E-06	3.0361E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.97E-10	1,000,000	9.97E-04
154	2.8686E-06	2.6361E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
155	2.8686E-06	3.3343E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
156	2.8686E-06	4.1571E-06	1.05E-03	4.35E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
157	2.8686E-06	5.4978E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
158	2.8686E-06	7.2232E-06	1.05E-03	7.55E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
159	2.8686E-06	1.0643E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
160	2.8686E-06	1.5468E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
161	2.8686E-06	2.4949E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.20E-09	1,000,000	8.20E-03
162	2.8686E-06	4.8127E-05	1.05E-03	5.03E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
163	2.8686E-06	0.00012479	1.05E-03	1.30E-07	2.00	1.57E-01	4.10E-08	1,000,000	4.10E-02
164	2.8686E-06	0.00026823	1.05E-03	2.80E-07	2.00	1.57E-01	8.81E-08	1,000,000	8.81E-02
165	2.8686E-06	0.00013851	1.05E-03	1.45E-07	2.00	1.57E-01	4.55E-08	1,000,000	4.55E-02
166	2.8686E-06	5.5064E-05	1.05E-03	5.76E-08	2.00	1.57E-01	1.81E-08	1,000,000	1.81E-02
167	2.8686E-06	2.8809E-05	1.05E-03	3.01E-08	2.00	1.57E-01	9.46E-09	1,000,000	9.46E-03
168	2.8686E-06	1.7857E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.87E-09	1,000,000	5.87E-03
169	2.8686E-06	1.2268E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.03E-09	1,000,000	4.03E-03
170	2.8686E-06	8.9885E-06	1.05E-03	9.39E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
171	2.8686E-06	6.8994E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
172	2.8686E-06	5.5042E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
173	2.8686E-06	4.4997E-06	1.05E-03	4.70E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
174	2.8686E-06	3.7614E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
175	2.8686E-06	3.2031E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
176	2.8686E-06	2.7652E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.08E-10	1,000,000	9.08E-04
177	2.8686E-06	3.1734E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
178	2.8686E-06	4.0047E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
179	2.8686E-06	5.2653E-06	1.05E-03	5.50E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
180	2.8686E-06	7.1626E-06	1.05E-03	7.49E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
181	2.8686E-06	1.0663E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
182	2.8686E-06	1.5686E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.15E-09	1,000,000	5.15E-03
183	2.8686E-06	2.6225E-05	1.05E-03	2.74E-08	2.00	1.57E-01	8.61E-09	1,000,000	8.61E-03
184	2.8686E-06	1.3518E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	2.8686E-06	9.7105E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03
186	2.8686E-06	7.3962E-06	1.05E-03	7.73E-09	2.00	1.57E-01	2.43E-09	1,000,000	2.43E-03
187	2.8686E-06	5.8327E-06	1.05E-03	6.10E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
188	2.8686E-06	4.7339E-06	1.05E-03	4.95E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
189	2.8686E-06	3.9368E-06	1.05E-03	4.11E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
190	2.8686E-06	3.3352E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
191	2.8686E-06	2.8679E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.42E-10	1,000,000	9.42E-04
192	2.8686E-06	2.809E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.23E-10	1,000,000	9.23E-04
193	2.8686E-06	3.5304E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
194	2.8686E-06	4.6988E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
195	2.8686E-06	6.2561E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
196	2.8686E-06	8.7703E-06	1.05E-03	9.17E-09	2.00	1.57E-01	2.88E-09	1,000,000	2.88E-03
197	2.8686E-06	1.2635E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.15E-09	1,000,000	4.15E-03
198	2.8686E-06	2.056E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.75E-09	1,000,000	6.75E-03
199	2.8686E-06	0.00012542	1.05E-03	1.31E-07	2.00	1.57E-01	4.12E-08	1,000,000	4.12E-02
200	2.8686E-06	1.3437E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.41E-09	1,000,000	4.41E-03
201	2.8686E-06	9.8243E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
202	2.8686E-06	7.508E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
203	2.8686E-06	5.9507E-06	1.05E-03	6.22E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
204	2.8686E-06	4.8409E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
205	2.8686E-06	4.0261E-06	1.05E-03	4.21E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
206	2.8686E-06	3.4092E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
207	2.8686E-06	2.9316E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.63E-10	1,000,000	9.63E-04
208	2.8686E-06	2.4704E-06	1.05E-03	2.58E-09	2.00	1.57E-01	8.11E-10	1,000,000	8.11E-04
209	2.8686E-06	3.0601E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
210	2.8686E-06	3.7519E-06	1.05E-03	3.92E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
211	2.8686E-06	5.0363E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
212	2.8686E-06	6.7816E-06	1.05E-03	7.09E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
213	2.8686E-06	9.7995E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
214	2.8686E-06	1.4697E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
215	2.8686E-06	2.2253E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.31E-09	1,000,000	7.31E-03
216	2.8686E-06	3.6948E-05	1.05E-03	3.86E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
217	2.8686E-06	4.4746E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	2.8686E-06	1.607E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.28E-09	1,000,000	5.28E-03
219	2.8686E-06	1.1936E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
220	2.8686E-06	9.1338E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
221	2.8686E-06	7.1867E-06	1.05E-03	7.51E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
222	2.8686E-06	5.7936E-06	1.05E-03	6.06E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
223	2.8686E-06	4.7691E-06	1.05E-03	4.98E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
224	2.8686E-06	3.9968E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
225	2.8686E-06	3.4014E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
226	2.8686E-06	2.9353E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.64E-10	1,000,000	9.64E-04
227	2.8686E-06	2.1446E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
228	2.8686E-06	2.5812E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.48E-10	1,000,000	8.48E-04
229	2.8686E-06	3.1589E-06	1.05E-03	3.30E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
230	2.8686E-06	4.0037E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
231	2.8686E-06	5.2167E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
232	2.8686E-06	6.7825E-06	1.05E-03	7.09E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
233	2.8686E-06	9.8226E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
234	2.8686E-06	1.3571E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.46E-09	1,000,000	4.46E-03
235	2.8686E-06	1.7652E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
236	2.8686E-06	2.0726E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.81E-09	1,000,000	6.81E-03
237	2.8686E-06	2.2134E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.27E-09	1,000,000	7.27E-03
238	2.8686E-06	1.9115E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.28E-09	1,000,000	6.28E-03
239	2.8686E-06	1.5512E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
240	2.8686E-06	1.2369E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.06E-09	1,000,000	4.06E-03
241	2.8686E-06	9.8779E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
242	2.8686E-06	7.9626E-06	1.05E-03	8.32E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
243	2.8686E-06	6.5034E-06	1.05E-03	6.80E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
244	2.8686E-06	5.3859E-06	1.05E-03	5.63E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
245	2.8686E-06	4.5216E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
246	2.8686E-06	3.8445E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
247	2.8686E-06	3.3072E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
248	2.8686E-06	2.8762E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.45E-10	1,000,000	9.45E-04
249	2.8686E-06	1.8669E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
250	2.8686E-06	2.1919E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.20E-10	1,000,000	7.20E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	2.8686E-06	2.6037E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.55E-10	1,000,000	8.55E-04
252	2.8686E-06	3.2182E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
253	2.8686E-06	3.984E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
254	2.8686E-06	5.2185E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
255	2.8686E-06	6.6002E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
256	2.8686E-06	8.841E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
257	2.8686E-06	1.062E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.49E-09	1,000,000	3.49E-03
258	2.8686E-06	1.1821E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
259	2.8686E-06	1.2477E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
260	2.8686E-06	1.2833E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
261	2.8686E-06	1.1199E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
262	2.8686E-06	9.4816E-06	1.05E-03	9.91E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
263	2.8686E-06	7.9751E-06	1.05E-03	8.34E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
264	2.8686E-06	6.7169E-06	1.05E-03	7.02E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
265	2.8686E-06	5.6881E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
266	2.8686E-06	4.8441E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
267	2.8686E-06	4.158E-06	1.05E-03	4.35E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
268	2.8686E-06	3.5978E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
269	2.8686E-06	3.1378E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
270	2.8686E-06	2.7582E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.06E-10	1,000,000	9.06E-04
271	2.8686E-06	1.5859E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
272	2.8686E-06	1.8238E-06	1.05E-03	1.91E-09	2.00	1.57E-01	5.99E-10	1,000,000	5.99E-04
273	2.8686E-06	2.1444E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
274	2.8686E-06	2.5437E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
275	2.8686E-06	3.0579E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
276	2.8686E-06	3.7815E-06	1.05E-03	3.95E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
277	2.8686E-06	4.6412E-06	1.05E-03	4.85E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
278	2.8686E-06	5.5366E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
279	2.8686E-06	6.6102E-06	1.05E-03	6.91E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
280	2.8686E-06	7.5405E-06	1.05E-03	7.88E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
281	2.8686E-06	8.2221E-06	1.05E-03	8.59E-09	2.00	1.57E-01	2.70E-09	1,000,000	2.70E-03
282	2.8686E-06	8.3736E-06	1.05E-03	8.75E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
283	2.8686E-06	8.3026E-06	1.05E-03	8.68E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.8686E-06	6.9491E-06	1.05E-03	7.26E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
285	2.8686E-06	6.454E-06	1.05E-03	6.75E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
286	2.8686E-06	5.6563E-06	1.05E-03	5.91E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
287	2.8686E-06	4.8963E-06	1.05E-03	5.12E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
288	2.8686E-06	4.2763E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
289	2.8686E-06	3.7476E-06	1.05E-03	3.92E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
290	2.8686E-06	3.3023E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
291	2.8686E-06	2.9222E-06	1.05E-03	3.05E-09	2.00	1.57E-01	9.60E-10	1,000,000	9.60E-04
292	2.8686E-06	2.5995E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
293	2.8686E-06	1.356E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
294	2.8686E-06	1.5448E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
295	2.8686E-06	1.7706E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.82E-10	1,000,000	5.82E-04
296	2.8686E-06	2.0291E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
297	2.8686E-06	2.4068E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.91E-10	1,000,000	7.91E-04
298	2.8686E-06	2.84E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.33E-10	1,000,000	9.33E-04
299	2.8686E-06	3.3611E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
300	2.8686E-06	4.0374E-06	1.05E-03	4.22E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
301	2.8686E-06	4.4828E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
302	2.8686E-06	5.1605E-06	1.05E-03	5.39E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
303	2.8686E-06	5.6726E-06	1.05E-03	5.93E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
304	2.8686E-06	5.9773E-06	1.05E-03	6.25E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
305	2.8686E-06	5.757E-06	1.05E-03	6.02E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
306	2.8686E-06	5.2319E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
307	2.8686E-06	4.8734E-06	1.05E-03	5.09E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
308	2.8686E-06	4.5135E-06	1.05E-03	4.72E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
309	2.8686E-06	4.2404E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
310	2.8686E-06	3.7865E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
311	2.8686E-06	3.3481E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
312	2.8686E-06	2.9962E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.84E-10	1,000,000	9.84E-04
313	2.8686E-06	2.6872E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.83E-10	1,000,000	8.83E-04
314	2.8686E-06	2.4185E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.94E-10	1,000,000	7.94E-04
315	2.8686E-06	1.1388E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
316	2.8686E-06	1.286E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	2.8686E-06	1.4518E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.77E-10	1,000,000	4.77E-04
318	2.8686E-06	1.6388E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
319	2.8686E-06	1.8428E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
320	2.8686E-06	2.2168E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
321	2.8686E-06	2.521E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.28E-10	1,000,000	8.28E-04
322	2.8686E-06	2.8998E-06	1.05E-03	3.03E-09	2.00	1.57E-01	9.53E-10	1,000,000	9.53E-04
323	2.8686E-06	3.3516E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
324	2.8686E-06	3.7244E-06	1.05E-03	3.89E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
325	2.8686E-06	4.0583E-06	1.05E-03	4.24E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
326	2.8686E-06	4.3815E-06	1.05E-03	4.58E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
327	2.8686E-06	4.8543E-06	1.05E-03	5.07E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
328	2.8686E-06	3.9893E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
329	2.8686E-06	3.7689E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
330	2.8686E-06	3.6147E-06	1.05E-03	3.78E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
331	2.8686E-06	3.4625E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
332	2.8686E-06	3.3003E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
333	2.8686E-06	3.0765E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
334	2.8686E-06	2.7332E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.98E-10	1,000,000	8.98E-04
335	2.8686E-06	2.4546E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
336	2.8686E-06	2.2328E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
337	2.8686E-06	9.854E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
338	2.8686E-06	1.0921E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.59E-10	1,000,000	3.59E-04
339	2.8686E-06	1.2004E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
340	2.8686E-06	1.3596E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
341	2.8686E-06	1.5089E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
342	2.8686E-06	1.7674E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
343	2.8686E-06	1.962E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
344	2.8686E-06	2.2311E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
345	2.8686E-06	2.5092E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.24E-10	1,000,000	8.24E-04
346	2.8686E-06	2.8297E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.30E-10	1,000,000	9.30E-04
347	2.8686E-06	3.0094E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.89E-10	1,000,000	9.89E-04
348	2.8686E-06	3.1798E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
349	2.8686E-06	2.9216E-06	1.05E-03	3.05E-09	2.00	1.57E-01	9.60E-10	1,000,000	9.60E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	2.8686E-06	2.8904E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.49E-10	1,000,000	9.49E-04
351	2.8686E-06	2.8589E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.39E-10	1,000,000	9.39E-04
352	2.8686E-06	2.7165E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.92E-10	1,000,000	8.92E-04
353	2.8686E-06	2.7916E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
354	2.8686E-06	2.6855E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.82E-10	1,000,000	8.82E-04
355	2.8686E-06	2.5958E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.53E-10	1,000,000	8.53E-04
356	2.8686E-06	2.4891E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.18E-10	1,000,000	8.18E-04
357	2.8686E-06	2.3512E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.72E-10	1,000,000	7.72E-04
358	2.8686E-06	2.2101E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.26E-10	1,000,000	7.26E-04
359	2.8686E-06	8.4008E-07	1.05E-03	8.78E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.76E-04
360	2.8686E-06	9.2892E-07	1.05E-03	9.71E-10	2.00	1.57E-01	3.05E-10	1,000,000	3.05E-04
361	2.8686E-06	1.0202E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
362	2.8686E-06	1.1242E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
363	2.8686E-06	1.231E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
364	2.8686E-06	1.3947E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.58E-10	1,000,000	4.58E-04
365	2.8686E-06	1.5709E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
366	2.8686E-06	1.7697E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
367	2.8686E-06	2.0081E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.60E-10	1,000,000	6.60E-04
368	2.8686E-06	2.1774E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.15E-10	1,000,000	7.15E-04
369	2.8686E-06	2.2639E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
370	2.8686E-06	2.2647E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
371	2.8686E-06	2.3019E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
372	2.8686E-06	2.2845E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.50E-10	1,000,000	7.50E-04
373	2.8686E-06	2.1983E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
374	2.8686E-06	2.1168E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.95E-10	1,000,000	6.95E-04
375	2.8686E-06	2.1672E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.12E-10	1,000,000	7.12E-04
376	2.8686E-06	2.1312E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.00E-10	1,000,000	7.00E-04
377	2.8686E-06	2.126E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.98E-10	1,000,000	6.98E-04
378	2.8686E-06	2.142E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
379	2.8686E-06	2.0625E-06	1.05E-03	2.16E-09	2.00	1.57E-01	6.78E-10	1,000,000	6.78E-04
380	2.8686E-06	1.947E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.40E-10	1,000,000	6.40E-04
381	2.8686E-06	3.89E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
382	2.8686E-06	4.5325E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	2.8686E-06	5.3077E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
384	2.8686E-06	6.2224E-06	1.05E-03	6.50E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
385	2.8686E-06	7.2553E-06	1.05E-03	7.58E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
386	2.8686E-06	8.314E-06	1.05E-03	8.69E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
387	2.8686E-06	9.2228E-06	1.05E-03	9.64E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
388	2.8686E-06	9.7733E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
389	2.8686E-06	9.7767E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
390	2.8686E-06	9.231E-06	1.05E-03	9.65E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
391	2.8686E-06	8.3087E-06	1.05E-03	8.68E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
392	2.8686E-06	7.2487E-06	1.05E-03	7.58E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
393	2.8686E-06	6.2189E-06	1.05E-03	6.50E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
394	2.8686E-06	5.3141E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
395	2.8686E-06	4.5356E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
396	2.8686E-06	3.8952E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
397	2.8686E-06	3.3706E-06	1.05E-03	3.52E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
398	2.8686E-06	2.9381E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.65E-10	1,000,000	9.65E-04
399	2.8686E-06	4.307E-06	1.05E-03	4.50E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
400	2.8686E-06	5.1326E-06	1.05E-03	5.36E-09	2.00	1.57E-01	1.69E-09	1,000,000	1.69E-03
401	2.8686E-06	6.1868E-06	1.05E-03	6.47E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
402	2.8686E-06	7.5197E-06	1.05E-03	7.86E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
403	2.8686E-06	9.153E-06	1.05E-03	9.57E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
404	2.8686E-06	1.0996E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
405	2.8686E-06	1.2768E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
406	2.8686E-06	1.3928E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
407	2.8686E-06	1.395E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
408	2.8686E-06	1.2839E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.22E-09	1,000,000	4.22E-03
409	2.8686E-06	1.1057E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.63E-09	1,000,000	3.63E-03
410	2.8686E-06	9.1797E-06	1.05E-03	9.59E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
411	2.8686E-06	7.5534E-06	1.05E-03	7.89E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
412	2.8686E-06	6.2364E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
413	2.8686E-06	5.1816E-06	1.05E-03	5.42E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
414	2.8686E-06	4.3575E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
415	2.8686E-06	3.7059E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	2.8686E-06	3.1799E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
417	2.8686E-06	4.7124E-06	1.05E-03	4.93E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
418	2.8686E-06	5.7463E-06	1.05E-03	6.01E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
419	2.8686E-06	7.1454E-06	1.05E-03	7.47E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
420	2.8686E-06	9.0625E-06	1.05E-03	9.47E-09	2.00	1.57E-01	2.98E-09	1,000,000	2.98E-03
421	2.8686E-06	1.1683E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.84E-09	1,000,000	3.84E-03
422	2.8686E-06	1.5122E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.97E-09	1,000,000	4.97E-03
423	2.8686E-06	1.9007E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.24E-09	1,000,000	6.24E-03
424	2.8686E-06	2.1921E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.20E-09	1,000,000	7.20E-03
425	2.8686E-06	2.1945E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.21E-09	1,000,000	7.21E-03
426	2.8686E-06	1.9147E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.29E-09	1,000,000	6.29E-03
427	2.8686E-06	1.5253E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03
428	2.8686E-06	1.1827E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
429	2.8686E-06	9.2086E-06	1.05E-03	9.62E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
430	2.8686E-06	7.2871E-06	1.05E-03	7.62E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
431	2.8686E-06	5.8855E-06	1.05E-03	6.15E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
432	2.8686E-06	4.8456E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
433	2.8686E-06	4.0682E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
434	2.8686E-06	3.4513E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
435	2.8686E-06	5.0619E-06	1.05E-03	5.29E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
436	2.8686E-06	6.3028E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
437	2.8686E-06	8.0846E-06	1.05E-03	8.45E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
438	2.8686E-06	1.0738E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
439	2.8686E-06	1.4853E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.88E-09	1,000,000	4.88E-03
440	2.8686E-06	2.1361E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.02E-09	1,000,000	7.02E-03
441	2.8686E-06	3.092E-05	1.05E-03	3.23E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
442	2.8686E-06	4.0423E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
443	2.8686E-06	4.0793E-05	1.05E-03	4.26E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
444	2.8686E-06	3.1547E-05	1.05E-03	3.30E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
445	2.8686E-06	2.1916E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.20E-09	1,000,000	7.20E-03
446	2.8686E-06	1.5362E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.05E-09	1,000,000	5.05E-03
447	2.8686E-06	1.12E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
448	2.8686E-06	8.4768E-06	1.05E-03	8.86E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.8686E-06	6.6554E-06	1.05E-03	6.96E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
450	2.8686E-06	5.3745E-06	1.05E-03	5.62E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
451	2.8686E-06	4.4179E-06	1.05E-03	4.62E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
452	2.8686E-06	3.7159E-06	1.05E-03	3.88E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
453	2.8686E-06	5.0689E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
454	2.8686E-06	6.6414E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
455	2.8686E-06	8.8319E-06	1.05E-03	9.23E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
456	2.8686E-06	1.2208E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.01E-09	1,000,000	4.01E-03
457	2.8686E-06	1.8122E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.95E-09	1,000,000	5.95E-03
458	2.8686E-06	2.9742E-05	1.05E-03	3.11E-08	2.00	1.57E-01	9.77E-09	1,000,000	9.77E-03
459	2.8686E-06	5.544E-05	1.05E-03	5.79E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
460	2.8686E-06	0.0001024	1.05E-03	1.07E-07	2.00	1.57E-01	3.36E-08	1,000,000	3.36E-02
461	2.8686E-06	0.00010528	1.05E-03	1.10E-07	2.00	1.57E-01	3.46E-08	1,000,000	3.46E-02
462	2.8686E-06	5.8912E-05	1.05E-03	6.16E-08	2.00	1.57E-01	1.94E-08	1,000,000	1.94E-02
463	2.8686E-06	3.222E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
464	2.8686E-06	1.9859E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.52E-09	1,000,000	6.52E-03
465	2.8686E-06	1.3473E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
466	2.8686E-06	9.7833E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
467	2.8686E-06	7.461E-06	1.05E-03	7.80E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
468	2.8686E-06	5.8954E-06	1.05E-03	6.16E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
469	2.8686E-06	4.7897E-06	1.05E-03	5.01E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
470	2.8686E-06	3.98E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
471	2.8686E-06	4.5954E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
472	2.8686E-06	6.1393E-06	1.05E-03	6.42E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
473	2.8686E-06	8.9408E-06	1.05E-03	9.34E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03
474	2.8686E-06	1.2802E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.21E-09	1,000,000	4.21E-03
475	2.8686E-06	2.0004E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
476	2.8686E-06	1.098E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
477	2.8686E-06	8.1608E-06	1.05E-03	8.53E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
478	2.8686E-06	6.3732E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
479	2.8686E-06	5.1218E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
480	2.8686E-06	4.2142E-06	1.05E-03	4.40E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
481	2.8686E-06	4.2701E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	2.8686E-06	5.6818E-06	1.05E-03	5.94E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
483	2.8686E-06	7.5979E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
484	2.8686E-06	1.0879E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
485	2.8686E-06	1.8339E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.02E-09	1,000,000	6.02E-03
486	2.8686E-06	1.1515E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
487	2.8686E-06	8.5675E-06	1.05E-03	8.95E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
488	2.8686E-06	6.6393E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
489	2.8686E-06	5.3242E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
490	2.8686E-06	4.3726E-06	1.05E-03	4.57E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
491	2.8686E-06	3.6675E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
492	2.8686E-06	4.8459E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
493	2.8686E-06	6.3996E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
494	2.8686E-06	9.0945E-06	1.05E-03	9.51E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
495	2.8686E-06	1.3719E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
496	2.8686E-06	6.3984E-05	1.05E-03	6.69E-08	2.00	1.57E-01	2.10E-08	1,000,000	2.10E-02
497	2.8686E-06	6.7517E-05	1.05E-03	7.06E-08	2.00	1.57E-01	2.22E-08	1,000,000	2.22E-02
498	2.8686E-06	1.5035E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
499	2.8686E-06	1.1021E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
500	2.8686E-06	8.3825E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
501	2.8686E-06	6.5944E-06	1.05E-03	6.89E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
502	2.8686E-06	5.3263E-06	1.05E-03	5.57E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
503	2.8686E-06	4.3989E-06	1.05E-03	4.60E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
504	2.8686E-06	3.118E-06	1.05E-03	3.26E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
505	2.8686E-06	3.859E-06	1.05E-03	4.03E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
506	2.8686E-06	5.232E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
507	2.8686E-06	6.8521E-06	1.05E-03	7.16E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
508	2.8686E-06	1.0174E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
509	2.8686E-06	1.445E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.75E-09	1,000,000	4.75E-03
510	2.8686E-06	2.0233E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.65E-09	1,000,000	6.65E-03
511	2.8686E-06	2.6424E-05	1.05E-03	2.76E-08	2.00	1.57E-01	8.68E-09	1,000,000	8.68E-03
512	2.8686E-06	3.0816E-05	1.05E-03	3.22E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
513	2.8686E-06	2.6853E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.82E-09	1,000,000	8.82E-03
514	2.8686E-06	2.1159E-05	1.05E-03	2.21E-08	2.00	1.57E-01	6.95E-09	1,000,000	6.95E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	2.8686E-06	1.6188E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.32E-09	1,000,000	5.32E-03
516	2.8686E-06	1.2407E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.08E-09	1,000,000	4.08E-03
517	2.8686E-06	9.6553E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
518	2.8686E-06	7.6615E-06	1.05E-03	8.01E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
519	2.8686E-06	6.1987E-06	1.05E-03	6.48E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
520	2.8686E-06	5.1065E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
521	2.8686E-06	4.2759E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
522	2.8686E-06	2.5997E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
523	2.8686E-06	3.2461E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
524	2.8686E-06	4.1096E-06	1.05E-03	4.30E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
525	2.8686E-06	5.2388E-06	1.05E-03	5.48E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
526	2.8686E-06	6.5442E-06	1.05E-03	6.84E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
527	2.8686E-06	9.3403E-06	1.05E-03	9.76E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
528	2.8686E-06	1.2167E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
529	2.8686E-06	1.4569E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
530	2.8686E-06	1.6007E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
531	2.8686E-06	1.6546E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.44E-09	1,000,000	5.44E-03
532	2.8686E-06	1.434E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.71E-09	1,000,000	4.71E-03
533	2.8686E-06	1.1927E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
534	2.8686E-06	9.7947E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
535	2.8686E-06	8.0643E-06	1.05E-03	8.43E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
536	2.8686E-06	6.6796E-06	1.05E-03	6.98E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
537	2.8686E-06	5.5829E-06	1.05E-03	5.84E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
538	2.8686E-06	4.7148E-06	1.05E-03	4.93E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
539	2.8686E-06	4.0224E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
540	2.8686E-06	2.1699E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.13E-10	1,000,000	7.13E-04
541	2.8686E-06	2.6301E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.64E-10	1,000,000	8.64E-04
542	2.8686E-06	3.205E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
543	2.8686E-06	3.939E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
544	2.8686E-06	5.0225E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
545	2.8686E-06	6.1157E-06	1.05E-03	6.39E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
546	2.8686E-06	7.5975E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.50E-09	1,000,000	2.50E-03
547	2.8686E-06	8.8627E-06	1.05E-03	9.26E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	2.8686E-06	9.9327E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
549	2.8686E-06	1.0056E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
550	2.8686E-06	1.0247E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
551	2.8686E-06	9.0339E-06	1.05E-03	9.44E-09	2.00	1.57E-01	2.97E-09	1,000,000	2.97E-03
552	2.8686E-06	7.7485E-06	1.05E-03	8.10E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
553	2.8686E-06	6.6369E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
554	2.8686E-06	5.692E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
555	2.8686E-06	4.9068E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
556	2.8686E-06	4.2442E-06	1.05E-03	4.44E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
557	2.8686E-06	3.6932E-06	1.05E-03	3.86E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
558	2.8686E-06	1.8155E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.96E-10	1,000,000	5.96E-04
559	2.8686E-06	2.152E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
560	2.8686E-06	2.4891E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.18E-10	1,000,000	8.18E-04
561	2.8686E-06	2.9883E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.82E-10	1,000,000	9.82E-04
562	2.8686E-06	3.4989E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
563	2.8686E-06	4.1658E-06	1.05E-03	4.35E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
564	2.8686E-06	5.0935E-06	1.05E-03	5.32E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
565	2.8686E-06	5.7607E-06	1.05E-03	6.02E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
566	2.8686E-06	6.6326E-06	1.05E-03	6.93E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
567	2.8686E-06	6.9291E-06	1.05E-03	7.24E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
568	2.8686E-06	7.0071E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
569	2.8686E-06	6.281E-06	1.05E-03	6.56E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
570	2.8686E-06	5.7188E-06	1.05E-03	5.98E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
571	2.8686E-06	5.3704E-06	1.05E-03	5.61E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
572	2.8686E-06	4.8694E-06	1.05E-03	5.09E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
573	2.8686E-06	4.2658E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
574	2.8686E-06	3.7675E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
575	2.8686E-06	3.3401E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	2.8686E-06	2.5125E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.0E-03
2	2.8686E-06	2.7941E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
3	2.8686E-06	3.1089E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
4	2.8686E-06	3.4523E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
5	2.8686E-06	3.8187E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
6	2.8686E-06	4.1915E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
7	2.8686E-06	4.5387E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
8	2.8686E-06	4.8286E-06	6.05E-04	2.92E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
9	2.8686E-06	5.0277E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
10	2.8686E-06	5.0969E-06	6.05E-04	3.08E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
11	2.8686E-06	5.0242E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
12	2.8686E-06	4.8236E-06	6.05E-04	2.92E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
13	2.8686E-06	4.5268E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
14	2.8686E-06	4.1734E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
15	2.8686E-06	3.8004E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
16	2.8686E-06	3.4305E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
17	2.8686E-06	3.0897E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
18	2.8686E-06	2.7777E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
19	2.8686E-06	2.4955E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.97E-10	1,000,000	9.97E-04
20	2.8686E-06	2.2508E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.99E-10	1,000,000	8.99E-04
21	2.8686E-06	2.0344E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.12E-10	1,000,000	8.12E-04
22	2.8686E-06	1.8423E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
23	2.8686E-06	2.7526E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
24	2.8686E-06	3.1031E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
25	2.8686E-06	3.5069E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
26	2.8686E-06	3.9655E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	2.8686E-06	4.4721E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
28	2.8686E-06	5.0139E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
29	2.8686E-06	5.5389E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
30	2.8686E-06	6.0038E-06	6.05E-04	3.63E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
31	2.8686E-06	6.3222E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
32	2.8686E-06	6.4352E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
33	2.8686E-06	6.311E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
34	2.8686E-06	5.9925E-06	6.05E-04	3.63E-09	14.00	4.71E-02	2.39E-09	1,000,000	2.39E-03
35	2.8686E-06	5.5324E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
36	2.8686E-06	5.0055E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
37	2.8686E-06	4.4528E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
38	2.8686E-06	3.9445E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
39	2.8686E-06	3.495E-06	6.05E-04	2.11E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
40	2.8686E-06	3.0946E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
41	2.8686E-06	2.7439E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
42	2.8686E-06	2.4419E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.75E-10	1,000,000	9.75E-04
43	2.8686E-06	2.1823E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.72E-10	1,000,000	8.72E-04
44	2.8686E-06	1.9695E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.86E-10	1,000,000	7.86E-04
45	2.8686E-06	3.0051E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
46	2.8686E-06	3.4378E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
47	2.8686E-06	3.955E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
48	2.8686E-06	4.5682E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
49	2.8686E-06	5.2799E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
50	2.8686E-06	6.0768E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
51	2.8686E-06	6.9097E-06	6.05E-04	4.18E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
52	2.8686E-06	7.6779E-06	6.05E-04	4.65E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.8686E-06	8.2427E-06	6.05E-04	4.99E-09	14.00	4.71E-02	3.29E-09	1,000,000	3.29E-03
54	2.8686E-06	8.4415E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
55	2.8686E-06	8.2281E-06	6.05E-04	4.98E-09	14.00	4.71E-02	3.29E-09	1,000,000	3.29E-03
56	2.8686E-06	7.6675E-06	6.05E-04	4.64E-09	14.00	4.71E-02	3.06E-09	1,000,000	3.06E-03
57	2.8686E-06	6.8984E-06	6.05E-04	4.17E-09	14.00	4.71E-02	2.75E-09	1,000,000	2.75E-03
58	2.8686E-06	6.0848E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
59	2.8686E-06	5.2681E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
60	2.8686E-06	4.5553E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
61	2.8686E-06	3.9552E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
62	2.8686E-06	3.4402E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
63	2.8686E-06	3.009E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
64	2.8686E-06	2.6498E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
65	2.8686E-06	2.351E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.39E-10	1,000,000	9.39E-04
66	2.8686E-06	2.0998E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.39E-10	1,000,000	8.39E-04
67	2.8686E-06	3.2605E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
68	2.8686E-06	3.7878E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
69	2.8686E-06	4.4429E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
70	2.8686E-06	5.256E-06	6.05E-04	3.18E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
71	2.8686E-06	6.259E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
72	2.8686E-06	7.464E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.98E-09	1,000,000	2.98E-03
73	2.8686E-06	8.8311E-06	6.05E-04	5.34E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
74	2.8686E-06	1.0193E-05	6.05E-04	6.17E-09	14.00	4.71E-02	4.07E-09	1,000,000	4.07E-03
75	2.8686E-06	1.1261E-05	6.05E-04	6.81E-09	14.00	4.71E-02	4.50E-09	1,000,000	4.50E-03
76	2.8686E-06	1.1683E-05	6.05E-04	7.07E-09	14.00	4.71E-02	4.67E-09	1,000,000	4.67E-03
77	2.8686E-06	1.1283E-05	6.05E-04	6.83E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
78	2.8686E-06	1.0233E-05	6.05E-04	6.19E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
79	2.8686E-06	8.8472E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
80	2.8686E-06	7.4798E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
81	2.8686E-06	6.2738E-06	6.05E-04	3.80E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
82	2.8686E-06	5.2859E-06	6.05E-04	3.20E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
83	2.8686E-06	4.4705E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
84	2.8686E-06	3.8205E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
85	2.8686E-06	3.2794E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	2.8686E-06	2.865E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
87	2.8686E-06	2.517E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
88	2.8686E-06	2.2322E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.91E-10	1,000,000	8.91E-04
89	2.8686E-06	3.5044E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
90	2.8686E-06	4.1341E-06	6.05E-04	2.50E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
91	2.8686E-06	4.9463E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
92	2.8686E-06	6.0087E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
93	2.8686E-06	7.4089E-06	6.05E-04	4.48E-09	14.00	4.71E-02	2.96E-09	1,000,000	2.96E-03
94	2.8686E-06	9.2375E-06	6.05E-04	5.59E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
95	2.8686E-06	1.1549E-05	6.05E-04	6.99E-09	14.00	4.71E-02	4.61E-09	1,000,000	4.61E-03
96	2.8686E-06	1.4175E-05	6.05E-04	8.58E-09	14.00	4.71E-02	5.66E-09	1,000,000	5.66E-03
97	2.8686E-06	1.6511E-05	6.05E-04	9.99E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
98	2.8686E-06	1.7502E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.99E-09	1,000,000	6.99E-03
99	2.8686E-06	1.6546E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.61E-09	1,000,000	6.61E-03
100	2.8686E-06	1.4248E-05	6.05E-04	8.62E-09	14.00	4.71E-02	5.69E-09	1,000,000	5.69E-03
101	2.8686E-06	1.1616E-05	6.05E-04	7.03E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
102	2.8686E-06	9.3048E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
103	2.8686E-06	7.4882E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
104	2.8686E-06	6.0905E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
105	2.8686E-06	5.0376E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
106	2.8686E-06	4.2229E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
107	2.8686E-06	3.5859E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
108	2.8686E-06	3.0865E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
109	2.8686E-06	2.6865E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
110	2.8686E-06	2.3668E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.45E-10	1,000,000	9.45E-04
111	2.8686E-06	3.7166E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
112	2.8686E-06	4.4472E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
113	2.8686E-06	5.4204E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
114	2.8686E-06	6.7594E-06	6.05E-04	4.09E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
115	2.8686E-06	8.6594E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
116	2.8686E-06	1.1395E-05	6.05E-04	6.89E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
117	2.8686E-06	1.5372E-05	6.05E-04	9.30E-09	14.00	4.71E-02	6.14E-09	1,000,000	6.14E-03
118	2.8686E-06	2.0853E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.33E-09	1,000,000	8.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	2.8686E-06	2.6842E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
120	2.8686E-06	2.9854E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
121	2.8686E-06	2.711E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
122	2.8686E-06	2.1118E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.43E-09	1,000,000	8.43E-03
123	2.8686E-06	1.5636E-05	6.05E-04	9.46E-09	14.00	4.71E-02	6.24E-09	1,000,000	6.24E-03
124	2.8686E-06	1.1653E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
125	2.8686E-06	8.9141E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
126	2.8686E-06	6.9969E-06	6.05E-04	4.23E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
127	2.8686E-06	5.6431E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
128	2.8686E-06	4.648E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
129	2.8686E-06	3.8917E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
130	2.8686E-06	3.3168E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
131	2.8686E-06	2.8618E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
132	2.8686E-06	2.5025E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.99E-10	1,000,000	9.99E-04
133	2.8686E-06	3.8344E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
134	2.8686E-06	4.6922E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
135	2.8686E-06	5.8096E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
136	2.8686E-06	7.4156E-06	6.05E-04	4.49E-09	14.00	4.71E-02	2.96E-09	1,000,000	2.96E-03
137	2.8686E-06	9.8422E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.93E-09	1,000,000	3.93E-03
138	2.8686E-06	1.3708E-05	6.05E-04	8.29E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
139	2.8686E-06	2.0313E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.11E-09	1,000,000	8.11E-03
140	2.8686E-06	3.2219E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
141	2.8686E-06	5.129E-05	6.05E-04	3.10E-08	14.00	4.71E-02	2.05E-08	1,000,000	2.05E-02
142	2.8686E-06	6.5119E-05	6.05E-04	3.94E-08	14.00	4.71E-02	2.60E-08	1,000,000	2.60E-02
143	2.8686E-06	5.2755E-05	6.05E-04	3.19E-08	14.00	4.71E-02	2.11E-08	1,000,000	2.11E-02
144	2.8686E-06	3.3419E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
145	2.8686E-06	2.1336E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.52E-09	1,000,000	8.52E-03
146	2.8686E-06	1.4544E-05	6.05E-04	8.80E-09	14.00	4.71E-02	5.81E-09	1,000,000	5.81E-03
147	2.8686E-06	1.0539E-05	6.05E-04	6.38E-09	14.00	4.71E-02	4.21E-09	1,000,000	4.21E-03
148	2.8686E-06	7.9869E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
149	2.8686E-06	6.2897E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
150	2.8686E-06	5.0802E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
151	2.8686E-06	4.1994E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.8686E-06	3.5446E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
153	2.8686E-06	3.0361E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
154	2.8686E-06	2.6361E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
155	2.8686E-06	3.3343E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
156	2.8686E-06	4.1571E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
157	2.8686E-06	5.4978E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
158	2.8686E-06	7.2232E-06	6.05E-04	4.37E-09	14.00	4.71E-02	2.88E-09	1,000,000	2.88E-03
159	2.8686E-06	1.0643E-05	6.05E-04	6.44E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
160	2.8686E-06	1.5468E-05	6.05E-04	9.36E-09	14.00	4.71E-02	6.18E-09	1,000,000	6.18E-03
161	2.8686E-06	2.4949E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.96E-09	1,000,000	9.96E-03
162	2.8686E-06	4.8127E-05	6.05E-04	2.91E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
163	2.8686E-06	0.00012479	6.05E-04	7.55E-08	14.00	4.71E-02	4.98E-08	1,000,000	4.98E-02
164	2.8686E-06	0.00026823	6.05E-04	1.62E-07	14.00	4.71E-02	1.07E-07	1,000,000	1.07E-01
165	2.8686E-06	0.00013851	6.05E-04	8.38E-08	14.00	4.71E-02	5.53E-08	1,000,000	5.53E-02
166	2.8686E-06	5.5064E-05	6.05E-04	3.33E-08	14.00	4.71E-02	2.20E-08	1,000,000	2.20E-02
167	2.8686E-06	2.8809E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
168	2.8686E-06	1.7857E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.13E-09	1,000,000	7.13E-03
169	2.8686E-06	1.2268E-05	6.05E-04	7.42E-09	14.00	4.71E-02	4.90E-09	1,000,000	4.90E-03
170	2.8686E-06	8.9885E-06	6.05E-04	5.44E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
171	2.8686E-06	6.8994E-06	6.05E-04	4.17E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
172	2.8686E-06	5.5042E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
173	2.8686E-06	4.4997E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
174	2.8686E-06	3.7614E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
175	2.8686E-06	3.2031E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
176	2.8686E-06	2.7652E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
177	2.8686E-06	3.1734E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
178	2.8686E-06	4.0047E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
179	2.8686E-06	5.2653E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
180	2.8686E-06	7.1626E-06	6.05E-04	4.33E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
181	2.8686E-06	1.0663E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
182	2.8686E-06	1.5686E-05	6.05E-04	9.49E-09	14.00	4.71E-02	6.26E-09	1,000,000	6.26E-03
183	2.8686E-06	2.6225E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
184	2.8686E-06	1.3518E-05	6.05E-04	8.18E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	2.8686E-06	9.7105E-06	6.05E-04	5.88E-09	14.00	4.71E-02	3.88E-09	1,000,000	3.88E-03
186	2.8686E-06	7.3962E-06	6.05E-04	4.48E-09	14.00	4.71E-02	2.95E-09	1,000,000	2.95E-03
187	2.8686E-06	5.8327E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
188	2.8686E-06	4.7339E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
189	2.8686E-06	3.9368E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
190	2.8686E-06	3.3352E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
191	2.8686E-06	2.8679E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
192	2.8686E-06	2.809E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
193	2.8686E-06	3.5304E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
194	2.8686E-06	4.6988E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
195	2.8686E-06	6.2561E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
196	2.8686E-06	8.7703E-06	6.05E-04	5.31E-09	14.00	4.71E-02	3.50E-09	1,000,000	3.50E-03
197	2.8686E-06	1.2635E-05	6.05E-04	7.64E-09	14.00	4.71E-02	5.05E-09	1,000,000	5.05E-03
198	2.8686E-06	2.056E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.21E-09	1,000,000	8.21E-03
199	2.8686E-06	0.00012542	6.05E-04	7.59E-08	14.00	4.71E-02	5.01E-08	1,000,000	5.01E-02
200	2.8686E-06	1.3437E-05	6.05E-04	8.13E-09	14.00	4.71E-02	5.37E-09	1,000,000	5.37E-03
201	2.8686E-06	9.8243E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
202	2.8686E-06	7.508E-06	6.05E-04	4.54E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
203	2.8686E-06	5.9507E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
204	2.8686E-06	4.8409E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
205	2.8686E-06	4.0261E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
206	2.8686E-06	3.4092E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
207	2.8686E-06	2.9316E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
208	2.8686E-06	2.4704E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.87E-10	1,000,000	9.87E-04
209	2.8686E-06	3.0601E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
210	2.8686E-06	3.7519E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
211	2.8686E-06	5.0363E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
212	2.8686E-06	6.7816E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
213	2.8686E-06	9.7995E-06	6.05E-04	5.93E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
214	2.8686E-06	1.4697E-05	6.05E-04	8.89E-09	14.00	4.71E-02	5.87E-09	1,000,000	5.87E-03
215	2.8686E-06	2.2253E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.89E-09	1,000,000	8.89E-03
216	2.8686E-06	3.6948E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
217	2.8686E-06	4.4746E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	2.8686E-06	1.607E-05	6.05E-04	9.72E-09	14.00	4.71E-02	6.42E-09	1,000,000	6.42E-03
219	2.8686E-06	1.1936E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
220	2.8686E-06	9.1338E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
221	2.8686E-06	7.1867E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
222	2.8686E-06	5.7936E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
223	2.8686E-06	4.7691E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
224	2.8686E-06	3.9968E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
225	2.8686E-06	3.4014E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
226	2.8686E-06	2.9353E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
227	2.8686E-06	2.1446E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.56E-10	1,000,000	8.56E-04
228	2.8686E-06	2.5812E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
229	2.8686E-06	3.1589E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
230	2.8686E-06	4.0037E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
231	2.8686E-06	5.2167E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
232	2.8686E-06	6.7825E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
233	2.8686E-06	9.8226E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
234	2.8686E-06	1.3571E-05	6.05E-04	8.21E-09	14.00	4.71E-02	5.42E-09	1,000,000	5.42E-03
235	2.8686E-06	1.7652E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
236	2.8686E-06	2.0726E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.28E-09	1,000,000	8.28E-03
237	2.8686E-06	2.2134E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.84E-09	1,000,000	8.84E-03
238	2.8686E-06	1.9115E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.63E-09	1,000,000	7.63E-03
239	2.8686E-06	1.5512E-05	6.05E-04	9.39E-09	14.00	4.71E-02	6.19E-09	1,000,000	6.19E-03
240	2.8686E-06	1.2369E-05	6.05E-04	7.48E-09	14.00	4.71E-02	4.94E-09	1,000,000	4.94E-03
241	2.8686E-06	9.8779E-06	6.05E-04	5.98E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
242	2.8686E-06	7.9626E-06	6.05E-04	4.82E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
243	2.8686E-06	6.5034E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
244	2.8686E-06	5.3859E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
245	2.8686E-06	4.5216E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
246	2.8686E-06	3.8445E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
247	2.8686E-06	3.3072E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
248	2.8686E-06	2.8762E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
249	2.8686E-06	1.8669E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.46E-10	1,000,000	7.46E-04
250	2.8686E-06	2.1919E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.75E-10	1,000,000	8.75E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	2.8686E-06	2.6037E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
252	2.8686E-06	3.2182E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
253	2.8686E-06	3.984E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
254	2.8686E-06	5.2185E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
255	2.8686E-06	6.6002E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
256	2.8686E-06	8.841E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
257	2.8686E-06	1.062E-05	6.05E-04	6.43E-09	14.00	4.71E-02	4.24E-09	1,000,000	4.24E-03
258	2.8686E-06	1.1821E-05	6.05E-04	7.15E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
259	2.8686E-06	1.2477E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
260	2.8686E-06	1.2833E-05	6.05E-04	7.76E-09	14.00	4.71E-02	5.12E-09	1,000,000	5.12E-03
261	2.8686E-06	1.1199E-05	6.05E-04	6.78E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
262	2.8686E-06	9.4816E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
263	2.8686E-06	7.9751E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.18E-09	1,000,000	3.18E-03
264	2.8686E-06	6.7169E-06	6.05E-04	4.06E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
265	2.8686E-06	5.6881E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
266	2.8686E-06	4.8441E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
267	2.8686E-06	4.158E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
268	2.8686E-06	3.5978E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
269	2.8686E-06	3.1378E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
270	2.8686E-06	2.7582E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
271	2.8686E-06	1.5859E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.33E-10	1,000,000	6.33E-04
272	2.8686E-06	1.8238E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.28E-10	1,000,000	7.28E-04
273	2.8686E-06	2.1444E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.56E-10	1,000,000	8.56E-04
274	2.8686E-06	2.5437E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
275	2.8686E-06	3.0579E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
276	2.8686E-06	3.7815E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
277	2.8686E-06	4.6412E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
278	2.8686E-06	5.5366E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
279	2.8686E-06	6.6102E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
280	2.8686E-06	7.5405E-06	6.05E-04	4.56E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
281	2.8686E-06	8.2221E-06	6.05E-04	4.97E-09	14.00	4.71E-02	3.28E-09	1,000,000	3.28E-03
282	2.8686E-06	8.3736E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.34E-09	1,000,000	3.34E-03
283	2.8686E-06	8.3026E-06	6.05E-04	5.02E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.8686E-06	6.9491E-06	6.05E-04	4.20E-09	14.00	4.71E-02	2.78E-09	1,000,000	2.78E-03
285	2.8686E-06	6.454E-06	6.05E-04	3.91E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
286	2.8686E-06	5.6563E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
287	2.8686E-06	4.8963E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
288	2.8686E-06	4.2763E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
289	2.8686E-06	3.7476E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
290	2.8686E-06	3.3023E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
291	2.8686E-06	2.9222E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
292	2.8686E-06	2.5995E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
293	2.8686E-06	1.356E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.42E-10	1,000,000	5.42E-04
294	2.8686E-06	1.5448E-06	6.05E-04	9.35E-10	14.00	4.71E-02	6.17E-10	1,000,000	6.17E-04
295	2.8686E-06	1.7706E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
296	2.8686E-06	2.0291E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.10E-10	1,000,000	8.10E-04
297	2.8686E-06	2.4068E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.61E-10	1,000,000	9.61E-04
298	2.8686E-06	2.84E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
299	2.8686E-06	3.3611E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
300	2.8686E-06	4.0374E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
301	2.8686E-06	4.4828E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
302	2.8686E-06	5.1605E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
303	2.8686E-06	5.6726E-06	6.05E-04	3.43E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
304	2.8686E-06	5.9773E-06	6.05E-04	3.62E-09	14.00	4.71E-02	2.39E-09	1,000,000	2.39E-03
305	2.8686E-06	5.757E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
306	2.8686E-06	5.2319E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
307	2.8686E-06	4.8734E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
308	2.8686E-06	4.5135E-06	6.05E-04	2.73E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
309	2.8686E-06	4.2404E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
310	2.8686E-06	3.7865E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
311	2.8686E-06	3.3481E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
312	2.8686E-06	2.9962E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
313	2.8686E-06	2.6872E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
314	2.8686E-06	2.4185E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.66E-10	1,000,000	9.66E-04
315	2.8686E-06	1.1388E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
316	2.8686E-06	1.286E-06	6.05E-04	7.78E-10	14.00	4.71E-02	5.14E-10	1,000,000	5.14E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	2.8686E-06	1.4518E-06	6.05E-04	8.78E-10	14.00	4.71E-02	5.80E-10	1,000,000	5.80E-04
318	2.8686E-06	1.6388E-06	6.05E-04	9.92E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
319	2.8686E-06	1.8428E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
320	2.8686E-06	2.2168E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
321	2.8686E-06	2.521E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
322	2.8686E-06	2.8998E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
323	2.8686E-06	3.3516E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
324	2.8686E-06	3.7244E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
325	2.8686E-06	4.0583E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
326	2.8686E-06	4.3815E-06	6.05E-04	2.65E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
327	2.8686E-06	4.8543E-06	6.05E-04	2.94E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
328	2.8686E-06	3.9893E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
329	2.8686E-06	3.7689E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
330	2.8686E-06	3.6147E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
331	2.8686E-06	3.4625E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
332	2.8686E-06	3.3003E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
333	2.8686E-06	3.0765E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
334	2.8686E-06	2.7332E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
335	2.8686E-06	2.4546E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
336	2.8686E-06	2.2328E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.92E-10	1,000,000	8.92E-04
337	2.8686E-06	9.854E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
338	2.8686E-06	1.0921E-06	6.05E-04	6.61E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
339	2.8686E-06	1.2004E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
340	2.8686E-06	1.3596E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
341	2.8686E-06	1.5089E-06	6.05E-04	9.13E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
342	2.8686E-06	1.7674E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.06E-10	1,000,000	7.06E-04
343	2.8686E-06	1.962E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.84E-10	1,000,000	7.84E-04
344	2.8686E-06	2.2311E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.91E-10	1,000,000	8.91E-04
345	2.8686E-06	2.5092E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
346	2.8686E-06	2.8297E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
347	2.8686E-06	3.0094E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
348	2.8686E-06	3.1798E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
349	2.8686E-06	2.9216E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	2.8686E-06	2.8904E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
351	2.8686E-06	2.8589E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
352	2.8686E-06	2.7165E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
353	2.8686E-06	2.7916E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
354	2.8686E-06	2.6855E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
355	2.8686E-06	2.5958E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
356	2.8686E-06	2.4891E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.94E-10	1,000,000	9.94E-04
357	2.8686E-06	2.3512E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.39E-10	1,000,000	9.39E-04
358	2.8686E-06	2.2101E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.83E-10	1,000,000	8.83E-04
359	2.8686E-06	8.4008E-07	6.05E-04	5.08E-10	14.00	4.71E-02	3.35E-10	1,000,000	3.35E-04
360	2.8686E-06	9.2892E-07	6.05E-04	5.62E-10	14.00	4.71E-02	3.71E-10	1,000,000	3.71E-04
361	2.8686E-06	1.0202E-06	6.05E-04	6.17E-10	14.00	4.71E-02	4.07E-10	1,000,000	4.07E-04
362	2.8686E-06	1.1242E-06	6.05E-04	6.80E-10	14.00	4.71E-02	4.49E-10	1,000,000	4.49E-04
363	2.8686E-06	1.231E-06	6.05E-04	7.45E-10	14.00	4.71E-02	4.92E-10	1,000,000	4.92E-04
364	2.8686E-06	1.3947E-06	6.05E-04	8.44E-10	14.00	4.71E-02	5.57E-10	1,000,000	5.57E-04
365	2.8686E-06	1.5709E-06	6.05E-04	9.51E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
366	2.8686E-06	1.7697E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
367	2.8686E-06	2.0081E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.02E-10	1,000,000	8.02E-04
368	2.8686E-06	2.1774E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
369	2.8686E-06	2.2639E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.04E-10	1,000,000	9.04E-04
370	2.8686E-06	2.2647E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.04E-10	1,000,000	9.04E-04
371	2.8686E-06	2.3019E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
372	2.8686E-06	2.2845E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.12E-10	1,000,000	9.12E-04
373	2.8686E-06	2.1983E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.78E-10	1,000,000	8.78E-04
374	2.8686E-06	2.1168E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.45E-10	1,000,000	8.45E-04
375	2.8686E-06	2.1672E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.65E-10	1,000,000	8.65E-04
376	2.8686E-06	2.1312E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.51E-10	1,000,000	8.51E-04
377	2.8686E-06	2.126E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.49E-10	1,000,000	8.49E-04
378	2.8686E-06	2.142E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.55E-10	1,000,000	8.55E-04
379	2.8686E-06	2.0625E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.24E-10	1,000,000	8.24E-04
380	2.8686E-06	1.947E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.78E-10	1,000,000	7.78E-04
381	2.8686E-06	3.89E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
382	2.8686E-06	4.5325E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	2.8686E-06	5.3077E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
384	2.8686E-06	6.2224E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
385	2.8686E-06	7.2553E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
386	2.8686E-06	8.314E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
387	2.8686E-06	9.2228E-06	6.05E-04	5.58E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
388	2.8686E-06	9.7733E-06	6.05E-04	5.91E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
389	2.8686E-06	9.7767E-06	6.05E-04	5.92E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
390	2.8686E-06	9.231E-06	6.05E-04	5.59E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
391	2.8686E-06	8.3087E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
392	2.8686E-06	7.2487E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
393	2.8686E-06	6.2189E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
394	2.8686E-06	5.3141E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
395	2.8686E-06	4.5356E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
396	2.8686E-06	3.8952E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
397	2.8686E-06	3.3706E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
398	2.8686E-06	2.9381E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
399	2.8686E-06	4.307E-06	6.05E-04	2.61E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
400	2.8686E-06	5.1326E-06	6.05E-04	3.11E-09	14.00	4.71E-02	2.05E-09	1,000,000	2.05E-03
401	2.8686E-06	6.1868E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
402	2.8686E-06	7.5197E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
403	2.8686E-06	9.153E-06	6.05E-04	5.54E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
404	2.8686E-06	1.0996E-05	6.05E-04	6.65E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
405	2.8686E-06	1.2768E-05	6.05E-04	7.73E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
406	2.8686E-06	1.3928E-05	6.05E-04	8.43E-09	14.00	4.71E-02	5.56E-09	1,000,000	5.56E-03
407	2.8686E-06	1.395E-05	6.05E-04	8.44E-09	14.00	4.71E-02	5.57E-09	1,000,000	5.57E-03
408	2.8686E-06	1.2839E-05	6.05E-04	7.77E-09	14.00	4.71E-02	5.13E-09	1,000,000	5.13E-03
409	2.8686E-06	1.1057E-05	6.05E-04	6.69E-09	14.00	4.71E-02	4.42E-09	1,000,000	4.42E-03
410	2.8686E-06	9.1797E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
411	2.8686E-06	7.5534E-06	6.05E-04	4.57E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
412	2.8686E-06	6.2364E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
413	2.8686E-06	5.1816E-06	6.05E-04	3.14E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
414	2.8686E-06	4.3575E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
415	2.8686E-06	3.7059E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	2.8686E-06	3.1799E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
417	2.8686E-06	4.7124E-06	6.05E-04	2.85E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
418	2.8686E-06	5.7463E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.29E-09	1,000,000	2.29E-03
419	2.8686E-06	7.1454E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
420	2.8686E-06	9.0625E-06	6.05E-04	5.48E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
421	2.8686E-06	1.1683E-05	6.05E-04	7.07E-09	14.00	4.71E-02	4.67E-09	1,000,000	4.67E-03
422	2.8686E-06	1.5122E-05	6.05E-04	9.15E-09	14.00	4.71E-02	6.04E-09	1,000,000	6.04E-03
423	2.8686E-06	1.9007E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.59E-09	1,000,000	7.59E-03
424	2.8686E-06	2.1921E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.75E-09	1,000,000	8.75E-03
425	2.8686E-06	2.1945E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.76E-09	1,000,000	8.76E-03
426	2.8686E-06	1.9147E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.65E-09	1,000,000	7.65E-03
427	2.8686E-06	1.5253E-05	6.05E-04	9.23E-09	14.00	4.71E-02	6.09E-09	1,000,000	6.09E-03
428	2.8686E-06	1.1827E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
429	2.8686E-06	9.2086E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
430	2.8686E-06	7.2871E-06	6.05E-04	4.41E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
431	2.8686E-06	5.8855E-06	6.05E-04	3.56E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
432	2.8686E-06	4.8456E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
433	2.8686E-06	4.0682E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
434	2.8686E-06	3.4513E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
435	2.8686E-06	5.0619E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
436	2.8686E-06	6.3028E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
437	2.8686E-06	8.0846E-06	6.05E-04	4.89E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
438	2.8686E-06	1.0738E-05	6.05E-04	6.50E-09	14.00	4.71E-02	4.29E-09	1,000,000	4.29E-03
439	2.8686E-06	1.4853E-05	6.05E-04	8.99E-09	14.00	4.71E-02	5.93E-09	1,000,000	5.93E-03
440	2.8686E-06	2.1361E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.53E-09	1,000,000	8.53E-03
441	2.8686E-06	3.092E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
442	2.8686E-06	4.0423E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
443	2.8686E-06	4.0793E-05	6.05E-04	2.47E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
444	2.8686E-06	3.1547E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
445	2.8686E-06	2.1916E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.75E-09	1,000,000	8.75E-03
446	2.8686E-06	1.5362E-05	6.05E-04	9.30E-09	14.00	4.71E-02	6.13E-09	1,000,000	6.13E-03
447	2.8686E-06	1.12E-05	6.05E-04	6.78E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
448	2.8686E-06	8.4768E-06	6.05E-04	5.13E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.8686E-06	6.6554E-06	6.05E-04	4.03E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
450	2.8686E-06	5.3745E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
451	2.8686E-06	4.4179E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
452	2.8686E-06	3.7159E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
453	2.8686E-06	5.0689E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
454	2.8686E-06	6.6414E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
455	2.8686E-06	8.8319E-06	6.05E-04	5.34E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
456	2.8686E-06	1.2208E-05	6.05E-04	7.39E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
457	2.8686E-06	1.8122E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.24E-09	1,000,000	7.24E-03
458	2.8686E-06	2.9742E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
459	2.8686E-06	5.544E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
460	2.8686E-06	0.0001024	6.05E-04	6.20E-08	14.00	4.71E-02	4.09E-08	1,000,000	4.09E-02
461	2.8686E-06	0.00010528	6.05E-04	6.37E-08	14.00	4.71E-02	4.20E-08	1,000,000	4.20E-02
462	2.8686E-06	5.8912E-05	6.05E-04	3.56E-08	14.00	4.71E-02	2.35E-08	1,000,000	2.35E-02
463	2.8686E-06	3.222E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
464	2.8686E-06	1.9859E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.93E-09	1,000,000	7.93E-03
465	2.8686E-06	1.3473E-05	6.05E-04	8.15E-09	14.00	4.71E-02	5.38E-09	1,000,000	5.38E-03
466	2.8686E-06	9.7833E-06	6.05E-04	5.92E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
467	2.8686E-06	7.461E-06	6.05E-04	4.51E-09	14.00	4.71E-02	2.98E-09	1,000,000	2.98E-03
468	2.8686E-06	5.8954E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
469	2.8686E-06	4.7897E-06	6.05E-04	2.90E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
470	2.8686E-06	3.98E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
471	2.8686E-06	4.5954E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
472	2.8686E-06	6.1393E-06	6.05E-04	3.71E-09	14.00	4.71E-02	2.45E-09	1,000,000	2.45E-03
473	2.8686E-06	8.9408E-06	6.05E-04	5.41E-09	14.00	4.71E-02	3.57E-09	1,000,000	3.57E-03
474	2.8686E-06	1.2802E-05	6.05E-04	7.75E-09	14.00	4.71E-02	5.11E-09	1,000,000	5.11E-03
475	2.8686E-06	2.0004E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.99E-09	1,000,000	7.99E-03
476	2.8686E-06	1.098E-05	6.05E-04	6.64E-09	14.00	4.71E-02	4.38E-09	1,000,000	4.38E-03
477	2.8686E-06	8.1608E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
478	2.8686E-06	6.3732E-06	6.05E-04	3.86E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
479	2.8686E-06	5.1218E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.05E-09	1,000,000	2.05E-03
480	2.8686E-06	4.2142E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
481	2.8686E-06	4.2701E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	2.8686E-06	5.6818E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
483	2.8686E-06	7.5979E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
484	2.8686E-06	1.0879E-05	6.05E-04	6.58E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
485	2.8686E-06	1.8339E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.32E-09	1,000,000	7.32E-03
486	2.8686E-06	1.1515E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
487	2.8686E-06	8.5675E-06	6.05E-04	5.18E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
488	2.8686E-06	6.6393E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
489	2.8686E-06	5.3242E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
490	2.8686E-06	4.3726E-06	6.05E-04	2.65E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
491	2.8686E-06	3.6675E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
492	2.8686E-06	4.8459E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
493	2.8686E-06	6.3996E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
494	2.8686E-06	9.0945E-06	6.05E-04	5.50E-09	14.00	4.71E-02	3.63E-09	1,000,000	3.63E-03
495	2.8686E-06	1.3719E-05	6.05E-04	8.30E-09	14.00	4.71E-02	5.48E-09	1,000,000	5.48E-03
496	2.8686E-06	6.3984E-05	6.05E-04	3.87E-08	14.00	4.71E-02	2.56E-08	1,000,000	2.56E-02
497	2.8686E-06	6.7517E-05	6.05E-04	4.09E-08	14.00	4.71E-02	2.70E-08	1,000,000	2.70E-02
498	2.8686E-06	1.5035E-05	6.05E-04	9.10E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
499	2.8686E-06	1.1021E-05	6.05E-04	6.67E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
500	2.8686E-06	8.3825E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
501	2.8686E-06	6.5944E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
502	2.8686E-06	5.3263E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
503	2.8686E-06	4.3989E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
504	2.8686E-06	3.118E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
505	2.8686E-06	3.859E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
506	2.8686E-06	5.232E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
507	2.8686E-06	6.8521E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
508	2.8686E-06	1.0174E-05	6.05E-04	6.16E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
509	2.8686E-06	1.445E-05	6.05E-04	8.74E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
510	2.8686E-06	2.0233E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.08E-09	1,000,000	8.08E-03
511	2.8686E-06	2.6424E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
512	2.8686E-06	3.0816E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
513	2.8686E-06	2.6853E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
514	2.8686E-06	2.1159E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.45E-09	1,000,000	8.45E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	2.8686E-06	1.6188E-05	6.05E-04	9.79E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
516	2.8686E-06	1.2407E-05	6.05E-04	7.51E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
517	2.8686E-06	9.6553E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
518	2.8686E-06	7.6615E-06	6.05E-04	4.64E-09	14.00	4.71E-02	3.06E-09	1,000,000	3.06E-03
519	2.8686E-06	6.1987E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
520	2.8686E-06	5.1065E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
521	2.8686E-06	4.2759E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
522	2.8686E-06	2.5997E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
523	2.8686E-06	3.2461E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
524	2.8686E-06	4.1096E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
525	2.8686E-06	5.2388E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
526	2.8686E-06	6.5442E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
527	2.8686E-06	9.3403E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
528	2.8686E-06	1.2167E-05	6.05E-04	7.36E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03
529	2.8686E-06	1.4569E-05	6.05E-04	8.82E-09	14.00	4.71E-02	5.82E-09	1,000,000	5.82E-03
530	2.8686E-06	1.6007E-05	6.05E-04	9.69E-09	14.00	4.71E-02	6.39E-09	1,000,000	6.39E-03
531	2.8686E-06	1.6546E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.61E-09	1,000,000	6.61E-03
532	2.8686E-06	1.434E-05	6.05E-04	8.68E-09	14.00	4.71E-02	5.73E-09	1,000,000	5.73E-03
533	2.8686E-06	1.1927E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
534	2.8686E-06	9.7947E-06	6.05E-04	5.93E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
535	2.8686E-06	8.0643E-06	6.05E-04	4.88E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
536	2.8686E-06	6.6796E-06	6.05E-04	4.04E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
537	2.8686E-06	5.5829E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
538	2.8686E-06	4.7148E-06	6.05E-04	2.85E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
539	2.8686E-06	4.0224E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
540	2.8686E-06	2.1699E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.67E-10	1,000,000	8.67E-04
541	2.8686E-06	2.6301E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
542	2.8686E-06	3.205E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
543	2.8686E-06	3.939E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
544	2.8686E-06	5.0225E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
545	2.8686E-06	6.1157E-06	6.05E-04	3.70E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
546	2.8686E-06	7.5975E-06	6.05E-04	4.60E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
547	2.8686E-06	8.8627E-06	6.05E-04	5.36E-09	14.00	4.71E-02	3.54E-09	1,000,000	3.54E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	2.8686E-06	9.9327E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
549	2.8686E-06	1.0056E-05	6.05E-04	6.08E-09	14.00	4.71E-02	4.02E-09	1,000,000	4.02E-03
550	2.8686E-06	1.0247E-05	6.05E-04	6.20E-09	14.00	4.71E-02	4.09E-09	1,000,000	4.09E-03
551	2.8686E-06	9.0339E-06	6.05E-04	5.47E-09	14.00	4.71E-02	3.61E-09	1,000,000	3.61E-03
552	2.8686E-06	7.7485E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.09E-09	1,000,000	3.09E-03
553	2.8686E-06	6.6369E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
554	2.8686E-06	5.692E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
555	2.8686E-06	4.9068E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
556	2.8686E-06	4.2442E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
557	2.8686E-06	3.6932E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
558	2.8686E-06	1.8155E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.25E-10	1,000,000	7.25E-04
559	2.8686E-06	2.152E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.59E-10	1,000,000	8.59E-04
560	2.8686E-06	2.4891E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.94E-10	1,000,000	9.94E-04
561	2.8686E-06	2.9883E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
562	2.8686E-06	3.4989E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
563	2.8686E-06	4.1658E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
564	2.8686E-06	5.0935E-06	6.05E-04	3.08E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
565	2.8686E-06	5.7607E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
566	2.8686E-06	6.6326E-06	6.05E-04	4.01E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
567	2.8686E-06	6.9291E-06	6.05E-04	4.19E-09	14.00	4.71E-02	2.77E-09	1,000,000	2.77E-03
568	2.8686E-06	7.0071E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
569	2.8686E-06	6.281E-06	6.05E-04	3.80E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
570	2.8686E-06	5.7188E-06	6.05E-04	3.46E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
571	2.8686E-06	5.3704E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
572	2.8686E-06	4.8694E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
573	2.8686E-06	4.2658E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
574	2.8686E-06	3.7675E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
575	2.8686E-06	3.3401E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	2.87E-06	2.5125E-06	2.50E-04	6.29E-10	1.40E+01	1.57E-02	1.38E-10	1.0E+06	1.4E-04	2.0E-03	Res	0.214	164
2	2.8686E-06	2.7941E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
3	2.8686E-06	3.1089E-06	2.50E-04	7.78E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
4	2.8686E-06	3.4523E-06	2.50E-04	8.64E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
5	2.8686E-06	3.8187E-06	2.50E-04	9.56E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
6	2.8686E-06	4.1915E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
7	2.8686E-06	4.5387E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
8	2.8686E-06	4.8286E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.66E-10	1,000,000	2.66E-04	3.8E-03			
9	2.8686E-06	5.0277E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
10	2.8686E-06	5.0969E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
11	2.8686E-06	5.0242E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
12	2.8686E-06	4.8236E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.66E-10	1,000,000	2.66E-04	3.8E-03			
13	2.8686E-06	4.5268E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
14	2.8686E-06	4.1734E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
15	2.8686E-06	3.8004E-06	2.50E-04	9.51E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
16	2.8686E-06	3.4305E-06	2.50E-04	8.59E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
17	2.8686E-06	3.0897E-06	2.50E-04	7.73E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
18	2.8686E-06	2.7777E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
19	2.8686E-06	2.4955E-06	2.50E-04	6.25E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
20	2.8686E-06	2.2508E-06	2.50E-04	5.63E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
21	2.8686E-06	2.0344E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
22	2.8686E-06	1.8423E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
23	2.8686E-06	2.7526E-06	2.50E-04	6.89E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
24	2.8686E-06	3.1031E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
25	2.8686E-06	3.5069E-06	2.50E-04	8.78E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
26	2.8686E-06	3.9655E-06	2.50E-04	9.92E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	2.8686E-06	4.4721E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
28	2.8686E-06	5.0139E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
29	2.8686E-06	5.5389E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
30	2.8686E-06	6.0038E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
31	2.8686E-06	6.3222E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
32	2.8686E-06	6.4352E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
33	2.8686E-06	6.311E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
34	2.8686E-06	5.9925E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.30E-10	1,000,000	3.30E-04	4.8E-03			
35	2.8686E-06	5.5324E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
36	2.8686E-06	5.0055E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
37	2.8686E-06	4.4528E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
38	2.8686E-06	3.9445E-06	2.50E-04	9.87E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
39	2.8686E-06	3.495E-06	2.50E-04	8.75E-10	14.00	1.57E-02	1.92E-10	1,000,000	1.92E-04	2.8E-03			
40	2.8686E-06	3.0946E-06	2.50E-04	7.74E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
41	2.8686E-06	2.7439E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
42	2.8686E-06	2.4419E-06	2.50E-04	6.11E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
43	2.8686E-06	2.1823E-06	2.50E-04	5.46E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
44	2.8686E-06	1.9695E-06	2.50E-04	4.93E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
45	2.8686E-06	3.0051E-06	2.50E-04	7.52E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
46	2.8686E-06	3.4378E-06	2.50E-04	8.60E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
47	2.8686E-06	3.955E-06	2.50E-04	9.90E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			
48	2.8686E-06	4.5682E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
49	2.8686E-06	5.2799E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
50	2.8686E-06	6.0768E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.8E-03			
51	2.8686E-06	6.9097E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.5E-03			
52	2.8686E-06	7.6779E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.23E-10	1,000,000	4.23E-04	6.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	2.8686E-06	8.2427E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.54E-10	1,000,000	4.54E-04	6.6E-03			
54	2.8686E-06	8.4415E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
55	2.8686E-06	8.2281E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.53E-10	1,000,000	4.53E-04	6.6E-03			
56	2.8686E-06	7.6675E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.22E-10	1,000,000	4.22E-04	6.1E-03			
57	2.8686E-06	6.8984E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.5E-03			
58	2.8686E-06	6.0848E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.8E-03			
59	2.8686E-06	5.2681E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
60	2.8686E-06	4.5553E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
61	2.8686E-06	3.9552E-06	2.50E-04	9.90E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			
62	2.8686E-06	3.4402E-06	2.50E-04	8.61E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
63	2.8686E-06	3.009E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
64	2.8686E-06	2.6498E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
65	2.8686E-06	2.351E-06	2.50E-04	5.88E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
66	2.8686E-06	2.0998E-06	2.50E-04	5.26E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
67	2.8686E-06	3.2605E-06	2.50E-04	8.16E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
68	2.8686E-06	3.7878E-06	2.50E-04	9.48E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
69	2.8686E-06	4.4429E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
70	2.8686E-06	5.256E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.89E-10	1,000,000	2.89E-04	4.2E-03			
71	2.8686E-06	6.259E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
72	2.8686E-06	7.464E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.11E-10	1,000,000	4.11E-04	5.9E-03			
73	2.8686E-06	8.8311E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.86E-10	1,000,000	4.86E-04	7.0E-03			
74	2.8686E-06	1.0193E-05	2.50E-04	2.55E-09	14.00	1.57E-02	5.61E-10	1,000,000	5.61E-04	8.1E-03			
75	2.8686E-06	1.1261E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.20E-10	1,000,000	6.20E-04	9.0E-03			
76	2.8686E-06	1.1683E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.43E-10	1,000,000	6.43E-04	9.3E-03			
77	2.8686E-06	1.1283E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.21E-10	1,000,000	6.21E-04	9.0E-03			
78	2.8686E-06	1.0233E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.63E-10	1,000,000	5.63E-04	8.2E-03			
79	2.8686E-06	8.8472E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
80	2.8686E-06	7.4798E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
81	2.8686E-06	6.2738E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
82	2.8686E-06	5.2859E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
83	2.8686E-06	4.4705E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
84	2.8686E-06	3.8205E-06	2.50E-04	9.56E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
85	2.8686E-06	3.2794E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	2.8686E-06	2.865E-06	2.50E-04	7.17E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
87	2.8686E-06	2.517E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
88	2.8686E-06	2.2322E-06	2.50E-04	5.59E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
89	2.8686E-06	3.5044E-06	2.50E-04	8.77E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
90	2.8686E-06	4.1341E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
91	2.8686E-06	4.9463E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
92	2.8686E-06	6.0087E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
93	2.8686E-06	7.4089E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.08E-10	1,000,000	4.08E-04	5.9E-03			
94	2.8686E-06	9.2375E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			
95	2.8686E-06	1.1549E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.36E-10	1,000,000	6.36E-04	9.2E-03			
96	2.8686E-06	1.4175E-05	2.50E-04	3.55E-09	14.00	1.57E-02	7.80E-10	1,000,000	7.80E-04	1.1E-02			
97	2.8686E-06	1.6511E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.09E-10	1,000,000	9.09E-04	1.3E-02			
98	2.8686E-06	1.7502E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.64E-10	1,000,000	9.64E-04	1.4E-02			
99	2.8686E-06	1.6546E-05	2.50E-04	4.14E-09	14.00	1.57E-02	9.11E-10	1,000,000	9.11E-04	1.3E-02			
100	2.8686E-06	1.4248E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.84E-10	1,000,000	7.84E-04	1.1E-02			
101	2.8686E-06	1.1616E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.40E-10	1,000,000	6.40E-04	9.3E-03			
102	2.8686E-06	9.3048E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.12E-10	1,000,000	5.12E-04	7.4E-03			
103	2.8686E-06	7.4882E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
104	2.8686E-06	6.0905E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.9E-03			
105	2.8686E-06	5.0376E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
106	2.8686E-06	4.2229E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
107	2.8686E-06	3.5859E-06	2.50E-04	8.97E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
108	2.8686E-06	3.0865E-06	2.50E-04	7.72E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
109	2.8686E-06	2.6865E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
110	2.8686E-06	2.3668E-06	2.50E-04	5.92E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
111	2.8686E-06	3.7166E-06	2.50E-04	9.30E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
112	2.8686E-06	4.4472E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
113	2.8686E-06	5.4204E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.3E-03			
114	2.8686E-06	6.7594E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.72E-10	1,000,000	3.72E-04	5.4E-03			
115	2.8686E-06	8.6594E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
116	2.8686E-06	1.1395E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.27E-10	1,000,000	6.27E-04	9.1E-03			
117	2.8686E-06	1.5372E-05	2.50E-04	3.85E-09	14.00	1.57E-02	8.46E-10	1,000,000	8.46E-04	1.2E-02			
118	2.8686E-06	2.0853E-05	2.50E-04	5.22E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	2.8686E-06	2.6842E-05	2.50E-04	6.72E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
120	2.8686E-06	2.9854E-05	2.50E-04	7.47E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
121	2.8686E-06	2.711E-05	2.50E-04	6.78E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.2E-02			
122	2.8686E-06	2.1118E-05	2.50E-04	5.29E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
123	2.8686E-06	1.5636E-05	2.50E-04	3.91E-09	14.00	1.57E-02	8.61E-10	1,000,000	8.61E-04	1.2E-02			
124	2.8686E-06	1.1653E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.3E-03			
125	2.8686E-06	8.9141E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
126	2.8686E-06	6.9969E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			
127	2.8686E-06	5.6431E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
128	2.8686E-06	4.648E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
129	2.8686E-06	3.8917E-06	2.50E-04	9.74E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
130	2.8686E-06	3.3168E-06	2.50E-04	8.30E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
131	2.8686E-06	2.8618E-06	2.50E-04	7.16E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
132	2.8686E-06	2.5025E-06	2.50E-04	6.26E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
133	2.8686E-06	3.8344E-06	2.50E-04	9.60E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
134	2.8686E-06	4.6922E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.58E-10	1,000,000	2.58E-04	3.7E-03			
135	2.8686E-06	5.8096E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
136	2.8686E-06	7.4156E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.08E-10	1,000,000	4.08E-04	5.9E-03			
137	2.8686E-06	9.8422E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.42E-10	1,000,000	5.42E-04	7.8E-03			
138	2.8686E-06	1.3708E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.55E-10	1,000,000	7.55E-04	1.1E-02			
139	2.8686E-06	2.0313E-05	2.50E-04	5.08E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
140	2.8686E-06	3.2219E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
141	2.8686E-06	5.129E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.82E-09	1,000,000	2.82E-03	4.1E-02			
142	2.8686E-06	6.5119E-05	2.50E-04	1.63E-08	14.00	1.57E-02	3.59E-09	1,000,000	3.59E-03	5.2E-02			
143	2.8686E-06	5.2755E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.90E-09	1,000,000	2.90E-03	4.2E-02			
144	2.8686E-06	3.3419E-05	2.50E-04	8.36E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
145	2.8686E-06	2.1336E-05	2.50E-04	5.34E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
146	2.8686E-06	1.4544E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.01E-10	1,000,000	8.01E-04	1.2E-02			
147	2.8686E-06	1.0539E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.80E-10	1,000,000	5.80E-04	8.4E-03			
148	2.8686E-06	7.9869E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.4E-03			
149	2.8686E-06	6.2897E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.46E-10	1,000,000	3.46E-04	5.0E-03			
150	2.8686E-06	5.0802E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.80E-10	1,000,000	2.80E-04	4.0E-03			
151	2.8686E-06	4.1994E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	2.8686E-06	3.5446E-06	2.50E-04	8.87E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
153	2.8686E-06	3.0361E-06	2.50E-04	7.60E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
154	2.8686E-06	2.6361E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
155	2.8686E-06	3.3343E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
156	2.8686E-06	4.1571E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
157	2.8686E-06	5.4978E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
158	2.8686E-06	7.2232E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.98E-10	1,000,000	3.98E-04	5.8E-03			
159	2.8686E-06	1.0643E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.86E-10	1,000,000	5.86E-04	8.5E-03			
160	2.8686E-06	1.5468E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.52E-10	1,000,000	8.52E-04	1.2E-02			
161	2.8686E-06	2.4949E-05	2.50E-04	6.24E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
162	2.8686E-06	4.8127E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.65E-09	1,000,000	2.65E-03	3.8E-02			
163	2.8686E-06	0.00012479	2.50E-04	3.12E-08	14.00	1.57E-02	6.87E-09	1,000,000	6.87E-03	9.9E-02			
164	2.8686E-06	0.00026823	2.50E-04	6.71E-08	14.00	1.57E-02	1.48E-08	1,000,000	1.48E-02	2.1E-01			
165	2.8686E-06	0.00013851	2.50E-04	3.47E-08	14.00	1.57E-02	7.63E-09	1,000,000	7.63E-03	1.1E-01			
166	2.8686E-06	5.5064E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.03E-09	1,000,000	3.03E-03	4.4E-02			
167	2.8686E-06	2.8809E-05	2.50E-04	7.21E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
168	2.8686E-06	1.7857E-05	2.50E-04	4.47E-09	14.00	1.57E-02	9.83E-10	1,000,000	9.83E-04	1.4E-02			
169	2.8686E-06	1.2268E-05	2.50E-04	3.07E-09	14.00	1.57E-02	6.75E-10	1,000,000	6.75E-04	9.8E-03			
170	2.8686E-06	8.9885E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.95E-10	1,000,000	4.95E-04	7.2E-03			
171	2.8686E-06	6.8994E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.5E-03			
172	2.8686E-06	5.5042E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
173	2.8686E-06	4.4997E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.48E-10	1,000,000	2.48E-04	3.6E-03			
174	2.8686E-06	3.7614E-06	2.50E-04	9.41E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
175	2.8686E-06	3.2031E-06	2.50E-04	8.02E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.6E-03			
176	2.8686E-06	2.7652E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
177	2.8686E-06	3.1734E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
178	2.8686E-06	4.0047E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
179	2.8686E-06	5.2653E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
180	2.8686E-06	7.1626E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.7E-03			
181	2.8686E-06	1.0663E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
182	2.8686E-06	1.5686E-05	2.50E-04	3.93E-09	14.00	1.57E-02	8.64E-10	1,000,000	8.64E-04	1.2E-02			
183	2.8686E-06	2.6225E-05	2.50E-04	6.56E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
184	2.8686E-06	1.3518E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.44E-10	1,000,000	7.44E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	2.8686E-06	9.7105E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.35E-10	1,000,000	5.35E-04	7.7E-03			
186	2.8686E-06	7.3962E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.07E-10	1,000,000	4.07E-04	5.9E-03			
187	2.8686E-06	5.8327E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.6E-03			
188	2.8686E-06	4.7339E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
189	2.8686E-06	3.9368E-06	2.50E-04	9.85E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
190	2.8686E-06	3.3352E-06	2.50E-04	8.35E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
191	2.8686E-06	2.8679E-06	2.50E-04	7.18E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
192	2.8686E-06	2.809E-06	2.50E-04	7.03E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
193	2.8686E-06	3.5304E-06	2.50E-04	8.84E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
194	2.8686E-06	4.6988E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
195	2.8686E-06	6.2561E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.44E-10	1,000,000	3.44E-04	5.0E-03			
196	2.8686E-06	8.7703E-06	2.50E-04	2.19E-09	14.00	1.57E-02	4.83E-10	1,000,000	4.83E-04	7.0E-03			
197	2.8686E-06	1.2635E-05	2.50E-04	3.16E-09	14.00	1.57E-02	6.96E-10	1,000,000	6.96E-04	1.0E-02			
198	2.8686E-06	2.056E-05	2.50E-04	5.15E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
199	2.8686E-06	0.00012542	2.50E-04	3.14E-08	14.00	1.57E-02	6.91E-09	1,000,000	6.91E-03	1.0E-01			
200	2.8686E-06	1.3437E-05	2.50E-04	3.36E-09	14.00	1.57E-02	7.40E-10	1,000,000	7.40E-04	1.1E-02			
201	2.8686E-06	9.8243E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.41E-10	1,000,000	5.41E-04	7.8E-03			
202	2.8686E-06	7.508E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.13E-10	1,000,000	4.13E-04	6.0E-03			
203	2.8686E-06	5.9507E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
204	2.8686E-06	4.8409E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
205	2.8686E-06	4.0261E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
206	2.8686E-06	3.4092E-06	2.50E-04	8.53E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
207	2.8686E-06	2.9316E-06	2.50E-04	7.34E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
208	2.8686E-06	2.4704E-06	2.50E-04	6.18E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
209	2.8686E-06	3.0601E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
210	2.8686E-06	3.7519E-06	2.50E-04	9.39E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
211	2.8686E-06	5.0363E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
212	2.8686E-06	6.7816E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
213	2.8686E-06	9.7995E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.40E-10	1,000,000	5.40E-04	7.8E-03			
214	2.8686E-06	1.4697E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.09E-10	1,000,000	8.09E-04	1.2E-02			
215	2.8686E-06	2.2253E-05	2.50E-04	5.57E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
216	2.8686E-06	3.6948E-05	2.50E-04	9.25E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.9E-02			
217	2.8686E-06	4.4746E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.46E-09	1,000,000	2.46E-03	3.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	2.8686E-06	1.607E-05	2.50E-04	4.02E-09	14.00	1.57E-02	8.85E-10	1,000,000	8.85E-04	1.3E-02			
219	2.8686E-06	1.1936E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.5E-03			
220	2.8686E-06	9.1338E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
221	2.8686E-06	7.1867E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
222	2.8686E-06	5.7936E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.19E-10	1,000,000	3.19E-04	4.6E-03			
223	2.8686E-06	4.7691E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
224	2.8686E-06	3.9968E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
225	2.8686E-06	3.4014E-06	2.50E-04	8.51E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
226	2.8686E-06	2.9353E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
227	2.8686E-06	2.1446E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
228	2.8686E-06	2.5812E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
229	2.8686E-06	3.1589E-06	2.50E-04	7.91E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
230	2.8686E-06	4.0037E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
231	2.8686E-06	5.2167E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
232	2.8686E-06	6.7825E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
233	2.8686E-06	9.8226E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.41E-10	1,000,000	5.41E-04	7.8E-03			
234	2.8686E-06	1.3571E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.47E-10	1,000,000	7.47E-04	1.1E-02			
235	2.8686E-06	1.7652E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.72E-10	1,000,000	9.72E-04	1.4E-02			
236	2.8686E-06	2.0726E-05	2.50E-04	5.19E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
237	2.8686E-06	2.2134E-05	2.50E-04	5.54E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
238	2.8686E-06	1.9115E-05	2.50E-04	4.78E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
239	2.8686E-06	1.5512E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
240	2.8686E-06	1.2369E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.81E-10	1,000,000	6.81E-04	9.9E-03			
241	2.8686E-06	9.8779E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.44E-10	1,000,000	5.44E-04	7.9E-03			
242	2.8686E-06	7.9626E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.38E-10	1,000,000	4.38E-04	6.3E-03			
243	2.8686E-06	6.5034E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
244	2.8686E-06	5.3859E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
245	2.8686E-06	4.5216E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
246	2.8686E-06	3.8445E-06	2.50E-04	9.62E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
247	2.8686E-06	3.3072E-06	2.50E-04	8.28E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
248	2.8686E-06	2.8762E-06	2.50E-04	7.20E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
249	2.8686E-06	1.8669E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
250	2.8686E-06	2.1919E-06	2.50E-04	5.49E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	2.8686E-06	2.6037E-06	2.50E-04	6.52E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
252	2.8686E-06	3.2182E-06	2.50E-04	8.05E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
253	2.8686E-06	3.984E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
254	2.8686E-06	5.2185E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
255	2.8686E-06	6.6002E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.3E-03			
256	2.8686E-06	8.841E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
257	2.8686E-06	1.062E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.85E-10	1,000,000	5.85E-04	8.5E-03			
258	2.8686E-06	1.1821E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.51E-10	1,000,000	6.51E-04	9.4E-03			
259	2.8686E-06	1.2477E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
260	2.8686E-06	1.2833E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.0E-02			
261	2.8686E-06	1.1199E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.17E-10	1,000,000	6.17E-04	8.9E-03			
262	2.8686E-06	9.4816E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.6E-03			
263	2.8686E-06	7.9751E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.4E-03			
264	2.8686E-06	6.7169E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.70E-10	1,000,000	3.70E-04	5.3E-03			
265	2.8686E-06	5.6881E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
266	2.8686E-06	4.8441E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
267	2.8686E-06	4.158E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
268	2.8686E-06	3.5978E-06	2.50E-04	9.00E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
269	2.8686E-06	3.1378E-06	2.50E-04	7.85E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
270	2.8686E-06	2.7582E-06	2.50E-04	6.90E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
271	2.8686E-06	1.5859E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.73E-11	1,000,000	8.73E-05	1.3E-03			
272	2.8686E-06	1.8238E-06	2.50E-04	4.56E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.5E-03			
273	2.8686E-06	2.1444E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
274	2.8686E-06	2.5437E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
275	2.8686E-06	3.0579E-06	2.50E-04	7.65E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
276	2.8686E-06	3.7815E-06	2.50E-04	9.46E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
277	2.8686E-06	4.6412E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
278	2.8686E-06	5.5366E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
279	2.8686E-06	6.6102E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
280	2.8686E-06	7.5405E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.15E-10	1,000,000	4.15E-04	6.0E-03			
281	2.8686E-06	8.2221E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.53E-10	1,000,000	4.53E-04	6.5E-03			
282	2.8686E-06	8.3736E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.7E-03			
283	2.8686E-06	8.3026E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.57E-10	1,000,000	4.57E-04	6.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	2.8686E-06	6.9491E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.83E-10	1,000,000	3.83E-04	5.5E-03			
285	2.8686E-06	6.454E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
286	2.8686E-06	5.6563E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
287	2.8686E-06	4.8963E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
288	2.8686E-06	4.2763E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
289	2.8686E-06	3.7476E-06	2.50E-04	9.38E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
290	2.8686E-06	3.3023E-06	2.50E-04	8.26E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
291	2.8686E-06	2.9222E-06	2.50E-04	7.31E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
292	2.8686E-06	2.5995E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
293	2.8686E-06	1.356E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.47E-11	1,000,000	7.47E-05	1.1E-03			
294	2.8686E-06	1.5448E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.51E-11	1,000,000	8.51E-05	1.2E-03			
295	2.8686E-06	1.7706E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.75E-11	1,000,000	9.75E-05	1.4E-03			
296	2.8686E-06	2.0291E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
297	2.8686E-06	2.4068E-06	2.50E-04	6.02E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
298	2.8686E-06	2.84E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
299	2.8686E-06	3.3611E-06	2.50E-04	8.41E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
300	2.8686E-06	4.0374E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
301	2.8686E-06	4.4828E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
302	2.8686E-06	5.1605E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
303	2.8686E-06	5.6726E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.12E-10	1,000,000	3.12E-04	4.5E-03			
304	2.8686E-06	5.9773E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.29E-10	1,000,000	3.29E-04	4.8E-03			
305	2.8686E-06	5.757E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
306	2.8686E-06	5.2319E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
307	2.8686E-06	4.8734E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.68E-10	1,000,000	2.68E-04	3.9E-03			
308	2.8686E-06	4.5135E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
309	2.8686E-06	4.2404E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
310	2.8686E-06	3.7865E-06	2.50E-04	9.48E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
311	2.8686E-06	3.3481E-06	2.50E-04	8.38E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
312	2.8686E-06	2.9962E-06	2.50E-04	7.50E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
313	2.8686E-06	2.6872E-06	2.50E-04	6.73E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
314	2.8686E-06	2.4185E-06	2.50E-04	6.05E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
315	2.8686E-06	1.1388E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
316	2.8686E-06	1.286E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.08E-11	1,000,000	7.08E-05	1.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	2.8686E-06	1.4518E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.99E-11	1,000,000	7.99E-05	1.2E-03			
318	2.8686E-06	1.6388E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
319	2.8686E-06	1.8428E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
320	2.8686E-06	2.2168E-06	2.50E-04	5.55E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
321	2.8686E-06	2.521E-06	2.50E-04	6.31E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
322	2.8686E-06	2.8998E-06	2.50E-04	7.26E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
323	2.8686E-06	3.3516E-06	2.50E-04	8.39E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
324	2.8686E-06	3.7244E-06	2.50E-04	9.32E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
325	2.8686E-06	4.0583E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
326	2.8686E-06	4.3815E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
327	2.8686E-06	4.8543E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
328	2.8686E-06	3.9893E-06	2.50E-04	9.98E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
329	2.8686E-06	3.7689E-06	2.50E-04	9.43E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
330	2.8686E-06	3.6147E-06	2.50E-04	9.05E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
331	2.8686E-06	3.4625E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
332	2.8686E-06	3.3003E-06	2.50E-04	8.26E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
333	2.8686E-06	3.0765E-06	2.50E-04	7.70E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.5E-03			
334	2.8686E-06	2.7332E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
335	2.8686E-06	2.4546E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
336	2.8686E-06	2.2328E-06	2.50E-04	5.59E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
337	2.8686E-06	9.854E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.8E-04			
338	2.8686E-06	1.0921E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
339	2.8686E-06	1.2004E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
340	2.8686E-06	1.3596E-06	2.50E-04	3.40E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
341	2.8686E-06	1.5089E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
342	2.8686E-06	1.7674E-06	2.50E-04	4.42E-10	14.00	1.57E-02	9.73E-11	1,000,000	9.73E-05	1.4E-03			
343	2.8686E-06	1.962E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
344	2.8686E-06	2.2311E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
345	2.8686E-06	2.5092E-06	2.50E-04	6.28E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
346	2.8686E-06	2.8297E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
347	2.8686E-06	3.0094E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
348	2.8686E-06	3.1798E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
349	2.8686E-06	2.9216E-06	2.50E-04	7.31E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years											
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max Receptor #
350	2.8686E-06	2.8904E-06	2.50E-04	7.23E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03		
351	2.8686E-06	2.8589E-06	2.50E-04	7.15E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03		
352	2.8686E-06	2.7165E-06	2.50E-04	6.80E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03		
353	2.8686E-06	2.7916E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03		
354	2.8686E-06	2.6855E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03		
355	2.8686E-06	2.5958E-06	2.50E-04	6.50E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03		
356	2.8686E-06	2.4891E-06	2.50E-04	6.23E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03		
357	2.8686E-06	2.3512E-06	2.50E-04	5.88E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03		
358	2.8686E-06	2.2101E-06	2.50E-04	5.53E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03		
359	2.8686E-06	8.4008E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.63E-11	1,000,000	4.63E-05	6.7E-04		
360	2.8686E-06	9.2892E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.11E-11	1,000,000	5.11E-05	7.4E-04		
361	2.8686E-06	1.0202E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04		
362	2.8686E-06	1.1242E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.19E-11	1,000,000	6.19E-05	9.0E-04		
363	2.8686E-06	1.231E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.78E-11	1,000,000	6.78E-05	9.8E-04		
364	2.8686E-06	1.3947E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.68E-11	1,000,000	7.68E-05	1.1E-03		
365	2.8686E-06	1.5709E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.65E-11	1,000,000	8.65E-05	1.3E-03		
366	2.8686E-06	1.7697E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.74E-11	1,000,000	9.74E-05	1.4E-03		
367	2.8686E-06	2.0081E-06	2.50E-04	5.03E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03		
368	2.8686E-06	2.1774E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03		
369	2.8686E-06	2.2639E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03		
370	2.8686E-06	2.2647E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03		
371	2.8686E-06	2.3019E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03		
372	2.8686E-06	2.2845E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03		
373	2.8686E-06	2.1983E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03		
374	2.8686E-06	2.1168E-06	2.50E-04	5.30E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03		
375	2.8686E-06	2.1672E-06	2.50E-04	5.42E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03		
376	2.8686E-06	2.1312E-06	2.50E-04	5.33E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03		
377	2.8686E-06	2.126E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03		
378	2.8686E-06	2.142E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03		
379	2.8686E-06	2.0625E-06	2.50E-04	5.16E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03		
380	2.8686E-06	1.947E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03		
381	2.8686E-06	3.89E-06	2.50E-04	9.74E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03		
382	2.8686E-06	4.5325E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03		

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	2.8686E-06	5.3077E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
384	2.8686E-06	6.2224E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
385	2.8686E-06	7.2553E-06	2.50E-04	1.82E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
386	2.8686E-06	8.314E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
387	2.8686E-06	9.2228E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.3E-03			
388	2.8686E-06	9.7733E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.8E-03			
389	2.8686E-06	9.7767E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.8E-03			
390	2.8686E-06	9.231E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.4E-03			
391	2.8686E-06	8.3087E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.57E-10	1,000,000	4.57E-04	6.6E-03			
392	2.8686E-06	7.2487E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
393	2.8686E-06	6.2189E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	5.0E-03			
394	2.8686E-06	5.3141E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
395	2.8686E-06	4.5356E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
396	2.8686E-06	3.8952E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
397	2.8686E-06	3.3706E-06	2.50E-04	8.44E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
398	2.8686E-06	2.9381E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
399	2.8686E-06	4.307E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
400	2.8686E-06	5.1326E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.83E-10	1,000,000	2.83E-04	4.1E-03			
401	2.8686E-06	6.1868E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
402	2.8686E-06	7.5197E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
403	2.8686E-06	9.153E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.04E-10	1,000,000	5.04E-04	7.3E-03			
404	2.8686E-06	1.0996E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.8E-03			
405	2.8686E-06	1.2768E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.03E-10	1,000,000	7.03E-04	1.0E-02			
406	2.8686E-06	1.3928E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.67E-10	1,000,000	7.67E-04	1.1E-02			
407	2.8686E-06	1.395E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.68E-10	1,000,000	7.68E-04	1.1E-02			
408	2.8686E-06	1.2839E-05	2.50E-04	3.21E-09	14.00	1.57E-02	7.07E-10	1,000,000	7.07E-04	1.0E-02			
409	2.8686E-06	1.1057E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.09E-10	1,000,000	6.09E-04	8.8E-03			
410	2.8686E-06	9.1797E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
411	2.8686E-06	7.5534E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.0E-03			
412	2.8686E-06	6.2364E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
413	2.8686E-06	5.1816E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
414	2.8686E-06	4.3575E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
415	2.8686E-06	3.7059E-06	2.50E-04	9.27E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	2.8686E-06	3.1799E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
417	2.8686E-06	4.7124E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.8E-03			
418	2.8686E-06	5.7463E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.16E-10	1,000,000	3.16E-04	4.6E-03			
419	2.8686E-06	7.1454E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.7E-03			
420	2.8686E-06	9.0625E-06	2.50E-04	2.27E-09	14.00	1.57E-02	4.99E-10	1,000,000	4.99E-04	7.2E-03			
421	2.8686E-06	1.1683E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.43E-10	1,000,000	6.43E-04	9.3E-03			
422	2.8686E-06	1.5122E-05	2.50E-04	3.78E-09	14.00	1.57E-02	8.33E-10	1,000,000	8.33E-04	1.2E-02			
423	2.8686E-06	1.9007E-05	2.50E-04	4.76E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
424	2.8686E-06	2.1921E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
425	2.8686E-06	2.1945E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
426	2.8686E-06	1.9147E-05	2.50E-04	4.79E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
427	2.8686E-06	1.5253E-05	2.50E-04	3.82E-09	14.00	1.57E-02	8.40E-10	1,000,000	8.40E-04	1.2E-02			
428	2.8686E-06	1.1827E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.51E-10	1,000,000	6.51E-04	9.4E-03			
429	2.8686E-06	9.2086E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
430	2.8686E-06	7.2871E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.01E-10	1,000,000	4.01E-04	5.8E-03			
431	2.8686E-06	5.8855E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.24E-10	1,000,000	3.24E-04	4.7E-03			
432	2.8686E-06	4.8456E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
433	2.8686E-06	4.0682E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
434	2.8686E-06	3.4513E-06	2.50E-04	8.64E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
435	2.8686E-06	5.0619E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
436	2.8686E-06	6.3028E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
437	2.8686E-06	8.0846E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.45E-10	1,000,000	4.45E-04	6.4E-03			
438	2.8686E-06	1.0738E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.91E-10	1,000,000	5.91E-04	8.6E-03			
439	2.8686E-06	1.4853E-05	2.50E-04	3.72E-09	14.00	1.57E-02	8.18E-10	1,000,000	8.18E-04	1.2E-02			
440	2.8686E-06	2.1361E-05	2.50E-04	5.35E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
441	2.8686E-06	3.092E-05	2.50E-04	7.74E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
442	2.8686E-06	4.0423E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			
443	2.8686E-06	4.0793E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.25E-09	1,000,000	2.25E-03	3.2E-02			
444	2.8686E-06	3.1547E-05	2.50E-04	7.90E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
445	2.8686E-06	2.1916E-05	2.50E-04	5.49E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
446	2.8686E-06	1.5362E-05	2.50E-04	3.84E-09	14.00	1.57E-02	8.46E-10	1,000,000	8.46E-04	1.2E-02			
447	2.8686E-06	1.12E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.17E-10	1,000,000	6.17E-04	8.9E-03			
448	2.8686E-06	8.4768E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.67E-10	1,000,000	4.67E-04	6.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	2.8686E-06	6.6554E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
450	2.8686E-06	5.3745E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
451	2.8686E-06	4.4179E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
452	2.8686E-06	3.7159E-06	2.50E-04	9.30E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
453	2.8686E-06	5.0689E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
454	2.8686E-06	6.6414E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
455	2.8686E-06	8.8319E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.86E-10	1,000,000	4.86E-04	7.0E-03			
456	2.8686E-06	1.2208E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.72E-10	1,000,000	6.72E-04	9.7E-03			
457	2.8686E-06	1.8122E-05	2.50E-04	4.54E-09	14.00	1.57E-02	9.98E-10	1,000,000	9.98E-04	1.4E-02			
458	2.8686E-06	2.9742E-05	2.50E-04	7.44E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
459	2.8686E-06	5.544E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
460	2.8686E-06	0.0001024	2.50E-04	2.56E-08	14.00	1.57E-02	5.64E-09	1,000,000	5.64E-03	8.2E-02			
461	2.8686E-06	0.00010528	2.50E-04	2.63E-08	14.00	1.57E-02	5.80E-09	1,000,000	5.80E-03	8.4E-02			
462	2.8686E-06	5.8912E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.24E-09	1,000,000	3.24E-03	4.7E-02			
463	2.8686E-06	3.222E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
464	2.8686E-06	1.9859E-05	2.50E-04	4.97E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
465	2.8686E-06	1.3473E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.42E-10	1,000,000	7.42E-04	1.1E-02			
466	2.8686E-06	9.7833E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.39E-10	1,000,000	5.39E-04	7.8E-03			
467	2.8686E-06	7.461E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.11E-10	1,000,000	4.11E-04	5.9E-03			
468	2.8686E-06	5.8954E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.7E-03			
469	2.8686E-06	4.7897E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.64E-10	1,000,000	2.64E-04	3.8E-03			
470	2.8686E-06	3.98E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
471	2.8686E-06	4.5954E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
472	2.8686E-06	6.1393E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.38E-10	1,000,000	3.38E-04	4.9E-03			
473	2.8686E-06	8.9408E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.92E-10	1,000,000	4.92E-04	7.1E-03			
474	2.8686E-06	1.2802E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.05E-10	1,000,000	7.05E-04	1.0E-02			
475	2.8686E-06	2.0004E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
476	2.8686E-06	1.098E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.7E-03			
477	2.8686E-06	8.1608E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.49E-10	1,000,000	4.49E-04	6.5E-03			
478	2.8686E-06	6.3732E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
479	2.8686E-06	5.1218E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
480	2.8686E-06	4.2142E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
481	2.8686E-06	4.2701E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	2.8686E-06	5.6818E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
483	2.8686E-06	7.5979E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.1E-03			
484	2.8686E-06	1.0879E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.99E-10	1,000,000	5.99E-04	8.7E-03			
485	2.8686E-06	1.8339E-05	2.50E-04	4.59E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
486	2.8686E-06	1.1515E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
487	2.8686E-06	8.5675E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
488	2.8686E-06	6.6393E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
489	2.8686E-06	5.3242E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
490	2.8686E-06	4.3726E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
491	2.8686E-06	3.6675E-06	2.50E-04	9.18E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
492	2.8686E-06	4.8459E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
493	2.8686E-06	6.3996E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
494	2.8686E-06	9.0945E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.01E-10	1,000,000	5.01E-04	7.2E-03			
495	2.8686E-06	1.3719E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.55E-10	1,000,000	7.55E-04	1.1E-02			
496	2.8686E-06	6.3984E-05	2.50E-04	1.60E-08	14.00	1.57E-02	3.52E-09	1,000,000	3.52E-03	5.1E-02			
497	2.8686E-06	6.7517E-05	2.50E-04	1.69E-08	14.00	1.57E-02	3.72E-09	1,000,000	3.72E-03	5.4E-02			
498	2.8686E-06	1.5035E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.28E-10	1,000,000	8.28E-04	1.2E-02			
499	2.8686E-06	1.1021E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.07E-10	1,000,000	6.07E-04	8.8E-03			
500	2.8686E-06	8.3825E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
501	2.8686E-06	6.5944E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.3E-03			
502	2.8686E-06	5.3263E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
503	2.8686E-06	4.3989E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
504	2.8686E-06	3.118E-06	2.50E-04	7.80E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
505	2.8686E-06	3.859E-06	2.50E-04	9.66E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
506	2.8686E-06	5.232E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
507	2.8686E-06	6.8521E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.5E-03			
508	2.8686E-06	1.0174E-05	2.50E-04	2.55E-09	14.00	1.57E-02	5.60E-10	1,000,000	5.60E-04	8.1E-03			
509	2.8686E-06	1.445E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.96E-10	1,000,000	7.96E-04	1.2E-02			
510	2.8686E-06	2.0233E-05	2.50E-04	5.06E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
511	2.8686E-06	2.6424E-05	2.50E-04	6.61E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
512	2.8686E-06	3.0816E-05	2.50E-04	7.71E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
513	2.8686E-06	2.6853E-05	2.50E-04	6.72E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
514	2.8686E-06	2.1159E-05	2.50E-04	5.30E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	2.8686E-06	1.6188E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.91E-10	1,000,000	8.91E-04	1.3E-02			
516	2.8686E-06	1.2407E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.83E-10	1,000,000	6.83E-04	9.9E-03			
517	2.8686E-06	9.6553E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.7E-03			
518	2.8686E-06	7.6615E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.22E-10	1,000,000	4.22E-04	6.1E-03			
519	2.8686E-06	6.1987E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
520	2.8686E-06	5.1065E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
521	2.8686E-06	4.2759E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
522	2.8686E-06	2.5997E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
523	2.8686E-06	3.2461E-06	2.50E-04	8.12E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
524	2.8686E-06	4.1096E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.26E-10	1,000,000	2.26E-04	3.3E-03			
525	2.8686E-06	5.2388E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
526	2.8686E-06	6.5442E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
527	2.8686E-06	9.3403E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
528	2.8686E-06	1.2167E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.70E-10	1,000,000	6.70E-04	9.7E-03			
529	2.8686E-06	1.4569E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.02E-10	1,000,000	8.02E-04	1.2E-02			
530	2.8686E-06	1.6007E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.81E-10	1,000,000	8.81E-04	1.3E-02			
531	2.8686E-06	1.6546E-05	2.50E-04	4.14E-09	14.00	1.57E-02	9.11E-10	1,000,000	9.11E-04	1.3E-02			
532	2.8686E-06	1.434E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.90E-10	1,000,000	7.90E-04	1.1E-02			
533	2.8686E-06	1.1927E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.5E-03			
534	2.8686E-06	9.7947E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.39E-10	1,000,000	5.39E-04	7.8E-03			
535	2.8686E-06	8.0643E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.44E-10	1,000,000	4.44E-04	6.4E-03			
536	2.8686E-06	6.6796E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.68E-10	1,000,000	3.68E-04	5.3E-03			
537	2.8686E-06	5.5829E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
538	2.8686E-06	4.7148E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
539	2.8686E-06	4.0224E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
540	2.8686E-06	2.1699E-06	2.50E-04	5.43E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
541	2.8686E-06	2.6301E-06	2.50E-04	6.58E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
542	2.8686E-06	3.205E-06	2.50E-04	8.02E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.6E-03			
543	2.8686E-06	3.939E-06	2.50E-04	9.86E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
544	2.8686E-06	5.0225E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
545	2.8686E-06	6.1157E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.37E-10	1,000,000	3.37E-04	4.9E-03			
546	2.8686E-06	7.5975E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.1E-03			
547	2.8686E-06	8.8627E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.88E-10	1,000,000	4.88E-04	7.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	2.8686E-06	9.9327E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
549	2.8686E-06	1.0056E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.54E-10	1,000,000	5.54E-04	8.0E-03			
550	2.8686E-06	1.0247E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.64E-10	1,000,000	5.64E-04	8.2E-03			
551	2.8686E-06	9.0339E-06	2.50E-04	2.26E-09	14.00	1.57E-02	4.97E-10	1,000,000	4.97E-04	7.2E-03			
552	2.8686E-06	7.7485E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.27E-10	1,000,000	4.27E-04	6.2E-03			
553	2.8686E-06	6.6369E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.65E-10	1,000,000	3.65E-04	5.3E-03			
554	2.8686E-06	5.692E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
555	2.8686E-06	4.9068E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
556	2.8686E-06	4.2442E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
557	2.8686E-06	3.6932E-06	2.50E-04	9.24E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
558	2.8686E-06	1.8155E-06	2.50E-04	4.54E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
559	2.8686E-06	2.152E-06	2.50E-04	5.39E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
560	2.8686E-06	2.4891E-06	2.50E-04	6.23E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
561	2.8686E-06	2.9883E-06	2.50E-04	7.48E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
562	2.8686E-06	3.4989E-06	2.50E-04	8.76E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
563	2.8686E-06	4.1658E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
564	2.8686E-06	5.0935E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.80E-10	1,000,000	2.80E-04	4.1E-03			
565	2.8686E-06	5.7607E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
566	2.8686E-06	6.6326E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.65E-10	1,000,000	3.65E-04	5.3E-03			
567	2.8686E-06	6.9291E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.82E-10	1,000,000	3.82E-04	5.5E-03			
568	2.8686E-06	7.0071E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
569	2.8686E-06	6.281E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.46E-10	1,000,000	3.46E-04	5.0E-03			
570	2.8686E-06	5.7188E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.15E-10	1,000,000	3.15E-04	4.6E-03			
571	2.8686E-06	5.3704E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
572	2.8686E-06	4.8694E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.68E-10	1,000,000	2.68E-04	3.9E-03			
573	2.8686E-06	4.2658E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
574	2.8686E-06	3.7675E-06	2.50E-04	9.43E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
575	2.8686E-06	3.3401E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	5.02E-07		5.365E-05	164 Res
2	5	5.59E-07			
3	5	6.22E-07			
4	5	6.90E-07			
5	5	7.64E-07			
6	5	8.38E-07			
7	5	9.08E-07			
8	5	9.66E-07			
9	5	1.01E-06			
10	5	1.02E-06			
11	5	1.00E-06			
12	5	9.65E-07			
13	5	9.05E-07			
14	5	8.35E-07			
15	5	7.60E-07			
16	5	6.86E-07			
17	5	6.18E-07			
18	5	5.56E-07			
19	5	4.99E-07			
20	5	4.50E-07			
21	5	4.07E-07			
22	5	3.68E-07			
23	5	5.51E-07			
24	5	6.21E-07			
25	5	7.01E-07			
26	5	7.93E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	8.94E-07			
28	5	1.00E-06			
29	5	1.11E-06			
30	5	1.20E-06			
31	5	1.26E-06			
32	5	1.29E-06			
33	5	1.26E-06			
34	5	1.20E-06			
35	5	1.11E-06			
36	5	1.00E-06			
37	5	8.91E-07			
38	5	7.89E-07			
39	5	6.99E-07			
40	5	6.19E-07			
41	5	5.49E-07			
42	5	4.88E-07			
43	5	4.36E-07			
44	5	3.94E-07			
45	5	6.01E-07			
46	5	6.88E-07			
47	5	7.91E-07			
48	5	9.14E-07			
49	5	1.06E-06			
50	5	1.22E-06			
51	5	1.38E-06			
52	5	1.54E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	1.65E-06			
54	5	1.69E-06			
55	5	1.65E-06			
56	5	1.53E-06			
57	5	1.38E-06			
58	5	1.22E-06			
59	5	1.05E-06			
60	5	9.11E-07			
61	5	7.91E-07			
62	5	6.88E-07			
63	5	6.02E-07			
64	5	5.30E-07			
65	5	4.70E-07			
66	5	4.20E-07			
67	5	6.52E-07			
68	5	7.58E-07			
69	5	8.89E-07			
70	5	1.05E-06			
71	5	1.25E-06			
72	5	1.49E-06			
73	5	1.77E-06			
74	5	2.04E-06			
75	5	2.25E-06			
76	5	2.34E-06			
77	5	2.26E-06			
78	5	2.05E-06			
79	5	1.77E-06			
80	5	1.50E-06			
81	5	1.25E-06			
82	5	1.06E-06			
83	5	8.94E-07			
84	5	7.64E-07			
85	5	6.56E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	5.73E-07			
87	5	5.03E-07			
88	5	4.46E-07			
89	5	7.01E-07			
90	5	8.27E-07			
91	5	9.89E-07			
92	5	1.20E-06			
93	5	1.48E-06			
94	5	1.85E-06			
95	5	2.31E-06			
96	5	2.83E-06			
97	5	3.30E-06			
98	5	3.50E-06			
99	5	3.31E-06			
100	5	2.85E-06			
101	5	2.32E-06			
102	5	1.86E-06			
103	5	1.50E-06			
104	5	1.22E-06			
105	5	1.01E-06			
106	5	8.45E-07			
107	5	7.17E-07			
108	5	6.17E-07			
109	5	5.37E-07			
110	5	4.73E-07			
111	5	7.43E-07			
112	5	8.89E-07			
113	5	1.08E-06			
114	5	1.35E-06			
115	5	1.73E-06			
116	5	2.28E-06			
117	5	3.07E-06			
118	5	4.17E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	5.37E-06			
120	5	5.97E-06			
121	5	5.42E-06			
122	5	4.22E-06			
123	5	3.13E-06			
124	5	2.33E-06			
125	5	1.78E-06			
126	5	1.40E-06			
127	5	1.13E-06			
128	5	9.30E-07			
129	5	7.78E-07			
130	5	6.63E-07			
131	5	5.72E-07			
132	5	5.00E-07			
133	5	7.67E-07			
134	5	9.38E-07			
135	5	1.16E-06			
136	5	1.48E-06			
137	5	1.97E-06			
138	5	2.74E-06			
139	5	4.06E-06			
140	5	6.44E-06			
141	5	1.03E-05			
142	5	1.30E-05			
143	5	1.06E-05			
144	5	6.68E-06			
145	5	4.27E-06			
146	5	2.91E-06			
147	5	2.11E-06			
148	5	1.60E-06			
149	5	1.26E-06			
150	5	1.02E-06			
151	5	8.40E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	7.09E-07			
153	5	6.07E-07			
154	5	5.27E-07			
155	5	6.67E-07			
156	5	8.31E-07			
157	5	1.10E-06			
158	5	1.44E-06			
159	5	2.13E-06			
160	5	3.09E-06			
161	5	4.99E-06			
162	5	9.63E-06			
163	5	2.50E-05			
164	5	5.36E-05			
165	5	2.77E-05			
166	5	1.10E-05			
167	5	5.76E-06			
168	5	3.57E-06			
169	5	2.45E-06			
170	5	1.80E-06			
171	5	1.38E-06			
172	5	1.10E-06			
173	5	9.00E-07			
174	5	7.52E-07			
175	5	6.41E-07			
176	5	5.53E-07			
177	5	6.35E-07			
178	5	8.01E-07			
179	5	1.05E-06			
180	5	1.43E-06			
181	5	2.13E-06			
182	5	3.14E-06			
183	5	5.24E-06			
184	5	2.70E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	1.94E-06			
186	5	1.48E-06			
187	5	1.17E-06			
188	5	9.47E-07			
189	5	7.87E-07			
190	5	6.67E-07			
191	5	5.74E-07			
192	5	5.62E-07			
193	5	7.06E-07			
194	5	9.40E-07			
195	5	1.25E-06			
196	5	1.75E-06			
197	5	2.53E-06			
198	5	4.11E-06			
199	5	2.51E-05			
200	5	2.69E-06			
201	5	1.96E-06			
202	5	1.50E-06			
203	5	1.19E-06			
204	5	9.68E-07			
205	5	8.05E-07			
206	5	6.82E-07			
207	5	5.86E-07			
208	5	4.94E-07			
209	5	6.12E-07			
210	5	7.50E-07			
211	5	1.01E-06			
212	5	1.36E-06			
213	5	1.96E-06			
214	5	2.94E-06			
215	5	4.45E-06			
216	5	7.39E-06			
217	5	8.95E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	3.21E-06			
219	5	2.39E-06			
220	5	1.83E-06			
221	5	1.44E-06			
222	5	1.16E-06			
223	5	9.54E-07			
224	5	7.99E-07			
225	5	6.80E-07			
226	5	5.87E-07			
227	5	4.29E-07			
228	5	5.16E-07			
229	5	6.32E-07			
230	5	8.01E-07			
231	5	1.04E-06			
232	5	1.36E-06			
233	5	1.96E-06			
234	5	2.71E-06			
235	5	3.53E-06			
236	5	4.15E-06			
237	5	4.43E-06			
238	5	3.82E-06			
239	5	3.10E-06			
240	5	2.47E-06			
241	5	1.98E-06			
242	5	1.59E-06			
243	5	1.30E-06			
244	5	1.08E-06			
245	5	9.04E-07			
246	5	7.69E-07			
247	5	6.61E-07			
248	5	5.75E-07			
249	5	3.73E-07			
250	5	4.38E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	5.21E-07			
252	5	6.44E-07			
253	5	7.97E-07			
254	5	1.04E-06			
255	5	1.32E-06			
256	5	1.77E-06			
257	5	2.12E-06			
258	5	2.36E-06			
259	5	2.50E-06			
260	5	2.57E-06			
261	5	2.24E-06			
262	5	1.90E-06			
263	5	1.60E-06			
264	5	1.34E-06			
265	5	1.14E-06			
266	5	9.69E-07			
267	5	8.32E-07			
268	5	7.20E-07			
269	5	6.28E-07			
270	5	5.52E-07			
271	5	3.17E-07			
272	5	3.65E-07			
273	5	4.29E-07			
274	5	5.09E-07			
275	5	6.12E-07			
276	5	7.56E-07			
277	5	9.28E-07			
278	5	1.11E-06			
279	5	1.32E-06			
280	5	1.51E-06			
281	5	1.64E-06			
282	5	1.67E-06			
283	5	1.66E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	1.39E-06			
285	5	1.29E-06			
286	5	1.13E-06			
287	5	9.79E-07			
288	5	8.55E-07			
289	5	7.50E-07			
290	5	6.60E-07			
291	5	5.84E-07			
292	5	5.20E-07			
293	5	2.71E-07			
294	5	3.09E-07			
295	5	3.54E-07			
296	5	4.06E-07			
297	5	4.81E-07			
298	5	5.68E-07			
299	5	6.72E-07			
300	5	8.07E-07			
301	5	8.97E-07			
302	5	1.03E-06			
303	5	1.13E-06			
304	5	1.20E-06			
305	5	1.15E-06			
306	5	1.05E-06			
307	5	9.75E-07			
308	5	9.03E-07			
309	5	8.48E-07			
310	5	7.57E-07			
311	5	6.70E-07			
312	5	5.99E-07			
313	5	5.37E-07			
314	5	4.84E-07			
315	5	2.28E-07			
316	5	2.57E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	2.90E-07			
318	5	3.28E-07			
319	5	3.69E-07			
320	5	4.43E-07			
321	5	5.04E-07			
322	5	5.80E-07			
323	5	6.70E-07			
324	5	7.45E-07			
325	5	8.12E-07			
326	5	8.76E-07			
327	5	9.71E-07			
328	5	7.98E-07			
329	5	7.54E-07			
330	5	7.23E-07			
331	5	6.93E-07			
332	5	6.60E-07			
333	5	6.15E-07			
334	5	5.47E-07			
335	5	4.91E-07			
336	5	4.47E-07			
337	5	1.97E-07			
338	5	2.18E-07			
339	5	2.40E-07			
340	5	2.72E-07			
341	5	3.02E-07			
342	5	3.53E-07			
343	5	3.92E-07			
344	5	4.46E-07			
345	5	5.02E-07			
346	5	5.66E-07			
347	5	6.02E-07			
348	5	6.36E-07			
349	5	5.84E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	5.78E-07			
351	5	5.72E-07			
352	5	5.43E-07			
353	5	5.58E-07			
354	5	5.37E-07			
355	5	5.19E-07			
356	5	4.98E-07			
357	5	4.70E-07			
358	5	4.42E-07			
359	5	1.68E-07			
360	5	1.86E-07			
361	5	2.04E-07			
362	5	2.25E-07			
363	5	2.46E-07			
364	5	2.79E-07			
365	5	3.14E-07			
366	5	3.54E-07			
367	5	4.02E-07			
368	5	4.35E-07			
369	5	4.53E-07			
370	5	4.53E-07			
371	5	4.60E-07			
372	5	4.57E-07			
373	5	4.40E-07			
374	5	4.23E-07			
375	5	4.33E-07			
376	5	4.26E-07			
377	5	4.25E-07			
378	5	4.28E-07			
379	5	4.12E-07			
380	5	3.89E-07			
381	5	7.78E-07			
382	5	9.07E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	1.06E-06			
384	5	1.24E-06			
385	5	1.45E-06			
386	5	1.66E-06			
387	5	1.84E-06			
388	5	1.95E-06			
389	5	1.96E-06			
390	5	1.85E-06			
391	5	1.66E-06			
392	5	1.45E-06			
393	5	1.24E-06			
394	5	1.06E-06			
395	5	9.07E-07			
396	5	7.79E-07			
397	5	6.74E-07			
398	5	5.88E-07			
399	5	8.61E-07			
400	5	1.03E-06			
401	5	1.24E-06			
402	5	1.50E-06			
403	5	1.83E-06			
404	5	2.20E-06			
405	5	2.55E-06			
406	5	2.79E-06			
407	5	2.79E-06			
408	5	2.57E-06			
409	5	2.21E-06			
410	5	1.84E-06			
411	5	1.51E-06			
412	5	1.25E-06			
413	5	1.04E-06			
414	5	8.71E-07			
415	5	7.41E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	6.36E-07			
417	5	9.42E-07			
418	5	1.15E-06			
419	5	1.43E-06			
420	5	1.81E-06			
421	5	2.34E-06			
422	5	3.02E-06			
423	5	3.80E-06			
424	5	4.38E-06			
425	5	4.39E-06			
426	5	3.83E-06			
427	5	3.05E-06			
428	5	2.37E-06			
429	5	1.84E-06			
430	5	1.46E-06			
431	5	1.18E-06			
432	5	9.69E-07			
433	5	8.14E-07			
434	5	6.90E-07			
435	5	1.01E-06			
436	5	1.26E-06			
437	5	1.62E-06			
438	5	2.15E-06			
439	5	2.97E-06			
440	5	4.27E-06			
441	5	6.18E-06			
442	5	8.08E-06			
443	5	8.16E-06			
444	5	6.31E-06			
445	5	4.38E-06			
446	5	3.07E-06			
447	5	2.24E-06			
448	5	1.70E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	1.33E-06			
450	5	1.07E-06			
451	5	8.84E-07			
452	5	7.43E-07			
453	5	1.01E-06			
454	5	1.33E-06			
455	5	1.77E-06			
456	5	2.44E-06			
457	5	3.62E-06			
458	5	5.95E-06			
459	5	1.11E-05			
460	5	2.05E-05			
461	5	2.11E-05			
462	5	1.18E-05			
463	5	6.44E-06			
464	5	3.97E-06			
465	5	2.69E-06			
466	5	1.96E-06			
467	5	1.49E-06			
468	5	1.18E-06			
469	5	9.58E-07			
470	5	7.96E-07			
471	5	9.19E-07			
472	5	1.23E-06			
473	5	1.79E-06			
474	5	2.56E-06			
475	5	4.00E-06			
476	5	2.20E-06			
477	5	1.63E-06			
478	5	1.27E-06			
479	5	1.02E-06			
480	5	8.43E-07			
481	5	8.54E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	1.14E-06			
483	5	1.52E-06			
484	5	2.18E-06			
485	5	3.67E-06			
486	5	2.30E-06			
487	5	1.71E-06			
488	5	1.33E-06			
489	5	1.06E-06			
490	5	8.75E-07			
491	5	7.34E-07			
492	5	9.69E-07			
493	5	1.28E-06			
494	5	1.82E-06			
495	5	2.74E-06			
496	5	1.28E-05			
497	5	1.35E-05			
498	5	3.01E-06			
499	5	2.20E-06			
500	5	1.68E-06			
501	5	1.32E-06			
502	5	1.07E-06			
503	5	8.80E-07			
504	5	6.24E-07			
505	5	7.72E-07			
506	5	1.05E-06			
507	5	1.37E-06			
508	5	2.03E-06			
509	5	2.89E-06			
510	5	4.05E-06			
511	5	5.28E-06			
512	5	6.16E-06			
513	5	5.37E-06			
514	5	4.23E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	3.24E-06			
516	5	2.48E-06			
517	5	1.93E-06			
518	5	1.53E-06			
519	5	1.24E-06			
520	5	1.02E-06			
521	5	8.55E-07			
522	5	5.20E-07			
523	5	6.49E-07			
524	5	8.22E-07			
525	5	1.05E-06			
526	5	1.31E-06			
527	5	1.87E-06			
528	5	2.43E-06			
529	5	2.91E-06			
530	5	3.20E-06			
531	5	3.31E-06			
532	5	2.87E-06			
533	5	2.39E-06			
534	5	1.96E-06			
535	5	1.61E-06			
536	5	1.34E-06			
537	5	1.12E-06			
538	5	9.43E-07			
539	5	8.04E-07			
540	5	4.34E-07			
541	5	5.26E-07			
542	5	6.41E-07			
543	5	7.88E-07			
544	5	1.00E-06			
545	5	1.22E-06			
546	5	1.52E-06			
547	5	1.77E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE8

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.99E-06			
549	5	2.01E-06			
550	5	2.05E-06			
551	5	1.81E-06			
552	5	1.55E-06			
553	5	1.33E-06			
554	5	1.14E-06			
555	5	9.81E-07			
556	5	8.49E-07			
557	5	7.39E-07			
558	5	3.63E-07			
559	5	4.30E-07			
560	5	4.98E-07			
561	5	5.98E-07			
562	5	7.00E-07			
563	5	8.33E-07			
564	5	1.02E-06			
565	5	1.15E-06			
566	5	1.33E-06			
567	5	1.39E-06			
568	5	1.40E-06			
569	5	1.26E-06			
570	5	1.14E-06			
571	5	1.07E-06			
572	5	9.74E-07			
573	5	8.53E-07			
574	5	7.53E-07			
575	5	6.68E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.70	**1.1972E-06**	8.4161E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
2	0.77878	1.1972E-06	9.3238E-07	3.46E-04	3.23E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
3	0.86498	1.1972E-06	1.0356E-06	3.46E-04	3.58E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
4	0.96197	1.1972E-06	1.1517E-06	3.46E-04	3.99E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
5	1.0702	1.1972E-06	1.2813E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
6	1.1884	1.1972E-06	1.4228E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
7	1.31219	1.1972E-06	1.571E-06	3.46E-04	5.44E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
8	1.43648	1.1972E-06	1.7198E-06	3.46E-04	5.95E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
9	1.55408	1.1972E-06	1.8606E-06	3.46E-04	6.44E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
10	1.65299	1.1972E-06	1.979E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
11	1.72285	1.1972E-06	2.0627E-06	3.46E-04	7.14E-10	0.25	1.57E-01	2.81E-11	1,000,000	2.81E-05
12	1.75602	1.1972E-06	2.1024E-06	3.46E-04	7.28E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
13	1.74821	1.1972E-06	2.093E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
14	1.70037	1.1972E-06	2.0357E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
15	1.61866	1.1972E-06	1.9379E-06	3.46E-04	6.71E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
16	1.51078	1.1972E-06	1.8088E-06	3.46E-04	6.26E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
17	1.39185	1.1972E-06	1.6664E-06	3.46E-04	5.77E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
18	1.26772	1.1972E-06	1.5178E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
19	1.14496	1.1972E-06	1.3708E-06	3.46E-04	4.75E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
20	1.03241	1.1972E-06	1.236E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
21	0.92919	1.1972E-06	1.1125E-06	3.46E-04	3.85E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
22	0.83557	1.1972E-06	1.0004E-06	3.46E-04	3.46E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
23	0.75414	1.1972E-06	9.0288E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
24	0.84402	1.1972E-06	1.0105E-06	3.46E-04	3.50E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
25	0.94864	1.1972E-06	1.1357E-06	3.46E-04	3.93E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
26	1.06997	1.1972E-06	1.281E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.20917	1.1972E-06	1.4477E-06	3.46E-04	5.01E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
28	1.36715	1.1972E-06	1.6368E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
29	1.53835	1.1972E-06	1.8418E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
30	1.71826	1.1972E-06	2.0572E-06	3.46E-04	7.12E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
31	1.89147	1.1972E-06	2.2645E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
32	2.04163	1.1972E-06	2.4443E-06	3.46E-04	8.46E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
33	2.14874	1.1972E-06	2.5725E-06	3.46E-04	8.91E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
34	2.20268	1.1972E-06	2.6371E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
35	2.19273	1.1972E-06	2.6252E-06	3.46E-04	9.09E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
36	2.12081	1.1972E-06	2.5391E-06	3.46E-04	8.79E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
37	1.98893	1.1972E-06	2.3812E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
38	1.8278	1.1972E-06	2.1883E-06	3.46E-04	7.58E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05
39	1.65529	1.1972E-06	1.9818E-06	3.46E-04	6.86E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
40	1.4795	1.1972E-06	1.7713E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
41	1.31207	1.1972E-06	1.5709E-06	3.46E-04	5.44E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
42	1.1607	1.1972E-06	1.3896E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
43	1.02719	1.1972E-06	1.2298E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
44	0.91665	1.1972E-06	1.0974E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
45	0.80548	1.1972E-06	9.6435E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
46	0.91112	1.1972E-06	1.0908E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
47	1.03741	1.1972E-06	1.242E-06	3.46E-04	4.30E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
48	1.18855	1.1972E-06	1.423E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
49	1.36847	1.1972E-06	1.6384E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
50	1.58016	1.1972E-06	1.8918E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
51	1.8227	1.1972E-06	2.1822E-06	3.46E-04	7.55E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
52	2.08745	1.1972E-06	2.4992E-06	3.46E-04	8.65E-10	0.25	1.57E-01	3.40E-11	1,000,000	3.40E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.35626	1.1972E-06	2.821E-06	3.46E-04	9.77E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
54	2.59487	1.1972E-06	3.1067E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
55	2.77159	1.1972E-06	3.3182E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.51E-11	1,000,000	4.51E-05
56	2.85889	1.1972E-06	3.4228E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
57	2.84054	1.1972E-06	3.4008E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
58	2.72738	1.1972E-06	3.2653E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
59	2.51406	1.1972E-06	3.0099E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
60	2.25916	1.1972E-06	2.7047E-06	3.46E-04	9.36E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
61	1.99672	1.1972E-06	2.3905E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
62	1.73999	1.1972E-06	2.0832E-06	3.46E-04	7.21E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
63	1.50934	1.1972E-06	1.807E-06	3.46E-04	6.26E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
64	1.31079	1.1972E-06	1.5693E-06	3.46E-04	5.43E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
65	1.14388	1.1972E-06	1.3695E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
66	1.00404	1.1972E-06	1.2021E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
67	0.85484	1.1972E-06	1.0234E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
68	0.97735	1.1972E-06	1.1701E-06	3.46E-04	4.05E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
69	1.12777	1.1972E-06	1.3502E-06	3.46E-04	4.67E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
70	1.31402	1.1972E-06	1.5732E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
71	1.54556	1.1972E-06	1.8504E-06	3.46E-04	6.41E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
72	1.83226	1.1972E-06	2.1936E-06	3.46E-04	7.59E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05
73	2.1809	1.1972E-06	2.611E-06	3.46E-04	9.04E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
74	2.58471	1.1972E-06	3.0945E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.21E-11	1,000,000	4.21E-05
75	3.01796	1.1972E-06	3.6132E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.91E-11	1,000,000	4.91E-05
76	3.42603	1.1972E-06	4.1018E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.58E-11	1,000,000	5.58E-05
77	3.73882	1.1972E-06	4.4762E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.09E-11	1,000,000	6.09E-05
78	3.89996	1.1972E-06	4.6692E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.35E-11	1,000,000	6.35E-05
79	3.86286	1.1972E-06	4.6248E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
80	3.64734	1.1972E-06	4.3667E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.94E-11	1,000,000	5.94E-05
81	3.29175	1.1972E-06	3.941E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
82	2.87533	1.1972E-06	3.4424E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
83	2.44755	1.1972E-06	2.9303E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
84	2.06723	1.1972E-06	2.475E-06	3.46E-04	8.57E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
85	1.73535	1.1972E-06	2.0776E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.47959	1.1972E-06	1.7714E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
87	1.26715	1.1972E-06	1.5171E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
88	1.09693	1.1972E-06	1.3133E-06	3.46E-04	4.55E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
89	0.88683	1.1972E-06	1.0617E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
90	1.03917	1.1972E-06	1.2441E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
91	1.21488	1.1972E-06	1.4545E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
92	1.44013	1.1972E-06	1.7242E-06	3.46E-04	5.97E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
93	1.73359	1.1972E-06	2.0755E-06	3.46E-04	7.18E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
94	2.11982	1.1972E-06	2.5379E-06	3.46E-04	8.79E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
95	2.62609	1.1972E-06	3.144E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
96	3.26878	1.1972E-06	3.9135E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
97	4.02166	1.1972E-06	4.8149E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.55E-11	1,000,000	6.55E-05
98	4.77122	1.1972E-06	5.7123E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.77E-11	1,000,000	7.77E-05
99	5.35252	1.1972E-06	6.4082E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.71E-11	1,000,000	8.71E-05
100	5.64693	1.1972E-06	6.7607E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.19E-11	1,000,000	9.19E-05
101	5.58577	1.1972E-06	6.6875E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.09E-11	1,000,000	9.09E-05
102	5.17845	1.1972E-06	6.1998E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.43E-11	1,000,000	8.43E-05
103	4.51914	1.1972E-06	5.4105E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.36E-11	1,000,000	7.36E-05
104	3.75446	1.1972E-06	4.495E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.11E-11	1,000,000	6.11E-05
105	3.05336	1.1972E-06	3.6556E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.97E-11	1,000,000	4.97E-05
106	2.47072	1.1972E-06	2.958E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
107	2.01442	1.1972E-06	2.4117E-06	3.46E-04	8.35E-10	0.25	1.57E-01	3.28E-11	1,000,000	3.28E-05
108	1.667	1.1972E-06	1.9958E-06	3.46E-04	6.91E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
109	1.39979	1.1972E-06	1.6759E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
110	1.19482	1.1972E-06	1.4305E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
111	0.88431	1.1972E-06	1.0587E-06	3.46E-04	3.66E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
112	1.05696	1.1972E-06	1.2654E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
113	1.23553	1.1972E-06	1.4792E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
114	1.50284	1.1972E-06	1.7993E-06	3.46E-04	6.23E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
115	1.90454	1.1972E-06	2.2802E-06	3.46E-04	7.89E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
116	2.42738	1.1972E-06	2.9061E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
117	3.16187	1.1972E-06	3.7855E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
118	4.22673	1.1972E-06	5.0604E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.88E-11	1,000,000	6.88E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	5.66193	1.1972E-06	6.7787E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.22E-11	1,000,000	9.22E-05
120	7.23219	1.1972E-06	8.6586E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
121	8.46184	1.1972E-06	1.0131E-05	3.46E-04	3.51E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
122	9.03651	1.1972E-06	1.0819E-05	3.46E-04	3.75E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
123	8.9253	1.1972E-06	1.0686E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
124	8.08491	1.1972E-06	9.6795E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
125	6.66217	1.1972E-06	7.9762E-06	3.46E-04	2.76E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
126	5.11503	1.1972E-06	6.1239E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.33E-11	1,000,000	8.33E-05
127	3.8689	1.1972E-06	4.632E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.30E-11	1,000,000	6.30E-05
128	2.96629	1.1972E-06	3.5513E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
129	2.32547	1.1972E-06	2.7841E-06	3.46E-04	9.64E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
130	1.87437	1.1972E-06	2.2441E-06	3.46E-04	7.77E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
131	1.54262	1.1972E-06	1.8469E-06	3.46E-04	6.39E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
132	1.29673	1.1972E-06	1.5525E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
133	0.84777	1.1972E-06	1.015E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
134	1.01219	1.1972E-06	1.2118E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
135	1.21776	1.1972E-06	1.4579E-06	3.46E-04	5.05E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
136	1.55835	1.1972E-06	1.8657E-06	3.46E-04	6.46E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
137	2.04927	1.1972E-06	2.4535E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
138	2.71141	1.1972E-06	3.2462E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
139	3.737	1.1972E-06	4.4741E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.08E-11	1,000,000	6.08E-05
140	5.52678	1.1972E-06	6.6169E-06	3.46E-04	2.29E-09	0.25	1.57E-01	9.00E-11	1,000,000	9.00E-05
141	8.70776	1.1972E-06	1.0425E-05	3.46E-04	3.61E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
142	12.95792	1.1972E-06	1.5514E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
143	15.94786	1.1972E-06	1.9093E-05	3.46E-04	6.61E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
144	17.16972	1.1972E-06	2.0556E-05	3.46E-04	7.12E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
145	17.02465	1.1972E-06	2.0383E-05	3.46E-04	7.06E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
146	15.0844	1.1972E-06	1.806E-05	3.46E-04	6.25E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
147	11.13561	1.1972E-06	1.3332E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
148	7.3441	1.1972E-06	8.7926E-06	3.46E-04	3.04E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
149	4.97593	1.1972E-06	5.9574E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.10E-11	1,000,000	8.10E-05
150	3.55188	1.1972E-06	4.2524E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.78E-11	1,000,000	5.78E-05
151	2.66897	1.1972E-06	3.1954E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.09287	1.1972E-06	2.5057E-06	3.46E-04	8.67E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
153	1.69054	1.1972E-06	2.024E-06	3.46E-04	7.01E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
154	1.39994	1.1972E-06	1.6761E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
155	0.74484	1.1972E-06	8.9175E-07	3.46E-04	3.09E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
156	0.90386	1.1972E-06	1.0821E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
157	1.15204	1.1972E-06	1.3793E-06	3.46E-04	4.77E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
158	1.44075	1.1972E-06	1.7249E-06	3.46E-04	5.97E-10	0.25	1.57E-01	2.35E-11	1,000,000	2.35E-05
159	1.95977	1.1972E-06	2.3463E-06	3.46E-04	8.12E-10	0.25	1.57E-01	3.19E-11	1,000,000	3.19E-05
160	2.71197	1.1972E-06	3.2469E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
161	4.01435	1.1972E-06	4.8061E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.54E-11	1,000,000	6.54E-05
162	6.85345	1.1972E-06	8.2052E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
163	15.53188	1.1972E-06	1.8595E-05	3.46E-04	6.44E-09	0.25	1.57E-01	2.53E-10	1,000,000	2.53E-04
164	40.46346	1.1972E-06	4.8444E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.59E-10	1,000,000	6.59E-04
165	49.75305	1.1972E-06	5.9566E-05	3.46E-04	2.06E-08	0.25	1.57E-01	8.10E-10	1,000,000	8.10E-04
166	52.19905	1.1972E-06	6.2495E-05	3.46E-04	2.16E-08	0.25	1.57E-01	8.50E-10	1,000,000	8.50E-04
167	52.19374	1.1972E-06	6.2488E-05	3.46E-04	2.16E-08	0.25	1.57E-01	8.50E-10	1,000,000	8.50E-04
168	48.04069	1.1972E-06	5.7516E-05	3.46E-04	1.99E-08	0.25	1.57E-01	7.82E-10	1,000,000	7.82E-04
169	24.52481	1.1972E-06	2.9362E-05	3.46E-04	1.02E-08	0.25	1.57E-01	3.99E-10	1,000,000	3.99E-04
170	11.05177	1.1972E-06	1.3232E-05	3.46E-04	4.58E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
171	6.32868	1.1972E-06	7.5769E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
172	4.20255	1.1972E-06	5.0314E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.84E-11	1,000,000	6.84E-05
173	3.02767	1.1972E-06	3.6248E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.93E-11	1,000,000	4.93E-05
174	2.30964	1.1972E-06	2.7652E-06	3.46E-04	9.57E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
175	1.83514	1.1972E-06	2.1971E-06	3.46E-04	7.61E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
176	1.50028	1.1972E-06	1.7962E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
177	0.69558	1.1972E-06	8.3277E-07	3.46E-04	2.88E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
178	0.85696	1.1972E-06	1.026E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
179	1.09326	1.1972E-06	1.3089E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
180	1.41475	1.1972E-06	1.6938E-06	3.46E-04	5.86E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
181	1.88975	1.1972E-06	2.2625E-06	3.46E-04	7.83E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
182	2.58669	1.1972E-06	3.0969E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.21E-11	1,000,000	4.21E-05
183	3.86278	1.1972E-06	4.6247E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
184	54.33916	1.1972E-06	6.5057E-05	3.46E-04	2.25E-08	0.25	1.57E-01	8.85E-10	1,000,000	8.85E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	14.50632	1.1972E-06	1.7367E-05	3.46E-04	6.01E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
186	7.43571	1.1972E-06	8.9023E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
187	4.68969	1.1972E-06	5.6147E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.64E-11	1,000,000	7.64E-05
188	3.29413	1.1972E-06	3.9438E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
189	2.47511	1.1972E-06	2.9633E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
190	1.94425	1.1972E-06	2.3277E-06	3.46E-04	8.06E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
191	1.57677	1.1972E-06	1.8878E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
192	0.62449	1.1972E-06	7.4766E-07	3.46E-04	2.59E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
193	0.75542	1.1972E-06	9.0442E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
194	0.95911	1.1972E-06	1.1483E-06	3.46E-04	3.97E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
195	1.22723	1.1972E-06	1.4693E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
196	1.63297	1.1972E-06	1.955E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
197	2.17239	1.1972E-06	2.6009E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
198	3.17012	1.1972E-06	3.7954E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
199	14.11783	1.1972E-06	1.6902E-05	3.46E-04	5.85E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
200	25.73747	1.1972E-06	3.0814E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.19E-10	1,000,000	4.19E-04
201	12.079	1.1972E-06	1.4461E-05	3.46E-04	5.01E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
202	6.99723	1.1972E-06	8.3773E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
203	4.62705	1.1972E-06	5.5397E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
204	3.31586	1.1972E-06	3.9699E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.40E-11	1,000,000	5.40E-05
205	2.51204	1.1972E-06	3.0075E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
206	1.98045	1.1972E-06	2.3711E-06	3.46E-04	8.21E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05
207	1.60956	1.1972E-06	1.927E-06	3.46E-04	6.67E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
208	0.56026	1.1972E-06	6.7076E-07	3.46E-04	2.32E-10	0.25	1.57E-01	9.12E-12	1,000,000	9.12E-06
209	0.67013	1.1972E-06	8.023E-07	3.46E-04	2.78E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
210	0.79261	1.1972E-06	9.4894E-07	3.46E-04	3.28E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
211	1.01035	1.1972E-06	1.2096E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
212	1.286	1.1972E-06	1.5396E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
213	1.73305	1.1972E-06	2.0749E-06	3.46E-04	7.18E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
214	2.44909	1.1972E-06	2.9321E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
215	3.46076	1.1972E-06	4.1433E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.63E-11	1,000,000	5.63E-05
216	5.36309	1.1972E-06	6.4209E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.73E-11	1,000,000	8.73E-05
217	7.21274	1.1972E-06	8.6353E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	11.69359	1.1972E-06	1.4E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
219	10.24539	1.1972E-06	1.2266E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
220	7.61707	1.1972E-06	9.1194E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
221	5.47181	1.1972E-06	6.551E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.91E-11	1,000,000	8.91E-05
222	4.01636	1.1972E-06	4.8085E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.54E-11	1,000,000	6.54E-05
223	3.04753	1.1972E-06	3.6486E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.96E-11	1,000,000	4.96E-05
224	2.38646	1.1972E-06	2.8572E-06	3.46E-04	9.89E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
225	1.91972	1.1972E-06	2.2984E-06	3.46E-04	7.96E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
226	1.58032	1.1972E-06	1.892E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
227	0.49827	1.1972E-06	5.9655E-07	3.46E-04	2.07E-10	0.25	1.57E-01	8.11E-12	1,000,000	8.11E-06
228	0.58278	1.1972E-06	6.9772E-07	3.46E-04	2.42E-10	0.25	1.57E-01	9.49E-12	1,000,000	9.49E-06
229	0.69046	1.1972E-06	8.2664E-07	3.46E-04	2.86E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
230	0.84186	1.1972E-06	1.0079E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
231	1.05007	1.1972E-06	1.2572E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
232	1.30762	1.1972E-06	1.5655E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
233	1.79362	1.1972E-06	2.1474E-06	3.46E-04	7.43E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
234	2.4022	1.1972E-06	2.876E-06	3.46E-04	9.96E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
235	3.21819	1.1972E-06	3.8529E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.24E-11	1,000,000	5.24E-05
236	4.16453	1.1972E-06	4.9859E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.78E-11	1,000,000	6.78E-05
237	5.14098	1.1972E-06	6.155E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.37E-11	1,000,000	8.37E-05
238	5.91499	1.1972E-06	7.0816E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.63E-11	1,000,000	9.63E-05
239	6.4285	1.1972E-06	7.6964E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
240	6.31241	1.1972E-06	7.5574E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
241	5.96076	1.1972E-06	7.1364E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.71E-11	1,000,000	9.71E-05
242	4.83139	1.1972E-06	5.7843E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.87E-11	1,000,000	7.87E-05
243	4.04442	1.1972E-06	4.8421E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.58E-11	1,000,000	6.58E-05
244	3.25378	1.1972E-06	3.8955E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
245	2.62651	1.1972E-06	3.1445E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
246	2.14609	1.1972E-06	2.5694E-06	3.46E-04	8.89E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
247	1.77834	1.1972E-06	2.1291E-06	3.46E-04	7.37E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
248	1.49464	1.1972E-06	1.7894E-06	3.46E-04	6.19E-10	0.25	1.57E-01	2.43E-11	1,000,000	2.43E-05
249	0.44465	1.1972E-06	5.3235E-07	3.46E-04	1.84E-10	0.25	1.57E-01	7.24E-12	1,000,000	7.24E-06
250	0.51055	1.1972E-06	6.1125E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.31E-12	1,000,000	8.31E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.59208	1.1972E-06	7.0886E-07	3.46E-04	2.45E-10	0.25	1.57E-01	9.64E-12	1,000,000	9.64E-06
252	0.71106	1.1972E-06	8.5131E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
253	0.85579	1.1972E-06	1.0246E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
254	1.08377	1.1972E-06	1.2975E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
255	1.34077	1.1972E-06	1.6052E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
256	1.76756	1.1972E-06	2.1162E-06	3.46E-04	7.33E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
257	2.1753	1.1972E-06	2.6043E-06	3.46E-04	9.02E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
258	2.62908	1.1972E-06	3.1476E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
259	3.20512	1.1972E-06	3.8373E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
260	3.76023	1.1972E-06	4.5019E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.12E-11	1,000,000	6.12E-05
261	4.07955	1.1972E-06	4.8842E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
262	4.01413	1.1972E-06	4.8059E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.54E-11	1,000,000	6.54E-05
263	3.70226	1.1972E-06	4.4325E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.03E-11	1,000,000	6.03E-05
264	3.32858	1.1972E-06	3.9851E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
265	3.05408	1.1972E-06	3.6565E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.97E-11	1,000,000	4.97E-05
266	2.60904	1.1972E-06	3.1236E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.25E-11	1,000,000	4.25E-05
267	2.2037	1.1972E-06	2.6383E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
268	1.86962	1.1972E-06	2.2384E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
269	1.59615	1.1972E-06	1.911E-06	3.46E-04	6.62E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
270	1.3726	1.1972E-06	1.6433E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
271	0.38916	1.1972E-06	4.6592E-07	3.46E-04	1.61E-10	0.25	1.57E-01	6.34E-12	1,000,000	6.34E-06
272	0.44031	1.1972E-06	5.2715E-07	3.46E-04	1.82E-10	0.25	1.57E-01	7.17E-12	1,000,000	7.17E-06
273	0.50828	1.1972E-06	6.0853E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.28E-12	1,000,000	8.28E-06
274	0.59188	1.1972E-06	7.0862E-07	3.46E-04	2.45E-10	0.25	1.57E-01	9.64E-12	1,000,000	9.64E-06
275	0.69867	1.1972E-06	8.3647E-07	3.46E-04	2.90E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
276	0.84837	1.1972E-06	1.0157E-06	3.46E-04	3.52E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
277	1.03018	1.1972E-06	1.2334E-06	3.46E-04	4.27E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
278	1.23458	1.1972E-06	1.4781E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
279	1.50798	1.1972E-06	1.8054E-06	3.46E-04	6.25E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
280	1.81164	1.1972E-06	2.169E-06	3.46E-04	7.51E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
281	2.17226	1.1972E-06	2.6007E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
282	2.52	1.1972E-06	3.017E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.10E-11	1,000,000	4.10E-05
283	2.712	1.1972E-06	3.2469E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.50799	1.1972E-06	3.0027E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
285	2.50649	1.1972E-06	3.0009E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
286	2.36616	1.1972E-06	2.8328E-06	3.46E-04	9.81E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
287	2.1834	1.1972E-06	2.614E-06	3.46E-04	9.05E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
288	2.01774	1.1972E-06	2.4157E-06	3.46E-04	8.36E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
289	1.81988	1.1972E-06	2.1788E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
290	1.61424	1.1972E-06	1.9326E-06	3.46E-04	6.69E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
291	1.41781	1.1972E-06	1.6975E-06	3.46E-04	5.88E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
292	1.23753	1.1972E-06	1.4816E-06	3.46E-04	5.13E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
293	0.343	1.1972E-06	4.1065E-07	3.46E-04	1.42E-10	0.25	1.57E-01	5.58E-12	1,000,000	5.58E-06
294	0.38604	1.1972E-06	4.6218E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.29E-12	1,000,000	6.29E-06
295	0.43714	1.1972E-06	5.2336E-07	3.46E-04	1.81E-10	0.25	1.57E-01	7.12E-12	1,000,000	7.12E-06
296	0.49557	1.1972E-06	5.9331E-07	3.46E-04	2.05E-10	0.25	1.57E-01	8.07E-12	1,000,000	8.07E-06
297	0.5802	1.1972E-06	6.9464E-07	3.46E-04	2.40E-10	0.25	1.57E-01	9.45E-12	1,000,000	9.45E-06
298	0.67865	1.1972E-06	8.125E-07	3.46E-04	2.81E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
299	0.80093	1.1972E-06	9.589E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
300	0.96716	1.1972E-06	1.1579E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
301	1.10404	1.1972E-06	1.3218E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
302	1.32061	1.1972E-06	1.5811E-06	3.46E-04	5.47E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
303	1.53635	1.1972E-06	1.8394E-06	3.46E-04	6.37E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
304	1.77613	1.1972E-06	2.1264E-06	3.46E-04	7.36E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
305	1.86768	1.1972E-06	2.2361E-06	3.46E-04	7.74E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
306	1.7893	1.1972E-06	2.1422E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
307	1.74723	1.1972E-06	2.0918E-06	3.46E-04	7.24E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
308	1.66299	1.1972E-06	1.991E-06	3.46E-04	6.89E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
309	1.72011	1.1972E-06	2.0594E-06	3.46E-04	7.13E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
310	1.58564	1.1972E-06	1.8984E-06	3.46E-04	6.57E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
311	1.47459	1.1972E-06	1.7654E-06	3.46E-04	6.11E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
312	1.37438	1.1972E-06	1.6455E-06	3.46E-04	5.70E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
313	1.24718	1.1972E-06	1.4932E-06	3.46E-04	5.17E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
314	1.1337	1.1972E-06	1.3573E-06	3.46E-04	4.70E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
315	0.29713	1.1972E-06	3.5573E-07	3.46E-04	1.23E-10	0.25	1.57E-01	4.84E-12	1,000,000	4.84E-06
316	0.33251	1.1972E-06	3.9809E-07	3.46E-04	1.38E-10	0.25	1.57E-01	5.41E-12	1,000,000	5.41E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.37226	1.1972E-06	4.4568E-07	3.46E-04	1.54E-10	0.25	1.57E-01	6.06E-12	1,000,000	6.06E-06
318	0.41735	1.1972E-06	4.9967E-07	3.46E-04	1.73E-10	0.25	1.57E-01	6.80E-12	1,000,000	6.80E-06
319	0.46725	1.1972E-06	5.5941E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.61E-12	1,000,000	7.61E-06
320	0.55713	1.1972E-06	6.6702E-07	3.46E-04	2.31E-10	0.25	1.57E-01	9.07E-12	1,000,000	9.07E-06
321	0.63522	1.1972E-06	7.6051E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
322	0.73751	1.1972E-06	8.8297E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
323	0.86926	1.1972E-06	1.0407E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
324	0.99872	1.1972E-06	1.1957E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
325	1.13652	1.1972E-06	1.3607E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
326	1.28662	1.1972E-06	1.5404E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
327	1.57448	1.1972E-06	1.885E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
328	1.30294	1.1972E-06	1.5599E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
329	1.27596	1.1972E-06	1.5276E-06	3.46E-04	5.29E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
330	1.26646	1.1972E-06	1.5163E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
331	1.25509	1.1972E-06	1.5026E-06	3.46E-04	5.20E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
332	1.23556	1.1972E-06	1.4793E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
333	1.16676	1.1972E-06	1.3969E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
334	1.13894	1.1972E-06	1.3636E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
335	1.06917	1.1972E-06	1.28E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
336	0.99591	1.1972E-06	1.1923E-06	3.46E-04	4.13E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
337	0.2638	1.1972E-06	3.1583E-07	3.46E-04	1.09E-10	0.25	1.57E-01	4.30E-12	1,000,000	4.30E-06
338	0.2906	1.1972E-06	3.4792E-07	3.46E-04	1.20E-10	0.25	1.57E-01	4.73E-12	1,000,000	4.73E-06
339	0.31807	1.1972E-06	3.808E-07	3.46E-04	1.32E-10	0.25	1.57E-01	5.18E-12	1,000,000	5.18E-06
340	0.35821	1.1972E-06	4.2886E-07	3.46E-04	1.48E-10	0.25	1.57E-01	5.83E-12	1,000,000	5.83E-06
341	0.39676	1.1972E-06	4.7501E-07	3.46E-04	1.64E-10	0.25	1.57E-01	6.46E-12	1,000,000	6.46E-06
342	0.46266	1.1972E-06	5.5391E-07	3.46E-04	1.92E-10	0.25	1.57E-01	7.53E-12	1,000,000	7.53E-06
343	0.51631	1.1972E-06	6.1814E-07	3.46E-04	2.14E-10	0.25	1.57E-01	8.41E-12	1,000,000	8.41E-06
344	0.59255	1.1972E-06	7.0942E-07	3.46E-04	2.46E-10	0.25	1.57E-01	9.65E-12	1,000,000	9.65E-06
345	0.67879	1.1972E-06	8.1267E-07	3.46E-04	2.81E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
346	0.78553	1.1972E-06	9.4046E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
347	0.86597	1.1972E-06	1.0368E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
348	0.95065	1.1972E-06	1.1382E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
349	0.91776	1.1972E-06	1.0988E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	0.93982	1.1972E-06	1.1252E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
351	0.95383	1.1972E-06	1.142E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
352	0.92203	1.1972E-06	1.1039E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
353	0.96092	1.1972E-06	1.1504E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
354	0.938	1.1972E-06	1.123E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
355	0.93405	1.1972E-06	1.1183E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
356	0.92333	1.1972E-06	1.1054E-06	3.46E-04	3.83E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
357	0.88835	1.1972E-06	1.0636E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
358	0.8478	1.1972E-06	1.015E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
359	0.2305	1.1972E-06	2.7596E-07	3.46E-04	9.55E-11	0.25	1.57E-01	3.75E-12	1,000,000	3.75E-06
360	0.25367	1.1972E-06	3.037E-07	3.46E-04	1.05E-10	0.25	1.57E-01	4.13E-12	1,000,000	4.13E-06
361	0.27773	1.1972E-06	3.3251E-07	3.46E-04	1.15E-10	0.25	1.57E-01	4.52E-12	1,000,000	4.52E-06
362	0.30529	1.1972E-06	3.655E-07	3.46E-04	1.27E-10	0.25	1.57E-01	4.97E-12	1,000,000	4.97E-06
363	0.33413	1.1972E-06	4.0003E-07	3.46E-04	1.38E-10	0.25	1.57E-01	5.44E-12	1,000,000	5.44E-06
364	0.37821	1.1972E-06	4.5281E-07	3.46E-04	1.57E-10	0.25	1.57E-01	6.16E-12	1,000,000	6.16E-06
365	0.42762	1.1972E-06	5.1196E-07	3.46E-04	1.77E-10	0.25	1.57E-01	6.96E-12	1,000,000	6.96E-06
366	0.48625	1.1972E-06	5.8216E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.92E-12	1,000,000	7.92E-06
367	0.55977	1.1972E-06	6.7018E-07	3.46E-04	2.32E-10	0.25	1.57E-01	9.11E-12	1,000,000	9.11E-06
368	0.62168	1.1972E-06	7.443E-07	3.46E-04	2.58E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
369	0.66703	1.1972E-06	7.9859E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
370	0.69159	1.1972E-06	8.28E-07	3.46E-04	2.87E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
371	0.72567	1.1972E-06	8.688E-07	3.46E-04	3.01E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
372	0.74072	1.1972E-06	8.8682E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
373	0.72909	1.1972E-06	8.7289E-07	3.46E-04	3.02E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
374	0.71177	1.1972E-06	8.5216E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
375	0.73485	1.1972E-06	8.7979E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
376	0.72738	1.1972E-06	8.7084E-07	3.46E-04	3.01E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
377	0.73179	1.1972E-06	8.7612E-07	3.46E-04	3.03E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
378	0.76274	1.1972E-06	9.1318E-07	3.46E-04	3.16E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
379	0.75244	1.1972E-06	9.0085E-07	3.46E-04	3.12E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
380	0.71261	1.1972E-06	8.5316E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
381	1.01026	1.1972E-06	1.2095E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
382	1.16259	1.1972E-06	1.3919E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.34803	1.1972E-06	1.6139E-06	3.46E-04	5.59E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
384	1.57285	1.1972E-06	1.8831E-06	3.46E-04	6.52E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
385	1.84168	1.1972E-06	2.2049E-06	3.46E-04	7.63E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
386	2.15133	1.1972E-06	2.5756E-06	3.46E-04	8.92E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
387	2.48567	1.1972E-06	2.9759E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
388	2.81581	1.1972E-06	3.3712E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.58E-11	1,000,000	4.58E-05
389	3.09381	1.1972E-06	3.704E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05
390	3.27301	1.1972E-06	3.9186E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.33E-11	1,000,000	5.33E-05
391	3.31911	1.1972E-06	3.9738E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.40E-11	1,000,000	5.40E-05
392	3.22491	1.1972E-06	3.861E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.25E-11	1,000,000	5.25E-05
393	3.00616	1.1972E-06	3.5991E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
394	2.70817	1.1972E-06	3.2423E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
395	2.36897	1.1972E-06	2.8362E-06	3.46E-04	9.82E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
396	2.04171	1.1972E-06	2.4444E-06	3.46E-04	8.46E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
397	1.74946	1.1972E-06	2.0945E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
398	1.49892	1.1972E-06	1.7946E-06	3.46E-04	6.21E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
399	1.08597	1.1972E-06	1.3002E-06	3.46E-04	4.50E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
400	1.26876	1.1972E-06	1.519E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
401	1.50028	1.1972E-06	1.7962E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
402	1.7956	1.1972E-06	2.1498E-06	3.46E-04	7.44E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
403	2.1703	1.1972E-06	2.5984E-06	3.46E-04	8.99E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
404	2.63265	1.1972E-06	3.1519E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.29E-11	1,000,000	4.29E-05
405	3.1733	1.1972E-06	3.7992E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.17E-11	1,000,000	5.17E-05
406	3.74073	1.1972E-06	4.4785E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.09E-11	1,000,000	6.09E-05
407	4.23822	1.1972E-06	5.0741E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.90E-11	1,000,000	6.90E-05
408	4.57044	1.1972E-06	5.4719E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.44E-11	1,000,000	7.44E-05
409	4.65766	1.1972E-06	5.5763E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.58E-11	1,000,000	7.58E-05
410	4.47815	1.1972E-06	5.3614E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.29E-11	1,000,000	7.29E-05
411	4.0851	1.1972E-06	4.8908E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.65E-11	1,000,000	6.65E-05
412	3.55797	1.1972E-06	4.2597E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.79E-11	1,000,000	5.79E-05
413	2.99088	1.1972E-06	3.5808E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
414	2.47921	1.1972E-06	2.9682E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.04E-11	1,000,000	4.04E-05
415	2.05158	1.1972E-06	2.4562E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.70451	1.1972E-06	2.0407E-06	3.46E-04	7.06E-10	0.25	1.57E-01	2.78E-11	1,000,000	2.78E-05
417	1.13137	1.1972E-06	1.3545E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
418	1.35515	1.1972E-06	1.6224E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
419	1.65183	1.1972E-06	1.9776E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
420	2.03298	1.1972E-06	2.434E-06	3.46E-04	8.43E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
421	2.55413	1.1972E-06	3.0579E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
422	3.26732	1.1972E-06	3.9117E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
423	4.20042	1.1972E-06	5.0289E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.84E-11	1,000,000	6.84E-05
424	5.2739	1.1972E-06	6.3141E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.59E-11	1,000,000	8.59E-05
425	6.24638	1.1972E-06	7.4784E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
426	6.89301	1.1972E-06	8.2526E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
427	7.05343	1.1972E-06	8.4446E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
428	6.72463	1.1972E-06	8.051E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
429	5.93538	1.1972E-06	7.106E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
430	4.88435	1.1972E-06	5.8477E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.95E-11	1,000,000	7.95E-05
431	3.86563	1.1972E-06	4.6281E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
432	3.0365	1.1972E-06	3.6354E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.94E-11	1,000,000	4.94E-05
433	2.41912	1.1972E-06	2.8963E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.94E-11	1,000,000	3.94E-05
434	1.95077	1.1972E-06	2.3355E-06	3.46E-04	8.08E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
435	1.11603	1.1972E-06	1.3362E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
436	1.377	1.1972E-06	1.6486E-06	3.46E-04	5.71E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
437	1.75018	1.1972E-06	2.0954E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
438	2.26117	1.1972E-06	2.7072E-06	3.46E-04	9.37E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
439	2.96596	1.1972E-06	3.551E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
440	4.06372	1.1972E-06	4.8652E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.62E-11	1,000,000	6.62E-05
441	5.78783	1.1972E-06	6.9294E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.42E-11	1,000,000	9.42E-05
442	8.16549	1.1972E-06	9.776E-06	3.46E-04	3.38E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
443	10.44239	1.1972E-06	1.2502E-05	3.46E-04	4.33E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
444	11.80614	1.1972E-06	1.4135E-05	3.46E-04	4.89E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
445	12.16219	1.1972E-06	1.4561E-05	3.46E-04	5.04E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
446	11.49547	1.1972E-06	1.3763E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
447	9.65884	1.1972E-06	1.1564E-05	3.46E-04	4.00E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
448	7.18695	1.1972E-06	8.6045E-06	3.46E-04	2.98E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	5.14823	1.1972E-06	6.1636E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.38E-11	1,000,000	8.38E-05
450	3.75935	1.1972E-06	4.5008E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.12E-11	1,000,000	6.12E-05
451	2.82696	1.1972E-06	3.3845E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.60E-11	1,000,000	4.60E-05
452	2.21339	1.1972E-06	2.6499E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
453	1.05986	1.1972E-06	1.2689E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
454	1.33628	1.1972E-06	1.5998E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
455	1.75755	1.1972E-06	2.1042E-06	3.46E-04	7.28E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
456	2.36054	1.1972E-06	2.8261E-06	3.46E-04	9.78E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
457	3.28496	1.1972E-06	3.9329E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.35E-11	1,000,000	5.35E-05
458	4.89821	1.1972E-06	5.8643E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.98E-11	1,000,000	7.98E-05
459	8.28803	1.1972E-06	9.9227E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
460	15.69406	1.1972E-06	1.8789E-05	3.46E-04	6.50E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
461	23.11149	1.1972E-06	2.767E-05	3.46E-04	9.58E-09	0.25	1.57E-01	3.76E-10	1,000,000	3.76E-04
462	26.2904	1.1972E-06	3.1476E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.28E-10	1,000,000	4.28E-04
463	27.14971	1.1972E-06	3.2505E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.42E-10	1,000,000	4.42E-04
464	25.9531	1.1972E-06	3.1072E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.23E-10	1,000,000	4.23E-04
465	20.17156	1.1972E-06	2.415E-05	3.46E-04	8.36E-09	0.25	1.57E-01	3.28E-10	1,000,000	3.28E-04
466	11.80021	1.1972E-06	1.4128E-05	3.46E-04	4.89E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
467	7.0268	1.1972E-06	8.4127E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
468	4.62856	1.1972E-06	5.5415E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.54E-11	1,000,000	7.54E-05
469	3.30182	1.1972E-06	3.9531E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.38E-11	1,000,000	5.38E-05
470	2.49335	1.1972E-06	2.9851E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.06E-11	1,000,000	4.06E-05
471	0.97387	1.1972E-06	1.166E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
472	1.24993	1.1972E-06	1.4965E-06	3.46E-04	5.18E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
473	1.64899	1.1972E-06	1.9742E-06	3.46E-04	6.83E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
474	2.22804	1.1972E-06	2.6675E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
475	3.16976	1.1972E-06	3.7949E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
476	21.0342	1.1972E-06	2.5183E-05	3.46E-04	8.72E-09	0.25	1.57E-01	3.42E-10	1,000,000	3.42E-04
477	9.26756	1.1972E-06	1.1095E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
478	5.52696	1.1972E-06	6.6171E-06	3.46E-04	2.29E-09	0.25	1.57E-01	9.00E-11	1,000,000	9.00E-05
479	3.75036	1.1972E-06	4.4901E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.11E-11	1,000,000	6.11E-05
480	2.7477	1.1972E-06	3.2896E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.47E-11	1,000,000	4.47E-05
481	0.88812	1.1972E-06	1.0633E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.14397	1.1972E-06	1.3696E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
483	1.44939	1.1972E-06	1.7353E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
484	1.93409	1.1972E-06	2.3156E-06	3.46E-04	8.02E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
485	2.85516	1.1972E-06	3.4183E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
486	22.44288	1.1972E-06	2.6869E-05	3.46E-04	9.30E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
487	9.90763	1.1972E-06	1.1862E-05	3.46E-04	4.11E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
488	5.83982	1.1972E-06	6.9916E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.51E-11	1,000,000	9.51E-05
489	3.9468	1.1972E-06	4.7252E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
490	2.88144	1.1972E-06	3.4498E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
491	0.77851	1.1972E-06	9.3206E-07	3.46E-04	3.23E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
492	0.97899	1.1972E-06	1.1721E-06	3.46E-04	4.06E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
493	1.22487	1.1972E-06	1.4665E-06	3.46E-04	5.08E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
494	1.62997	1.1972E-06	1.9515E-06	3.46E-04	6.76E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
495	2.2952	1.1972E-06	2.7479E-06	3.46E-04	9.51E-10	0.25	1.57E-01	3.74E-11	1,000,000	3.74E-05
496	8.4735	1.1972E-06	1.0145E-05	3.46E-04	3.51E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
497	10.85271	1.1972E-06	1.2993E-05	3.46E-04	4.50E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
498	16.97825	1.1972E-06	2.0327E-05	3.46E-04	7.04E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04
499	12.13387	1.1972E-06	1.4527E-05	3.46E-04	5.03E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
500	7.72227	1.1972E-06	9.2454E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
501	5.19726	1.1972E-06	6.2223E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.46E-11	1,000,000	8.46E-05
502	3.72235	1.1972E-06	4.4565E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.06E-11	1,000,000	6.06E-05
503	2.80195	1.1972E-06	3.3546E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.56E-11	1,000,000	4.56E-05
504	0.6812	1.1972E-06	8.1556E-07	3.46E-04	2.82E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
505	0.81249	1.1972E-06	9.7274E-07	3.46E-04	3.37E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
506	1.0458	1.1972E-06	1.2521E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
507	1.3032	1.1972E-06	1.5602E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
508	1.80692	1.1972E-06	2.1633E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
509	2.44573	1.1972E-06	2.9281E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
510	3.35175	1.1972E-06	4.0128E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
511	4.56642	1.1972E-06	5.4671E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.43E-11	1,000,000	7.43E-05
512	6.09373	1.1972E-06	7.2956E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.92E-11	1,000,000	9.92E-05
513	7.1382	1.1972E-06	8.5461E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
514	8.08336	1.1972E-06	9.6777E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.48391	1.1972E-06	1.0157E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
516	8.24233	1.1972E-06	9.868E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
517	6.90522	1.1972E-06	8.2672E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
518	5.37629	1.1972E-06	6.4367E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05
519	4.12932	1.1972E-06	4.9438E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.72E-11	1,000,000	6.72E-05
520	3.20614	1.1972E-06	3.8385E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
521	2.53759	1.1972E-06	3.0381E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
522	0.58808	1.1972E-06	7.0407E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.57E-12	1,000,000	9.57E-06
523	0.71045	1.1972E-06	8.5058E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
524	0.86798	1.1972E-06	1.0392E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
525	1.06743	1.1972E-06	1.278E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
526	1.29469	1.1972E-06	1.55E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
527	1.77691	1.1972E-06	2.1274E-06	3.46E-04	7.36E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
528	2.30267	1.1972E-06	2.7568E-06	3.46E-04	9.54E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
529	2.94151	1.1972E-06	3.5217E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.79E-11	1,000,000	4.79E-05
530	3.68201	1.1972E-06	4.4082E-06	3.46E-04	1.53E-09	0.25	1.57E-01	5.99E-11	1,000,000	5.99E-05
531	4.37207	1.1972E-06	5.2344E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.12E-11	1,000,000	7.12E-05
532	4.84763	1.1972E-06	5.8038E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.89E-11	1,000,000	7.89E-05
533	5.20027	1.1972E-06	6.2259E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.47E-11	1,000,000	8.47E-05
534	4.76507	1.1972E-06	5.7049E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.76E-11	1,000,000	7.76E-05
535	4.3585	1.1972E-06	5.2181E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.10E-11	1,000,000	7.10E-05
536	3.78792	1.1972E-06	4.535E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
537	3.20368	1.1972E-06	3.8356E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
538	2.64591	1.1972E-06	3.1678E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
539	2.19757	1.1972E-06	2.631E-06	3.46E-04	9.11E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
540	0.5091	1.1972E-06	6.0951E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.29E-12	1,000,000	8.29E-06
541	0.60249	1.1972E-06	7.2132E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.81E-12	1,000,000	9.81E-06
542	0.71706	1.1972E-06	8.5849E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
543	0.86167	1.1972E-06	1.0316E-06	3.46E-04	3.57E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
544	1.07347	1.1972E-06	1.2852E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
545	1.29786	1.1972E-06	1.5538E-06	3.46E-04	5.38E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
546	1.62426	1.1972E-06	1.9446E-06	3.46E-04	6.73E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
547	1.97473	1.1972E-06	2.3642E-06	3.46E-04	8.18E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	2.43503	1.1972E-06	2.9153E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.96E-11	1,000,000	3.96E-05
549	2.82169	1.1972E-06	3.3782E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.59E-11	1,000,000	4.59E-05
550	3.23363	1.1972E-06	3.8714E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.26E-11	1,000,000	5.26E-05
551	3.79737	1.1972E-06	4.5463E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.18E-11	1,000,000	6.18E-05
552	3.17606	1.1972E-06	3.8025E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.17E-11	1,000,000	5.17E-05
553	2.91812	1.1972E-06	3.4937E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.75E-11	1,000,000	4.75E-05
554	2.64809	1.1972E-06	3.1704E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
555	2.52856	1.1972E-06	3.0273E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.12E-11	1,000,000	4.12E-05
556	2.17479	1.1972E-06	2.6037E-06	3.46E-04	9.01E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
557	1.86992	1.1972E-06	2.2387E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
558	0.4424	1.1972E-06	5.2966E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.20E-12	1,000,000	7.20E-06
559	0.51541	1.1972E-06	6.1707E-07	3.46E-04	2.14E-10	0.25	1.57E-01	8.39E-12	1,000,000	8.39E-06
560	0.5887	1.1972E-06	7.0481E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.58E-12	1,000,000	9.58E-06
561	0.69656	1.1972E-06	8.3395E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
562	0.8105	1.1972E-06	9.7036E-07	3.46E-04	3.36E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
563	0.965	1.1972E-06	1.1553E-06	3.46E-04	4.00E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
564	1.19113	1.1972E-06	1.4261E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
565	1.39763	1.1972E-06	1.6733E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
566	1.69689	1.1972E-06	2.0316E-06	3.46E-04	7.03E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
567	1.94942	1.1972E-06	2.3339E-06	3.46E-04	8.08E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
568	2.21599	1.1972E-06	2.6531E-06	3.46E-04	9.18E-10	0.25	1.57E-01	3.61E-11	1,000,000	3.61E-05
569	2.1356	1.1972E-06	2.5568E-06	3.46E-04	8.85E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
570	2.05188	1.1972E-06	2.4566E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
571	2.03926	1.1972E-06	2.4415E-06	3.46E-04	8.45E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
572	2.01366	1.1972E-06	2.4108E-06	3.46E-04	8.35E-10	0.25	1.57E-01	3.28E-11	1,000,000	3.28E-05
573	1.85889	1.1972E-06	2.2255E-06	3.46E-04	7.70E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
574	1.71294	1.1972E-06	2.0508E-06	3.46E-04	7.10E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
575	1.57501	1.1972E-06	1.8857E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.1972E-06	8.4161E-07	1.05E-03	8.80E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.8E-04
2	1.1972E-06	9.3238E-07	1.05E-03	9.75E-10	2.00	1.57E-01	3.06E-10	1,000,000	3.06E-04
3	1.1972E-06	1.0356E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.40E-10	1,000,000	3.40E-04
4	1.1972E-06	1.1517E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
5	1.1972E-06	1.2813E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
6	1.1972E-06	1.4228E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
7	1.1972E-06	1.571E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
8	1.1972E-06	1.7198E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.65E-10	1,000,000	5.65E-04
9	1.1972E-06	1.8606E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.11E-10	1,000,000	6.11E-04
10	1.1972E-06	1.979E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
11	1.1972E-06	2.0627E-06	1.05E-03	2.16E-09	2.00	1.57E-01	6.78E-10	1,000,000	6.78E-04
12	1.1972E-06	2.1024E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.91E-10	1,000,000	6.91E-04
13	1.1972E-06	2.093E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
14	1.1972E-06	2.0357E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
15	1.1972E-06	1.9379E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.37E-10	1,000,000	6.37E-04
16	1.1972E-06	1.8088E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.94E-10	1,000,000	5.94E-04
17	1.1972E-06	1.6664E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.47E-10	1,000,000	5.47E-04
18	1.1972E-06	1.5178E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
19	1.1972E-06	1.3708E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
20	1.1972E-06	1.236E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
21	1.1972E-06	1.1125E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.65E-10	1,000,000	3.65E-04
22	1.1972E-06	1.0004E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
23	1.1972E-06	9.0288E-07	1.05E-03	9.44E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
24	1.1972E-06	1.0105E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
25	1.1972E-06	1.1357E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04
26	1.1972E-06	1.281E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.1972E-06	1.4477E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.76E-10	1,000,000	4.76E-04
28	1.1972E-06	1.6368E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
29	1.1972E-06	1.8418E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
30	1.1972E-06	2.0572E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
31	1.1972E-06	2.2645E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
32	1.1972E-06	2.4443E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.03E-10	1,000,000	8.03E-04
33	1.1972E-06	2.5725E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
34	1.1972E-06	2.6371E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
35	1.1972E-06	2.6252E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.62E-10	1,000,000	8.62E-04
36	1.1972E-06	2.5391E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.34E-10	1,000,000	8.34E-04
37	1.1972E-06	2.3812E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
38	1.1972E-06	2.1883E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.19E-10	1,000,000	7.19E-04
39	1.1972E-06	1.9818E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.51E-10	1,000,000	6.51E-04
40	1.1972E-06	1.7713E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.82E-10	1,000,000	5.82E-04
41	1.1972E-06	1.5709E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
42	1.1972E-06	1.3896E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
43	1.1972E-06	1.2298E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
44	1.1972E-06	1.0974E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04
45	1.1972E-06	9.6435E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
46	1.1972E-06	1.0908E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
47	1.1972E-06	1.242E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.08E-10	1,000,000	4.08E-04
48	1.1972E-06	1.423E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
49	1.1972E-06	1.6384E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
50	1.1972E-06	1.8918E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
51	1.1972E-06	2.1822E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.17E-10	1,000,000	7.17E-04
52	1.1972E-06	2.4992E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.21E-10	1,000,000	8.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.1972E-06	2.821E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.27E-10	1,000,000	9.27E-04
54	1.1972E-06	3.1067E-06	1.05E-03	3.25E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
55	1.1972E-06	3.3182E-06	1.05E-03	3.47E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
56	1.1972E-06	3.4228E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
57	1.1972E-06	3.4008E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
58	1.1972E-06	3.2653E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
59	1.1972E-06	3.0099E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.89E-10	1,000,000	9.89E-04
60	1.1972E-06	2.7047E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.88E-10	1,000,000	8.88E-04
61	1.1972E-06	2.3905E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.85E-10	1,000,000	7.85E-04
62	1.1972E-06	2.0832E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.84E-10	1,000,000	6.84E-04
63	1.1972E-06	1.807E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.94E-10	1,000,000	5.94E-04
64	1.1972E-06	1.5693E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
65	1.1972E-06	1.3695E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
66	1.1972E-06	1.2021E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
67	1.1972E-06	1.0234E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
68	1.1972E-06	1.1701E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.84E-10	1,000,000	3.84E-04
69	1.1972E-06	1.3502E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
70	1.1972E-06	1.5732E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
71	1.1972E-06	1.8504E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.08E-10	1,000,000	6.08E-04
72	1.1972E-06	2.1936E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.21E-10	1,000,000	7.21E-04
73	1.1972E-06	2.611E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.58E-10	1,000,000	8.58E-04
74	1.1972E-06	3.0945E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
75	1.1972E-06	3.6132E-06	1.05E-03	3.78E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
76	1.1972E-06	4.1018E-06	1.05E-03	4.29E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
77	1.1972E-06	4.4762E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
78	1.1972E-06	4.6692E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
79	1.1972E-06	4.6248E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
80	1.1972E-06	4.3667E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
81	1.1972E-06	3.941E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
82	1.1972E-06	3.4424E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
83	1.1972E-06	2.9303E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.63E-10	1,000,000	9.63E-04
84	1.1972E-06	2.475E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.13E-10	1,000,000	8.13E-04
85	1.1972E-06	2.0776E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.1972E-06	1.7714E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.82E-10	1,000,000	5.82E-04
87	1.1972E-06	1.5171E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
88	1.1972E-06	1.3133E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.31E-10	1,000,000	4.31E-04
89	1.1972E-06	1.0617E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
90	1.1972E-06	1.2441E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
91	1.1972E-06	1.4545E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.78E-10	1,000,000	4.78E-04
92	1.1972E-06	1.7242E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.66E-10	1,000,000	5.66E-04
93	1.1972E-06	2.0755E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
94	1.1972E-06	2.5379E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.34E-10	1,000,000	8.34E-04
95	1.1972E-06	3.144E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
96	1.1972E-06	3.9135E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
97	1.1972E-06	4.8149E-06	1.05E-03	5.03E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
98	1.1972E-06	5.7123E-06	1.05E-03	5.97E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
99	1.1972E-06	6.4082E-06	1.05E-03	6.70E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
100	1.1972E-06	6.7607E-06	1.05E-03	7.07E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
101	1.1972E-06	6.6875E-06	1.05E-03	6.99E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
102	1.1972E-06	6.1998E-06	1.05E-03	6.48E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
103	1.1972E-06	5.4105E-06	1.05E-03	5.66E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
104	1.1972E-06	4.495E-06	1.05E-03	4.70E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
105	1.1972E-06	3.6556E-06	1.05E-03	3.82E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
106	1.1972E-06	2.958E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.72E-10	1,000,000	9.72E-04
107	1.1972E-06	2.4117E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.92E-10	1,000,000	7.92E-04
108	1.1972E-06	1.9958E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.56E-10	1,000,000	6.56E-04
109	1.1972E-06	1.6759E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
110	1.1972E-06	1.4305E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
111	1.1972E-06	1.0587E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.48E-10	1,000,000	3.48E-04
112	1.1972E-06	1.2654E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.16E-10	1,000,000	4.16E-04
113	1.1972E-06	1.4792E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
114	1.1972E-06	1.7993E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
115	1.1972E-06	2.2802E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.49E-10	1,000,000	7.49E-04
116	1.1972E-06	2.9061E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.55E-10	1,000,000	9.55E-04
117	1.1972E-06	3.7855E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
118	1.1972E-06	5.0604E-06	1.05E-03	5.29E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.1972E-06	6.7787E-06	1.05E-03	7.09E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
120	1.1972E-06	8.6586E-06	1.05E-03	9.05E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
121	1.1972E-06	1.0131E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.33E-09	1,000,000	3.33E-03
122	1.1972E-06	1.0819E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
123	1.1972E-06	1.0686E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
124	1.1972E-06	9.6795E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
125	1.1972E-06	7.9762E-06	1.05E-03	8.34E-09	2.00	1.57E-01	2.62E-09	1,000,000	2.62E-03
126	1.1972E-06	6.1239E-06	1.05E-03	6.40E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
127	1.1972E-06	4.632E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
128	1.1972E-06	3.5513E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
129	1.1972E-06	2.7841E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.15E-10	1,000,000	9.15E-04
130	1.1972E-06	2.2441E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.37E-10	1,000,000	7.37E-04
131	1.1972E-06	1.8469E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.07E-10	1,000,000	6.07E-04
132	1.1972E-06	1.5525E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
133	1.1972E-06	1.015E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
134	1.1972E-06	1.2118E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.98E-10	1,000,000	3.98E-04
135	1.1972E-06	1.4579E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.79E-10	1,000,000	4.79E-04
136	1.1972E-06	1.8657E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.13E-10	1,000,000	6.13E-04
137	1.1972E-06	2.4535E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
138	1.1972E-06	3.2462E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
139	1.1972E-06	4.4741E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
140	1.1972E-06	6.6169E-06	1.05E-03	6.92E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
141	1.1972E-06	1.0425E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.42E-09	1,000,000	3.42E-03
142	1.1972E-06	1.5514E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
143	1.1972E-06	1.9093E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.27E-09	1,000,000	6.27E-03
144	1.1972E-06	2.0556E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.75E-09	1,000,000	6.75E-03
145	1.1972E-06	2.0383E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.70E-09	1,000,000	6.70E-03
146	1.1972E-06	1.806E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.93E-09	1,000,000	5.93E-03
147	1.1972E-06	1.3332E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03
148	1.1972E-06	8.7926E-06	1.05E-03	9.19E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
149	1.1972E-06	5.9574E-06	1.05E-03	6.23E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
150	1.1972E-06	4.2524E-06	1.05E-03	4.44E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
151	1.1972E-06	3.1954E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.1972E-06	2.5057E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.23E-10	1,000,000	8.23E-04
153	1.1972E-06	2.024E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.65E-10	1,000,000	6.65E-04
154	1.1972E-06	1.6761E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
155	1.1972E-06	8.9175E-07	1.05E-03	9.32E-10	2.00	1.57E-01	2.93E-10	1,000,000	2.93E-04
156	1.1972E-06	1.0821E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
157	1.1972E-06	1.3793E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.53E-10	1,000,000	4.53E-04
158	1.1972E-06	1.7249E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.67E-10	1,000,000	5.67E-04
159	1.1972E-06	2.3463E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.71E-10	1,000,000	7.71E-04
160	1.1972E-06	3.2469E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
161	1.1972E-06	4.8061E-06	1.05E-03	5.02E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
162	1.1972E-06	8.2052E-06	1.05E-03	8.58E-09	2.00	1.57E-01	2.70E-09	1,000,000	2.70E-03
163	1.1972E-06	1.8595E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.11E-09	1,000,000	6.11E-03
164	1.1972E-06	4.8444E-05	1.05E-03	5.06E-08	2.00	1.57E-01	1.59E-08	1,000,000	1.59E-02
165	1.1972E-06	5.9566E-05	1.05E-03	6.23E-08	2.00	1.57E-01	1.96E-08	1,000,000	1.96E-02
166	1.1972E-06	6.2495E-05	1.05E-03	6.53E-08	2.00	1.57E-01	2.05E-08	1,000,000	2.05E-02
167	1.1972E-06	6.2488E-05	1.05E-03	6.53E-08	2.00	1.57E-01	2.05E-08	1,000,000	2.05E-02
168	1.1972E-06	5.7516E-05	1.05E-03	6.01E-08	2.00	1.57E-01	1.89E-08	1,000,000	1.89E-02
169	1.1972E-06	2.9362E-05	1.05E-03	3.07E-08	2.00	1.57E-01	9.65E-09	1,000,000	9.65E-03
170	1.1972E-06	1.3232E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.35E-09	1,000,000	4.35E-03
171	1.1972E-06	7.5769E-06	1.05E-03	7.92E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
172	1.1972E-06	5.0314E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
173	1.1972E-06	3.6248E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
174	1.1972E-06	2.7652E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.08E-10	1,000,000	9.08E-04
175	1.1972E-06	2.1971E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
176	1.1972E-06	1.7962E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
177	1.1972E-06	8.3277E-07	1.05E-03	8.70E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
178	1.1972E-06	1.026E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
179	1.1972E-06	1.3089E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
180	1.1972E-06	1.6938E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.56E-10	1,000,000	5.56E-04
181	1.1972E-06	2.2625E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.43E-10	1,000,000	7.43E-04
182	1.1972E-06	3.0969E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
183	1.1972E-06	4.6247E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
184	1.1972E-06	6.5057E-05	1.05E-03	6.80E-08	2.00	1.57E-01	2.14E-08	1,000,000	2.14E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.1972E-06	1.7367E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.71E-09	1,000,000	5.71E-03
186	1.1972E-06	8.9023E-06	1.05E-03	9.30E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
187	1.1972E-06	5.6147E-06	1.05E-03	5.87E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.84E-03
188	1.1972E-06	3.9438E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
189	1.1972E-06	2.9633E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
190	1.1972E-06	2.3277E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.65E-10	1,000,000	7.65E-04
191	1.1972E-06	1.8878E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.20E-10	1,000,000	6.20E-04
192	1.1972E-06	7.4766E-07	1.05E-03	7.81E-10	2.00	1.57E-01	2.46E-10	1,000,000	2.46E-04
193	1.1972E-06	9.0442E-07	1.05E-03	9.45E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
194	1.1972E-06	1.1483E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.77E-10	1,000,000	3.77E-04
195	1.1972E-06	1.4693E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
196	1.1972E-06	1.955E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
197	1.1972E-06	2.6009E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
198	1.1972E-06	3.7954E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
199	1.1972E-06	1.6902E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.55E-09	1,000,000	5.55E-03
200	1.1972E-06	3.0814E-05	1.05E-03	3.22E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
201	1.1972E-06	1.4461E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.75E-09	1,000,000	4.75E-03
202	1.1972E-06	8.3773E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
203	1.1972E-06	5.5397E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
204	1.1972E-06	3.9699E-06	1.05E-03	4.15E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
205	1.1972E-06	3.0075E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.88E-10	1,000,000	9.88E-04
206	1.1972E-06	2.3711E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.79E-10	1,000,000	7.79E-04
207	1.1972E-06	1.927E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.33E-10	1,000,000	6.33E-04
208	1.1972E-06	6.7076E-07	1.05E-03	7.01E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
209	1.1972E-06	8.023E-07	1.05E-03	8.39E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
210	1.1972E-06	9.4894E-07	1.05E-03	9.92E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
211	1.1972E-06	1.2096E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
212	1.1972E-06	1.5396E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
213	1.1972E-06	2.0749E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
214	1.1972E-06	2.9321E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.63E-10	1,000,000	9.63E-04
215	1.1972E-06	4.1433E-06	1.05E-03	4.33E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
216	1.1972E-06	6.4209E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
217	1.1972E-06	8.6353E-06	1.05E-03	9.03E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.1972E-06	1.4E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
219	1.1972E-06	1.2266E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.03E-09	1,000,000	4.03E-03
220	1.1972E-06	9.1194E-06	1.05E-03	9.53E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
221	1.1972E-06	6.551E-06	1.05E-03	6.85E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
222	1.1972E-06	4.8085E-06	1.05E-03	5.03E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
223	1.1972E-06	3.6486E-06	1.05E-03	3.81E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
224	1.1972E-06	2.8572E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.39E-10	1,000,000	9.39E-04
225	1.1972E-06	2.2984E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.55E-10	1,000,000	7.55E-04
226	1.1972E-06	1.892E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.22E-10	1,000,000	6.22E-04
227	1.1972E-06	5.9655E-07	1.05E-03	6.24E-10	2.00	1.57E-01	1.96E-10	1,000,000	1.96E-04
228	1.1972E-06	6.9772E-07	1.05E-03	7.29E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
229	1.1972E-06	8.2664E-07	1.05E-03	8.64E-10	2.00	1.57E-01	2.72E-10	1,000,000	2.72E-04
230	1.1972E-06	1.0079E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
231	1.1972E-06	1.2572E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
232	1.1972E-06	1.5655E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
233	1.1972E-06	2.1474E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.05E-10	1,000,000	7.05E-04
234	1.1972E-06	2.876E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.45E-10	1,000,000	9.45E-04
235	1.1972E-06	3.8529E-06	1.05E-03	4.03E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
236	1.1972E-06	4.9859E-06	1.05E-03	5.21E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
237	1.1972E-06	6.155E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
238	1.1972E-06	7.0816E-06	1.05E-03	7.40E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
239	1.1972E-06	7.6964E-06	1.05E-03	8.04E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
240	1.1972E-06	7.5574E-06	1.05E-03	7.90E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
241	1.1972E-06	7.1364E-06	1.05E-03	7.46E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
242	1.1972E-06	5.7843E-06	1.05E-03	6.05E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
243	1.1972E-06	4.8421E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
244	1.1972E-06	3.8955E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
245	1.1972E-06	3.1445E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
246	1.1972E-06	2.5694E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.44E-10	1,000,000	8.44E-04
247	1.1972E-06	2.1291E-06	1.05E-03	2.23E-09	2.00	1.57E-01	6.99E-10	1,000,000	6.99E-04
248	1.1972E-06	1.7894E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.88E-10	1,000,000	5.88E-04
249	1.1972E-06	5.3235E-07	1.05E-03	5.56E-10	2.00	1.57E-01	1.75E-10	1,000,000	1.75E-04
250	1.1972E-06	6.1125E-07	1.05E-03	6.39E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.1972E-06	7.0886E-07	1.05E-03	7.41E-10	2.00	1.57E-01	2.33E-10	1,000,000	2.33E-04
252	1.1972E-06	8.5131E-07	1.05E-03	8.90E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
253	1.1972E-06	1.0246E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
254	1.1972E-06	1.2975E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
255	1.1972E-06	1.6052E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.27E-10	1,000,000	5.27E-04
256	1.1972E-06	2.1162E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.95E-10	1,000,000	6.95E-04
257	1.1972E-06	2.6043E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.56E-10	1,000,000	8.56E-04
258	1.1972E-06	3.1476E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
259	1.1972E-06	3.8373E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
260	1.1972E-06	4.5019E-06	1.05E-03	4.71E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
261	1.1972E-06	4.8842E-06	1.05E-03	5.10E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
262	1.1972E-06	4.8059E-06	1.05E-03	5.02E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
263	1.1972E-06	4.4325E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
264	1.1972E-06	3.9851E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
265	1.1972E-06	3.6565E-06	1.05E-03	3.82E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
266	1.1972E-06	3.1236E-06	1.05E-03	3.26E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
267	1.1972E-06	2.6383E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.67E-10	1,000,000	8.67E-04
268	1.1972E-06	2.2384E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
269	1.1972E-06	1.911E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.28E-10	1,000,000	6.28E-04
270	1.1972E-06	1.6433E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
271	1.1972E-06	4.6592E-07	1.05E-03	4.87E-10	2.00	1.57E-01	1.53E-10	1,000,000	1.53E-04
272	1.1972E-06	5.2715E-07	1.05E-03	5.51E-10	2.00	1.57E-01	1.73E-10	1,000,000	1.73E-04
273	1.1972E-06	6.0853E-07	1.05E-03	6.36E-10	2.00	1.57E-01	2.00E-10	1,000,000	2.00E-04
274	1.1972E-06	7.0862E-07	1.05E-03	7.41E-10	2.00	1.57E-01	2.33E-10	1,000,000	2.33E-04
275	1.1972E-06	8.3647E-07	1.05E-03	8.74E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
276	1.1972E-06	1.0157E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.34E-10	1,000,000	3.34E-04
277	1.1972E-06	1.2334E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.05E-10	1,000,000	4.05E-04
278	1.1972E-06	1.4781E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
279	1.1972E-06	1.8054E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.93E-10	1,000,000	5.93E-04
280	1.1972E-06	2.169E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.12E-10	1,000,000	7.12E-04
281	1.1972E-06	2.6007E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
282	1.1972E-06	3.017E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.91E-10	1,000,000	9.91E-04
283	1.1972E-06	3.2469E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.1972E-06	3.0027E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.86E-10	1,000,000	9.86E-04
285	1.1972E-06	3.0009E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.86E-10	1,000,000	9.86E-04
286	1.1972E-06	2.8328E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.31E-10	1,000,000	9.31E-04
287	1.1972E-06	2.614E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.59E-10	1,000,000	8.59E-04
288	1.1972E-06	2.4157E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.94E-10	1,000,000	7.94E-04
289	1.1972E-06	2.1788E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.16E-10	1,000,000	7.16E-04
290	1.1972E-06	1.9326E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04
291	1.1972E-06	1.6975E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.58E-10	1,000,000	5.58E-04
292	1.1972E-06	1.4816E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.87E-10	1,000,000	4.87E-04
293	1.1972E-06	4.1065E-07	1.05E-03	4.29E-10	2.00	1.57E-01	1.35E-10	1,000,000	1.35E-04
294	1.1972E-06	4.6218E-07	1.05E-03	4.83E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
295	1.1972E-06	5.2336E-07	1.05E-03	5.47E-10	2.00	1.57E-01	1.72E-10	1,000,000	1.72E-04
296	1.1972E-06	5.9331E-07	1.05E-03	6.20E-10	2.00	1.57E-01	1.95E-10	1,000,000	1.95E-04
297	1.1972E-06	6.9464E-07	1.05E-03	7.26E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
298	1.1972E-06	8.125E-07	1.05E-03	8.49E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
299	1.1972E-06	9.589E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
300	1.1972E-06	1.1579E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
301	1.1972E-06	1.3218E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.34E-10	1,000,000	4.34E-04
302	1.1972E-06	1.5811E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.19E-10	1,000,000	5.19E-04
303	1.1972E-06	1.8394E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.04E-10	1,000,000	6.04E-04
304	1.1972E-06	2.1264E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.99E-10	1,000,000	6.99E-04
305	1.1972E-06	2.2361E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
306	1.1972E-06	2.1422E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
307	1.1972E-06	2.0918E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
308	1.1972E-06	1.991E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.54E-10	1,000,000	6.54E-04
309	1.1972E-06	2.0594E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
310	1.1972E-06	1.8984E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.24E-10	1,000,000	6.24E-04
311	1.1972E-06	1.7654E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.80E-10	1,000,000	5.80E-04
312	1.1972E-06	1.6455E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.41E-10	1,000,000	5.41E-04
313	1.1972E-06	1.4932E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.90E-10	1,000,000	4.90E-04
314	1.1972E-06	1.3573E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.46E-10	1,000,000	4.46E-04
315	1.1972E-06	3.5573E-07	1.05E-03	3.72E-10	2.00	1.57E-01	1.17E-10	1,000,000	1.17E-04
316	1.1972E-06	3.9809E-07	1.05E-03	4.16E-10	2.00	1.57E-01	1.31E-10	1,000,000	1.31E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.1972E-06	4.4568E-07	1.05E-03	4.66E-10	2.00	1.57E-01	1.46E-10	1,000,000	1.46E-04
318	1.1972E-06	4.9967E-07	1.05E-03	5.22E-10	2.00	1.57E-01	1.64E-10	1,000,000	1.64E-04
319	1.1972E-06	5.5941E-07	1.05E-03	5.85E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
320	1.1972E-06	6.6702E-07	1.05E-03	6.97E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
321	1.1972E-06	7.6051E-07	1.05E-03	7.95E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04
322	1.1972E-06	8.8297E-07	1.05E-03	9.23E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
323	1.1972E-06	1.0407E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
324	1.1972E-06	1.1957E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
325	1.1972E-06	1.3607E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
326	1.1972E-06	1.5404E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
327	1.1972E-06	1.885E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
328	1.1972E-06	1.5599E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
329	1.1972E-06	1.5276E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.02E-10	1,000,000	5.02E-04
330	1.1972E-06	1.5163E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
331	1.1972E-06	1.5026E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04
332	1.1972E-06	1.4793E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
333	1.1972E-06	1.3969E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.59E-10	1,000,000	4.59E-04
334	1.1972E-06	1.3636E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.48E-10	1,000,000	4.48E-04
335	1.1972E-06	1.28E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.20E-10	1,000,000	4.20E-04
336	1.1972E-06	1.1923E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.92E-10	1,000,000	3.92E-04
337	1.1972E-06	3.1583E-07	1.05E-03	3.30E-10	2.00	1.57E-01	1.04E-10	1,000,000	1.04E-04
338	1.1972E-06	3.4792E-07	1.05E-03	3.64E-10	2.00	1.57E-01	1.14E-10	1,000,000	1.14E-04
339	1.1972E-06	3.808E-07	1.05E-03	3.98E-10	2.00	1.57E-01	1.25E-10	1,000,000	1.25E-04
340	1.1972E-06	4.2886E-07	1.05E-03	4.48E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
341	1.1972E-06	4.7501E-07	1.05E-03	4.96E-10	2.00	1.57E-01	1.56E-10	1,000,000	1.56E-04
342	1.1972E-06	5.5391E-07	1.05E-03	5.79E-10	2.00	1.57E-01	1.82E-10	1,000,000	1.82E-04
343	1.1972E-06	6.1814E-07	1.05E-03	6.46E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
344	1.1972E-06	7.0942E-07	1.05E-03	7.41E-10	2.00	1.57E-01	2.33E-10	1,000,000	2.33E-04
345	1.1972E-06	8.1267E-07	1.05E-03	8.49E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
346	1.1972E-06	9.4046E-07	1.05E-03	9.83E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
347	1.1972E-06	1.0368E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
348	1.1972E-06	1.1382E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
349	1.1972E-06	1.0988E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.1972E-06	1.1252E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
351	1.1972E-06	1.142E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
352	1.1972E-06	1.1039E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
353	1.1972E-06	1.1504E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
354	1.1972E-06	1.123E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
355	1.1972E-06	1.1183E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
356	1.1972E-06	1.1054E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
357	1.1972E-06	1.0636E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
358	1.1972E-06	1.015E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
359	1.1972E-06	2.7596E-07	1.05E-03	2.88E-10	2.00	1.57E-01	9.07E-11	1,000,000	9.07E-05
360	1.1972E-06	3.037E-07	1.05E-03	3.17E-10	2.00	1.57E-01	9.98E-11	1,000,000	9.98E-05
361	1.1972E-06	3.3251E-07	1.05E-03	3.48E-10	2.00	1.57E-01	1.09E-10	1,000,000	1.09E-04
362	1.1972E-06	3.655E-07	1.05E-03	3.82E-10	2.00	1.57E-01	1.20E-10	1,000,000	1.20E-04
363	1.1972E-06	4.0003E-07	1.05E-03	4.18E-10	2.00	1.57E-01	1.31E-10	1,000,000	1.31E-04
364	1.1972E-06	4.5281E-07	1.05E-03	4.73E-10	2.00	1.57E-01	1.49E-10	1,000,000	1.49E-04
365	1.1972E-06	5.1196E-07	1.05E-03	5.35E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
366	1.1972E-06	5.8216E-07	1.05E-03	6.08E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04
367	1.1972E-06	6.7018E-07	1.05E-03	7.00E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
368	1.1972E-06	7.443E-07	1.05E-03	7.78E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04
369	1.1972E-06	7.9859E-07	1.05E-03	8.35E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
370	1.1972E-06	8.28E-07	1.05E-03	8.65E-10	2.00	1.57E-01	2.72E-10	1,000,000	2.72E-04
371	1.1972E-06	8.688E-07	1.05E-03	9.08E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
372	1.1972E-06	8.8682E-07	1.05E-03	9.27E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
373	1.1972E-06	8.7289E-07	1.05E-03	9.12E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
374	1.1972E-06	8.5216E-07	1.05E-03	8.91E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
375	1.1972E-06	8.7979E-07	1.05E-03	9.20E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
376	1.1972E-06	8.7084E-07	1.05E-03	9.10E-10	2.00	1.57E-01	2.86E-10	1,000,000	2.86E-04
377	1.1972E-06	8.7612E-07	1.05E-03	9.16E-10	2.00	1.57E-01	2.88E-10	1,000,000	2.88E-04
378	1.1972E-06	9.1318E-07	1.05E-03	9.54E-10	2.00	1.57E-01	3.00E-10	1,000,000	3.00E-04
379	1.1972E-06	9.0085E-07	1.05E-03	9.42E-10	2.00	1.57E-01	2.96E-10	1,000,000	2.96E-04
380	1.1972E-06	8.5316E-07	1.05E-03	8.92E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
381	1.1972E-06	1.2095E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
382	1.1972E-06	1.3919E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.1972E-06	1.6139E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.30E-10	1,000,000	5.30E-04
384	1.1972E-06	1.8831E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
385	1.1972E-06	2.2049E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.24E-10	1,000,000	7.24E-04
386	1.1972E-06	2.5756E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.46E-10	1,000,000	8.46E-04
387	1.1972E-06	2.9759E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.78E-10	1,000,000	9.78E-04
388	1.1972E-06	3.3712E-06	1.05E-03	3.52E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
389	1.1972E-06	3.704E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
390	1.1972E-06	3.9186E-06	1.05E-03	4.10E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
391	1.1972E-06	3.9738E-06	1.05E-03	4.15E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
392	1.1972E-06	3.861E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
393	1.1972E-06	3.5991E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
394	1.1972E-06	3.2423E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
395	1.1972E-06	2.8362E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.32E-10	1,000,000	9.32E-04
396	1.1972E-06	2.4444E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.03E-10	1,000,000	8.03E-04
397	1.1972E-06	2.0945E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
398	1.1972E-06	1.7946E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
399	1.1972E-06	1.3002E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
400	1.1972E-06	1.519E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
401	1.1972E-06	1.7962E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
402	1.1972E-06	2.1498E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.06E-10	1,000,000	7.06E-04
403	1.1972E-06	2.5984E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
404	1.1972E-06	3.1519E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
405	1.1972E-06	3.7992E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
406	1.1972E-06	4.4785E-06	1.05E-03	4.68E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
407	1.1972E-06	5.0741E-06	1.05E-03	5.30E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
408	1.1972E-06	5.4719E-06	1.05E-03	5.72E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
409	1.1972E-06	5.5763E-06	1.05E-03	5.83E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
410	1.1972E-06	5.3614E-06	1.05E-03	5.60E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
411	1.1972E-06	4.8908E-06	1.05E-03	5.11E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
412	1.1972E-06	4.2597E-06	1.05E-03	4.45E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
413	1.1972E-06	3.5808E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
414	1.1972E-06	2.9682E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.75E-10	1,000,000	9.75E-04
415	1.1972E-06	2.4562E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.07E-10	1,000,000	8.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.1972E-06	2.0407E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.70E-10	1,000,000	6.70E-04
417	1.1972E-06	1.3545E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
418	1.1972E-06	1.6224E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.33E-10	1,000,000	5.33E-04
419	1.1972E-06	1.9776E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
420	1.1972E-06	2.434E-06	1.05E-03	2.54E-09	2.00	1.57E-01	8.00E-10	1,000,000	8.00E-04
421	1.1972E-06	3.0579E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
422	1.1972E-06	3.9117E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
423	1.1972E-06	5.0289E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
424	1.1972E-06	6.3141E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
425	1.1972E-06	7.4784E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
426	1.1972E-06	8.2526E-06	1.05E-03	8.63E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
427	1.1972E-06	8.4446E-06	1.05E-03	8.83E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
428	1.1972E-06	8.051E-06	1.05E-03	8.41E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03
429	1.1972E-06	7.106E-06	1.05E-03	7.43E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
430	1.1972E-06	5.8477E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
431	1.1972E-06	4.6281E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
432	1.1972E-06	3.6354E-06	1.05E-03	3.80E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
433	1.1972E-06	2.8963E-06	1.05E-03	3.03E-09	2.00	1.57E-01	9.51E-10	1,000,000	9.51E-04
434	1.1972E-06	2.3355E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.67E-10	1,000,000	7.67E-04
435	1.1972E-06	1.3362E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
436	1.1972E-06	1.6486E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.42E-10	1,000,000	5.42E-04
437	1.1972E-06	2.0954E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
438	1.1972E-06	2.7072E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
439	1.1972E-06	3.551E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
440	1.1972E-06	4.8652E-06	1.05E-03	5.09E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
441	1.1972E-06	6.9294E-06	1.05E-03	7.24E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
442	1.1972E-06	9.776E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.21E-09	1,000,000	3.21E-03
443	1.1972E-06	1.2502E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.11E-09	1,000,000	4.11E-03
444	1.1972E-06	1.4135E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
445	1.1972E-06	1.4561E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.78E-09	1,000,000	4.78E-03
446	1.1972E-06	1.3763E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
447	1.1972E-06	1.1564E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.80E-09	1,000,000	3.80E-03
448	1.1972E-06	8.6045E-06	1.05E-03	8.99E-09	2.00	1.57E-01	2.83E-09	1,000,000	2.83E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.1972E-06	6.1636E-06	1.05E-03	6.44E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
450	1.1972E-06	4.5008E-06	1.05E-03	4.70E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
451	1.1972E-06	3.3845E-06	1.05E-03	3.54E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
452	1.1972E-06	2.6499E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.70E-10	1,000,000	8.70E-04
453	1.1972E-06	1.2689E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
454	1.1972E-06	1.5998E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
455	1.1972E-06	2.1042E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.91E-10	1,000,000	6.91E-04
456	1.1972E-06	2.8261E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.28E-10	1,000,000	9.28E-04
457	1.1972E-06	3.9329E-06	1.05E-03	4.11E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
458	1.1972E-06	5.8643E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
459	1.1972E-06	9.9227E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
460	1.1972E-06	1.8789E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.17E-09	1,000,000	6.17E-03
461	1.1972E-06	2.767E-05	1.05E-03	2.89E-08	2.00	1.57E-01	9.09E-09	1,000,000	9.09E-03
462	1.1972E-06	3.1476E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
463	1.1972E-06	3.2505E-05	1.05E-03	3.40E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
464	1.1972E-06	3.1072E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
465	1.1972E-06	2.415E-05	1.05E-03	2.52E-08	2.00	1.57E-01	7.93E-09	1,000,000	7.93E-03
466	1.1972E-06	1.4128E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
467	1.1972E-06	8.4127E-06	1.05E-03	8.79E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
468	1.1972E-06	5.5415E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
469	1.1972E-06	3.9531E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
470	1.1972E-06	2.9851E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.81E-10	1,000,000	9.81E-04
471	1.1972E-06	1.166E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
472	1.1972E-06	1.4965E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.92E-10	1,000,000	4.92E-04
473	1.1972E-06	1.9742E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.49E-10	1,000,000	6.49E-04
474	1.1972E-06	2.6675E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
475	1.1972E-06	3.7949E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
476	1.1972E-06	2.5183E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.27E-09	1,000,000	8.27E-03
477	1.1972E-06	1.1095E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
478	1.1972E-06	6.6171E-06	1.05E-03	6.92E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
479	1.1972E-06	4.4901E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
480	1.1972E-06	3.2896E-06	1.05E-03	3.44E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
481	1.1972E-06	1.0633E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.1972E-06	1.3696E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
483	1.1972E-06	1.7353E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.70E-10	1,000,000	5.70E-04
484	1.1972E-06	2.3156E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.61E-10	1,000,000	7.61E-04
485	1.1972E-06	3.4183E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
486	1.1972E-06	2.6869E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.83E-09	1,000,000	8.83E-03
487	1.1972E-06	1.1862E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.90E-09	1,000,000	3.90E-03
488	1.1972E-06	6.9916E-06	1.05E-03	7.31E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
489	1.1972E-06	4.7252E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
490	1.1972E-06	3.4498E-06	1.05E-03	3.61E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
491	1.1972E-06	9.3206E-07	1.05E-03	9.74E-10	2.00	1.57E-01	3.06E-10	1,000,000	3.06E-04
492	1.1972E-06	1.1721E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.85E-10	1,000,000	3.85E-04
493	1.1972E-06	1.4665E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
494	1.1972E-06	1.9515E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.41E-10	1,000,000	6.41E-04
495	1.1972E-06	2.7479E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.03E-10	1,000,000	9.03E-04
496	1.1972E-06	1.0145E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.33E-09	1,000,000	3.33E-03
497	1.1972E-06	1.2993E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.27E-09	1,000,000	4.27E-03
498	1.1972E-06	2.0327E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.68E-09	1,000,000	6.68E-03
499	1.1972E-06	1.4527E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
500	1.1972E-06	9.2454E-06	1.05E-03	9.66E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
501	1.1972E-06	6.2223E-06	1.05E-03	6.50E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
502	1.1972E-06	4.4565E-06	1.05E-03	4.66E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
503	1.1972E-06	3.3546E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
504	1.1972E-06	8.1556E-07	1.05E-03	8.52E-10	2.00	1.57E-01	2.68E-10	1,000,000	2.68E-04
505	1.1972E-06	9.7274E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
506	1.1972E-06	1.2521E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.11E-10	1,000,000	4.11E-04
507	1.1972E-06	1.5602E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.13E-10	1,000,000	5.13E-04
508	1.1972E-06	2.1633E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.11E-10	1,000,000	7.11E-04
509	1.1972E-06	2.9281E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.62E-10	1,000,000	9.62E-04
510	1.1972E-06	4.0128E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
511	1.1972E-06	5.4671E-06	1.05E-03	5.71E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
512	1.1972E-06	7.2956E-06	1.05E-03	7.63E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
513	1.1972E-06	8.5461E-06	1.05E-03	8.93E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
514	1.1972E-06	9.6777E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.1972E-06	1.0157E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
516	1.1972E-06	9.868E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
517	1.1972E-06	8.2672E-06	1.05E-03	8.64E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
518	1.1972E-06	6.4367E-06	1.05E-03	6.73E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
519	1.1972E-06	4.9438E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
520	1.1972E-06	3.8385E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
521	1.1972E-06	3.0381E-06	1.05E-03	3.18E-09	2.00	1.57E-01	9.98E-10	1,000,000	9.98E-04
522	1.1972E-06	7.0407E-07	1.05E-03	7.36E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04
523	1.1972E-06	8.5058E-07	1.05E-03	8.89E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
524	1.1972E-06	1.0392E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
525	1.1972E-06	1.278E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.20E-10	1,000,000	4.20E-04
526	1.1972E-06	1.55E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
527	1.1972E-06	2.1274E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.99E-10	1,000,000	6.99E-04
528	1.1972E-06	2.7568E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.06E-10	1,000,000	9.06E-04
529	1.1972E-06	3.5217E-06	1.05E-03	3.68E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
530	1.1972E-06	4.4082E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
531	1.1972E-06	5.2344E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
532	1.1972E-06	5.8038E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
533	1.1972E-06	6.2259E-06	1.05E-03	6.51E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
534	1.1972E-06	5.7049E-06	1.05E-03	5.96E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
535	1.1972E-06	5.2181E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
536	1.1972E-06	4.535E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
537	1.1972E-06	3.8356E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
538	1.1972E-06	3.1678E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
539	1.1972E-06	2.631E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.64E-10	1,000,000	8.64E-04
540	1.1972E-06	6.0951E-07	1.05E-03	6.37E-10	2.00	1.57E-01	2.00E-10	1,000,000	2.00E-04
541	1.1972E-06	7.2132E-07	1.05E-03	7.54E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
542	1.1972E-06	8.5849E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
543	1.1972E-06	1.0316E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.39E-10	1,000,000	3.39E-04
544	1.1972E-06	1.2852E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04
545	1.1972E-06	1.5538E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
546	1.1972E-06	1.9446E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.39E-10	1,000,000	6.39E-04
547	1.1972E-06	2.3642E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.77E-10	1,000,000	7.77E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.1972E-06	2.9153E-06	1.05E-03	3.05E-09	2.00	1.57E-01	9.58E-10	1,000,000	9.58E-04
549	1.1972E-06	3.3782E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
550	1.1972E-06	3.8714E-06	1.05E-03	4.05E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
551	1.1972E-06	4.5463E-06	1.05E-03	4.75E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
552	1.1972E-06	3.8025E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
553	1.1972E-06	3.4937E-06	1.05E-03	3.65E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
554	1.1972E-06	3.1704E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
555	1.1972E-06	3.0273E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.94E-10	1,000,000	9.94E-04
556	1.1972E-06	2.6037E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.55E-10	1,000,000	8.55E-04
557	1.1972E-06	2.2387E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
558	1.1972E-06	5.2966E-07	1.05E-03	5.54E-10	2.00	1.57E-01	1.74E-10	1,000,000	1.74E-04
559	1.1972E-06	6.1707E-07	1.05E-03	6.45E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
560	1.1972E-06	7.0481E-07	1.05E-03	7.37E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
561	1.1972E-06	8.3395E-07	1.05E-03	8.72E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
562	1.1972E-06	9.7036E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.19E-10	1,000,000	3.19E-04
563	1.1972E-06	1.1553E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
564	1.1972E-06	1.4261E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
565	1.1972E-06	1.6733E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
566	1.1972E-06	2.0316E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
567	1.1972E-06	2.3339E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.67E-10	1,000,000	7.67E-04
568	1.1972E-06	2.6531E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.72E-10	1,000,000	8.72E-04
569	1.1972E-06	2.5568E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.40E-10	1,000,000	8.40E-04
570	1.1972E-06	2.4566E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.07E-10	1,000,000	8.07E-04
571	1.1972E-06	2.4415E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.02E-10	1,000,000	8.02E-04
572	1.1972E-06	2.4108E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.92E-10	1,000,000	7.92E-04
573	1.1972E-06	2.2255E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.31E-10	1,000,000	7.31E-04
574	1.1972E-06	2.0508E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.74E-10	1,000,000	6.74E-04
575	1.1972E-06	1.8857E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.1972E-06	8.4161E-07	6.05E-04	5.09E-10	14.00	4.71E-02	3.36E-10	1,000,000	3.4E-04
2	1.1972E-06	9.3238E-07	6.05E-04	5.64E-10	14.00	4.71E-02	3.72E-10	1,000,000	3.72E-04
3	1.1972E-06	1.0356E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
4	1.1972E-06	1.1517E-06	6.05E-04	6.97E-10	14.00	4.71E-02	4.60E-10	1,000,000	4.60E-04
5	1.1972E-06	1.2813E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
6	1.1972E-06	1.4228E-06	6.05E-04	8.61E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
7	1.1972E-06	1.571E-06	6.05E-04	9.51E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
8	1.1972E-06	1.7198E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.87E-10	1,000,000	6.87E-04
9	1.1972E-06	1.8606E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.43E-10	1,000,000	7.43E-04
10	1.1972E-06	1.979E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
11	1.1972E-06	2.0627E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.24E-10	1,000,000	8.24E-04
12	1.1972E-06	2.1024E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.40E-10	1,000,000	8.40E-04
13	1.1972E-06	2.093E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
14	1.1972E-06	2.0357E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.13E-10	1,000,000	8.13E-04
15	1.1972E-06	1.9379E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.74E-10	1,000,000	7.74E-04
16	1.1972E-06	1.8088E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.22E-10	1,000,000	7.22E-04
17	1.1972E-06	1.6664E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.65E-10	1,000,000	6.65E-04
18	1.1972E-06	1.5178E-06	6.05E-04	9.18E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
19	1.1972E-06	1.3708E-06	6.05E-04	8.29E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
20	1.1972E-06	1.236E-06	6.05E-04	7.48E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
21	1.1972E-06	1.1125E-06	6.05E-04	6.73E-10	14.00	4.71E-02	4.44E-10	1,000,000	4.44E-04
22	1.1972E-06	1.0004E-06	6.05E-04	6.05E-10	14.00	4.71E-02	3.99E-10	1,000,000	3.99E-04
23	1.1972E-06	9.0288E-07	6.05E-04	5.46E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
24	1.1972E-06	1.0105E-06	6.05E-04	6.11E-10	14.00	4.71E-02	4.04E-10	1,000,000	4.04E-04
25	1.1972E-06	1.1357E-06	6.05E-04	6.87E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04
26	1.1972E-06	1.281E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.1972E-06	1.4477E-06	6.05E-04	8.76E-10	14.00	4.71E-02	5.78E-10	1,000,000	5.78E-04
28	1.1972E-06	1.6368E-06	6.05E-04	9.90E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
29	1.1972E-06	1.8418E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
30	1.1972E-06	2.0572E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04
31	1.1972E-06	2.2645E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.04E-10	1,000,000	9.04E-04
32	1.1972E-06	2.4443E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.76E-10	1,000,000	9.76E-04
33	1.1972E-06	2.5725E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
34	1.1972E-06	2.6371E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
35	1.1972E-06	2.6252E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
36	1.1972E-06	2.5391E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
37	1.1972E-06	2.3812E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.51E-10	1,000,000	9.51E-04
38	1.1972E-06	2.1883E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.74E-10	1,000,000	8.74E-04
39	1.1972E-06	1.9818E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04
40	1.1972E-06	1.7713E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
41	1.1972E-06	1.5709E-06	6.05E-04	9.50E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
42	1.1972E-06	1.3896E-06	6.05E-04	8.41E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
43	1.1972E-06	1.2298E-06	6.05E-04	7.44E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04
44	1.1972E-06	1.0974E-06	6.05E-04	6.64E-10	14.00	4.71E-02	4.38E-10	1,000,000	4.38E-04
45	1.1972E-06	9.6435E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
46	1.1972E-06	1.0908E-06	6.05E-04	6.60E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
47	1.1972E-06	1.242E-06	6.05E-04	7.52E-10	14.00	4.71E-02	4.96E-10	1,000,000	4.96E-04
48	1.1972E-06	1.423E-06	6.05E-04	8.61E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
49	1.1972E-06	1.6384E-06	6.05E-04	9.91E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
50	1.1972E-06	1.8918E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
51	1.1972E-06	2.1822E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.71E-10	1,000,000	8.71E-04
52	1.1972E-06	2.4992E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.98E-10	1,000,000	9.98E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.1972E-06	2.821E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
54	1.1972E-06	3.1067E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
55	1.1972E-06	3.3182E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
56	1.1972E-06	3.4228E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
57	1.1972E-06	3.4008E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
58	1.1972E-06	3.2653E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
59	1.1972E-06	3.0099E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
60	1.1972E-06	2.7047E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
61	1.1972E-06	2.3905E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.55E-10	1,000,000	9.55E-04
62	1.1972E-06	2.0832E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.32E-10	1,000,000	8.32E-04
63	1.1972E-06	1.807E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.22E-10	1,000,000	7.22E-04
64	1.1972E-06	1.5693E-06	6.05E-04	9.50E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
65	1.1972E-06	1.3695E-06	6.05E-04	8.29E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
66	1.1972E-06	1.2021E-06	6.05E-04	7.27E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
67	1.1972E-06	1.0234E-06	6.05E-04	6.19E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
68	1.1972E-06	1.1701E-06	6.05E-04	7.08E-10	14.00	4.71E-02	4.67E-10	1,000,000	4.67E-04
69	1.1972E-06	1.3502E-06	6.05E-04	8.17E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
70	1.1972E-06	1.5732E-06	6.05E-04	9.52E-10	14.00	4.71E-02	6.28E-10	1,000,000	6.28E-04
71	1.1972E-06	1.8504E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.39E-10	1,000,000	7.39E-04
72	1.1972E-06	2.1936E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.76E-10	1,000,000	8.76E-04
73	1.1972E-06	2.611E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
74	1.1972E-06	3.0945E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
75	1.1972E-06	3.6132E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
76	1.1972E-06	4.1018E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
77	1.1972E-06	4.4762E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
78	1.1972E-06	4.6692E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
79	1.1972E-06	4.6248E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
80	1.1972E-06	4.3667E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
81	1.1972E-06	3.941E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
82	1.1972E-06	3.4424E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
83	1.1972E-06	2.9303E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
84	1.1972E-06	2.475E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.88E-10	1,000,000	9.88E-04
85	1.1972E-06	2.0776E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.1972E-06	1.7714E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
87	1.1972E-06	1.5171E-06	6.05E-04	9.18E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
88	1.1972E-06	1.3133E-06	6.05E-04	7.95E-10	14.00	4.71E-02	5.24E-10	1,000,000	5.24E-04
89	1.1972E-06	1.0617E-06	6.05E-04	6.42E-10	14.00	4.71E-02	4.24E-10	1,000,000	4.24E-04
90	1.1972E-06	1.2441E-06	6.05E-04	7.53E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04
91	1.1972E-06	1.4545E-06	6.05E-04	8.80E-10	14.00	4.71E-02	5.81E-10	1,000,000	5.81E-04
92	1.1972E-06	1.7242E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.89E-10	1,000,000	6.89E-04
93	1.1972E-06	2.0755E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
94	1.1972E-06	2.5379E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
95	1.1972E-06	3.144E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
96	1.1972E-06	3.9135E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
97	1.1972E-06	4.8149E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
98	1.1972E-06	5.7123E-06	6.05E-04	3.46E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
99	1.1972E-06	6.4082E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
100	1.1972E-06	6.7607E-06	6.05E-04	4.09E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
101	1.1972E-06	6.6875E-06	6.05E-04	4.05E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
102	1.1972E-06	6.1998E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
103	1.1972E-06	5.4105E-06	6.05E-04	3.27E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
104	1.1972E-06	4.495E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
105	1.1972E-06	3.6556E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
106	1.1972E-06	2.958E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
107	1.1972E-06	2.4117E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.63E-10	1,000,000	9.63E-04
108	1.1972E-06	1.9958E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.97E-10	1,000,000	7.97E-04
109	1.1972E-06	1.6759E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
110	1.1972E-06	1.4305E-06	6.05E-04	8.66E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
111	1.1972E-06	1.0587E-06	6.05E-04	6.41E-10	14.00	4.71E-02	4.23E-10	1,000,000	4.23E-04
112	1.1972E-06	1.2654E-06	6.05E-04	7.66E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
113	1.1972E-06	1.4792E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
114	1.1972E-06	1.7993E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.19E-10	1,000,000	7.19E-04
115	1.1972E-06	2.2802E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.11E-10	1,000,000	9.11E-04
116	1.1972E-06	2.9061E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
117	1.1972E-06	3.7855E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
118	1.1972E-06	5.0604E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.1972E-06	6.7787E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
120	1.1972E-06	8.6586E-06	6.05E-04	5.24E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
121	1.1972E-06	1.0131E-05	6.05E-04	6.13E-09	14.00	4.71E-02	4.05E-09	1,000,000	4.05E-03
122	1.1972E-06	1.0819E-05	6.05E-04	6.55E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
123	1.1972E-06	1.0686E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
124	1.1972E-06	9.6795E-06	6.05E-04	5.86E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
125	1.1972E-06	7.9762E-06	6.05E-04	4.83E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
126	1.1972E-06	6.1239E-06	6.05E-04	3.71E-09	14.00	4.71E-02	2.45E-09	1,000,000	2.45E-03
127	1.1972E-06	4.632E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
128	1.1972E-06	3.5513E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
129	1.1972E-06	2.7841E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
130	1.1972E-06	2.2441E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.96E-10	1,000,000	8.96E-04
131	1.1972E-06	1.8469E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.38E-10	1,000,000	7.38E-04
132	1.1972E-06	1.5525E-06	6.05E-04	9.39E-10	14.00	4.71E-02	6.20E-10	1,000,000	6.20E-04
133	1.1972E-06	1.015E-06	6.05E-04	6.14E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
134	1.1972E-06	1.2118E-06	6.05E-04	7.33E-10	14.00	4.71E-02	4.84E-10	1,000,000	4.84E-04
135	1.1972E-06	1.4579E-06	6.05E-04	8.82E-10	14.00	4.71E-02	5.82E-10	1,000,000	5.82E-04
136	1.1972E-06	1.8657E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.45E-10	1,000,000	7.45E-04
137	1.1972E-06	2.4535E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
138	1.1972E-06	3.2462E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
139	1.1972E-06	4.4741E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
140	1.1972E-06	6.6169E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
141	1.1972E-06	1.0425E-05	6.05E-04	6.31E-09	14.00	4.71E-02	4.16E-09	1,000,000	4.16E-03
142	1.1972E-06	1.5514E-05	6.05E-04	9.39E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
143	1.1972E-06	1.9093E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.62E-09	1,000,000	7.62E-03
144	1.1972E-06	2.0556E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.21E-09	1,000,000	8.21E-03
145	1.1972E-06	2.0383E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.14E-09	1,000,000	8.14E-03
146	1.1972E-06	1.806E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.21E-09	1,000,000	7.21E-03
147	1.1972E-06	1.3332E-05	6.05E-04	8.07E-09	14.00	4.71E-02	5.32E-09	1,000,000	5.32E-03
148	1.1972E-06	8.7926E-06	6.05E-04	5.32E-09	14.00	4.71E-02	3.51E-09	1,000,000	3.51E-03
149	1.1972E-06	5.9574E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
150	1.1972E-06	4.2524E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
151	1.1972E-06	3.1954E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.1972E-06	2.5057E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
153	1.1972E-06	2.024E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.08E-10	1,000,000	8.08E-04
154	1.1972E-06	1.6761E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
155	1.1972E-06	8.9175E-07	6.05E-04	5.40E-10	14.00	4.71E-02	3.56E-10	1,000,000	3.56E-04
156	1.1972E-06	1.0821E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
157	1.1972E-06	1.3793E-06	6.05E-04	8.35E-10	14.00	4.71E-02	5.51E-10	1,000,000	5.51E-04
158	1.1972E-06	1.7249E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.89E-10	1,000,000	6.89E-04
159	1.1972E-06	2.3463E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.37E-10	1,000,000	9.37E-04
160	1.1972E-06	3.2469E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
161	1.1972E-06	4.8061E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
162	1.1972E-06	8.2052E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.28E-09	1,000,000	3.28E-03
163	1.1972E-06	1.8595E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.43E-09	1,000,000	7.43E-03
164	1.1972E-06	4.8444E-05	6.05E-04	2.93E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
165	1.1972E-06	5.9566E-05	6.05E-04	3.60E-08	14.00	4.71E-02	2.38E-08	1,000,000	2.38E-02
166	1.1972E-06	6.2495E-05	6.05E-04	3.78E-08	14.00	4.71E-02	2.50E-08	1,000,000	2.50E-02
167	1.1972E-06	6.2488E-05	6.05E-04	3.78E-08	14.00	4.71E-02	2.50E-08	1,000,000	2.50E-02
168	1.1972E-06	5.7516E-05	6.05E-04	3.48E-08	14.00	4.71E-02	2.30E-08	1,000,000	2.30E-02
169	1.1972E-06	2.9362E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
170	1.1972E-06	1.3232E-05	6.05E-04	8.01E-09	14.00	4.71E-02	5.28E-09	1,000,000	5.28E-03
171	1.1972E-06	7.5769E-06	6.05E-04	4.58E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
172	1.1972E-06	5.0314E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
173	1.1972E-06	3.6248E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
174	1.1972E-06	2.7652E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
175	1.1972E-06	2.1971E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.77E-10	1,000,000	8.77E-04
176	1.1972E-06	1.7962E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
177	1.1972E-06	8.3277E-07	6.05E-04	5.04E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
178	1.1972E-06	1.026E-06	6.05E-04	6.21E-10	14.00	4.71E-02	4.10E-10	1,000,000	4.10E-04
179	1.1972E-06	1.3089E-06	6.05E-04	7.92E-10	14.00	4.71E-02	5.23E-10	1,000,000	5.23E-04
180	1.1972E-06	1.6938E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.76E-10	1,000,000	6.76E-04
181	1.1972E-06	2.2625E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.04E-10	1,000,000	9.04E-04
182	1.1972E-06	3.0969E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
183	1.1972E-06	4.6247E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
184	1.1972E-06	6.5057E-05	6.05E-04	3.94E-08	14.00	4.71E-02	2.60E-08	1,000,000	2.60E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.1972E-06	1.7367E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.94E-09	1,000,000	6.94E-03
186	1.1972E-06	8.9023E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
187	1.1972E-06	5.6147E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.24E-03
188	1.1972E-06	3.9438E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
189	1.1972E-06	2.9633E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
190	1.1972E-06	2.3277E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.30E-10	1,000,000	9.30E-04
191	1.1972E-06	1.8878E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.54E-10	1,000,000	7.54E-04
192	1.1972E-06	7.4766E-07	6.05E-04	4.52E-10	14.00	4.71E-02	2.99E-10	1,000,000	2.99E-04
193	1.1972E-06	9.0442E-07	6.05E-04	5.47E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
194	1.1972E-06	1.1483E-06	6.05E-04	6.95E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
195	1.1972E-06	1.4693E-06	6.05E-04	8.89E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
196	1.1972E-06	1.955E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
197	1.1972E-06	2.6009E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
198	1.1972E-06	3.7954E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
199	1.1972E-06	1.6902E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.75E-09	1,000,000	6.75E-03
200	1.1972E-06	3.0814E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
201	1.1972E-06	1.4461E-05	6.05E-04	8.75E-09	14.00	4.71E-02	5.78E-09	1,000,000	5.78E-03
202	1.1972E-06	8.3773E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
203	1.1972E-06	5.5397E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
204	1.1972E-06	3.9699E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
205	1.1972E-06	3.0075E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
206	1.1972E-06	2.3711E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.47E-10	1,000,000	9.47E-04
207	1.1972E-06	1.927E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.70E-10	1,000,000	7.70E-04
208	1.1972E-06	6.7076E-07	6.05E-04	4.06E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
209	1.1972E-06	8.023E-07	6.05E-04	4.85E-10	14.00	4.71E-02	3.20E-10	1,000,000	3.20E-04
210	1.1972E-06	9.4894E-07	6.05E-04	5.74E-10	14.00	4.71E-02	3.79E-10	1,000,000	3.79E-04
211	1.1972E-06	1.2096E-06	6.05E-04	7.32E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04
212	1.1972E-06	1.5396E-06	6.05E-04	9.32E-10	14.00	4.71E-02	6.15E-10	1,000,000	6.15E-04
213	1.1972E-06	2.0749E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
214	1.1972E-06	2.9321E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
215	1.1972E-06	4.1433E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
216	1.1972E-06	6.4209E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
217	1.1972E-06	8.6353E-06	6.05E-04	5.22E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.1972E-06	1.4E-05	6.05E-04	8.47E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
219	1.1972E-06	1.2266E-05	6.05E-04	7.42E-09	14.00	4.71E-02	4.90E-09	1,000,000	4.90E-03
220	1.1972E-06	9.1194E-06	6.05E-04	5.52E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
221	1.1972E-06	6.551E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.62E-09	1,000,000	2.62E-03
222	1.1972E-06	4.8085E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
223	1.1972E-06	3.6486E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
224	1.1972E-06	2.8572E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
225	1.1972E-06	2.2984E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.18E-10	1,000,000	9.18E-04
226	1.1972E-06	1.892E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.56E-10	1,000,000	7.56E-04
227	1.1972E-06	5.9655E-07	6.05E-04	3.61E-10	14.00	4.71E-02	2.38E-10	1,000,000	2.38E-04
228	1.1972E-06	6.9772E-07	6.05E-04	4.22E-10	14.00	4.71E-02	2.79E-10	1,000,000	2.79E-04
229	1.1972E-06	8.2664E-07	6.05E-04	5.00E-10	14.00	4.71E-02	3.30E-10	1,000,000	3.30E-04
230	1.1972E-06	1.0079E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
231	1.1972E-06	1.2572E-06	6.05E-04	7.61E-10	14.00	4.71E-02	5.02E-10	1,000,000	5.02E-04
232	1.1972E-06	1.5655E-06	6.05E-04	9.47E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
233	1.1972E-06	2.1474E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.58E-10	1,000,000	8.58E-04
234	1.1972E-06	2.876E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
235	1.1972E-06	3.8529E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
236	1.1972E-06	4.9859E-06	6.05E-04	3.02E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
237	1.1972E-06	6.155E-06	6.05E-04	3.72E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
238	1.1972E-06	7.0816E-06	6.05E-04	4.28E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
239	1.1972E-06	7.6964E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03
240	1.1972E-06	7.5574E-06	6.05E-04	4.57E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
241	1.1972E-06	7.1364E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
242	1.1972E-06	5.7843E-06	6.05E-04	3.50E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
243	1.1972E-06	4.8421E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
244	1.1972E-06	3.8955E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
245	1.1972E-06	3.1445E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
246	1.1972E-06	2.5694E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
247	1.1972E-06	2.1291E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.50E-10	1,000,000	8.50E-04
248	1.1972E-06	1.7894E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.15E-10	1,000,000	7.15E-04
249	1.1972E-06	5.3235E-07	6.05E-04	3.22E-10	14.00	4.71E-02	2.13E-10	1,000,000	2.13E-04
250	1.1972E-06	6.1125E-07	6.05E-04	3.70E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.1972E-06	7.0886E-07	6.05E-04	4.29E-10	14.00	4.71E-02	2.83E-10	1,000,000	2.83E-04
252	1.1972E-06	8.5131E-07	6.05E-04	5.15E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
253	1.1972E-06	1.0246E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
254	1.1972E-06	1.2975E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
255	1.1972E-06	1.6052E-06	6.05E-04	9.71E-10	14.00	4.71E-02	6.41E-10	1,000,000	6.41E-04
256	1.1972E-06	2.1162E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.45E-10	1,000,000	8.45E-04
257	1.1972E-06	2.6043E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
258	1.1972E-06	3.1476E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
259	1.1972E-06	3.8373E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
260	1.1972E-06	4.5019E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
261	1.1972E-06	4.8842E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
262	1.1972E-06	4.8059E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
263	1.1972E-06	4.4325E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
264	1.1972E-06	3.9851E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
265	1.1972E-06	3.6565E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
266	1.1972E-06	3.1236E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
267	1.1972E-06	2.6383E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
268	1.1972E-06	2.2384E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
269	1.1972E-06	1.911E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.63E-10	1,000,000	7.63E-04
270	1.1972E-06	1.6433E-06	6.05E-04	9.94E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
271	1.1972E-06	4.6592E-07	6.05E-04	2.82E-10	14.00	4.71E-02	1.86E-10	1,000,000	1.86E-04
272	1.1972E-06	5.2715E-07	6.05E-04	3.19E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
273	1.1972E-06	6.0853E-07	6.05E-04	3.68E-10	14.00	4.71E-02	2.43E-10	1,000,000	2.43E-04
274	1.1972E-06	7.0862E-07	6.05E-04	4.29E-10	14.00	4.71E-02	2.83E-10	1,000,000	2.83E-04
275	1.1972E-06	8.3647E-07	6.05E-04	5.06E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
276	1.1972E-06	1.0157E-06	6.05E-04	6.15E-10	14.00	4.71E-02	4.06E-10	1,000,000	4.06E-04
277	1.1972E-06	1.2334E-06	6.05E-04	7.46E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
278	1.1972E-06	1.4781E-06	6.05E-04	8.94E-10	14.00	4.71E-02	5.90E-10	1,000,000	5.90E-04
279	1.1972E-06	1.8054E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.21E-10	1,000,000	7.21E-04
280	1.1972E-06	2.169E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.66E-10	1,000,000	8.66E-04
281	1.1972E-06	2.6007E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
282	1.1972E-06	3.017E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
283	1.1972E-06	3.2469E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.1972E-06	3.0027E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
285	1.1972E-06	3.0009E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
286	1.1972E-06	2.8328E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
287	1.1972E-06	2.614E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
288	1.1972E-06	2.4157E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.65E-10	1,000,000	9.65E-04
289	1.1972E-06	2.1788E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
290	1.1972E-06	1.9326E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04
291	1.1972E-06	1.6975E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.78E-10	1,000,000	6.78E-04
292	1.1972E-06	1.4816E-06	6.05E-04	8.96E-10	14.00	4.71E-02	5.92E-10	1,000,000	5.92E-04
293	1.1972E-06	4.1065E-07	6.05E-04	2.48E-10	14.00	4.71E-02	1.64E-10	1,000,000	1.64E-04
294	1.1972E-06	4.6218E-07	6.05E-04	2.80E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
295	1.1972E-06	5.2336E-07	6.05E-04	3.17E-10	14.00	4.71E-02	2.09E-10	1,000,000	2.09E-04
296	1.1972E-06	5.9331E-07	6.05E-04	3.59E-10	14.00	4.71E-02	2.37E-10	1,000,000	2.37E-04
297	1.1972E-06	6.9464E-07	6.05E-04	4.20E-10	14.00	4.71E-02	2.77E-10	1,000,000	2.77E-04
298	1.1972E-06	8.125E-07	6.05E-04	4.92E-10	14.00	4.71E-02	3.24E-10	1,000,000	3.24E-04
299	1.1972E-06	9.589E-07	6.05E-04	5.80E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
300	1.1972E-06	1.1579E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.62E-10	1,000,000	4.62E-04
301	1.1972E-06	1.3218E-06	6.05E-04	8.00E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
302	1.1972E-06	1.5811E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.31E-10	1,000,000	6.31E-04
303	1.1972E-06	1.8394E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.35E-10	1,000,000	7.35E-04
304	1.1972E-06	2.1264E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.49E-10	1,000,000	8.49E-04
305	1.1972E-06	2.2361E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.93E-10	1,000,000	8.93E-04
306	1.1972E-06	2.1422E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.55E-10	1,000,000	8.55E-04
307	1.1972E-06	2.0918E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.35E-10	1,000,000	8.35E-04
308	1.1972E-06	1.991E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.95E-10	1,000,000	7.95E-04
309	1.1972E-06	2.0594E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04
310	1.1972E-06	1.8984E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.58E-10	1,000,000	7.58E-04
311	1.1972E-06	1.7654E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.05E-10	1,000,000	7.05E-04
312	1.1972E-06	1.6455E-06	6.05E-04	9.96E-10	14.00	4.71E-02	6.57E-10	1,000,000	6.57E-04
313	1.1972E-06	1.4932E-06	6.05E-04	9.03E-10	14.00	4.71E-02	5.96E-10	1,000,000	5.96E-04
314	1.1972E-06	1.3573E-06	6.05E-04	8.21E-10	14.00	4.71E-02	5.42E-10	1,000,000	5.42E-04
315	1.1972E-06	3.5573E-07	6.05E-04	2.15E-10	14.00	4.71E-02	1.42E-10	1,000,000	1.42E-04
316	1.1972E-06	3.9809E-07	6.05E-04	2.41E-10	14.00	4.71E-02	1.59E-10	1,000,000	1.59E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.1972E-06	4.4568E-07	6.05E-04	2.70E-10	14.00	4.71E-02	1.78E-10	1,000,000	1.78E-04
318	1.1972E-06	4.9967E-07	6.05E-04	3.02E-10	14.00	4.71E-02	2.00E-10	1,000,000	2.00E-04
319	1.1972E-06	5.5941E-07	6.05E-04	3.38E-10	14.00	4.71E-02	2.23E-10	1,000,000	2.23E-04
320	1.1972E-06	6.6702E-07	6.05E-04	4.04E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
321	1.1972E-06	7.6051E-07	6.05E-04	4.60E-10	14.00	4.71E-02	3.04E-10	1,000,000	3.04E-04
322	1.1972E-06	8.8297E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
323	1.1972E-06	1.0407E-06	6.05E-04	6.30E-10	14.00	4.71E-02	4.16E-10	1,000,000	4.16E-04
324	1.1972E-06	1.1957E-06	6.05E-04	7.23E-10	14.00	4.71E-02	4.77E-10	1,000,000	4.77E-04
325	1.1972E-06	1.3607E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
326	1.1972E-06	1.5404E-06	6.05E-04	9.32E-10	14.00	4.71E-02	6.15E-10	1,000,000	6.15E-04
327	1.1972E-06	1.885E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.53E-10	1,000,000	7.53E-04
328	1.1972E-06	1.5599E-06	6.05E-04	9.44E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
329	1.1972E-06	1.5276E-06	6.05E-04	9.24E-10	14.00	4.71E-02	6.10E-10	1,000,000	6.10E-04
330	1.1972E-06	1.5163E-06	6.05E-04	9.17E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
331	1.1972E-06	1.5026E-06	6.05E-04	9.09E-10	14.00	4.71E-02	6.00E-10	1,000,000	6.00E-04
332	1.1972E-06	1.4793E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
333	1.1972E-06	1.3969E-06	6.05E-04	8.45E-10	14.00	4.71E-02	5.58E-10	1,000,000	5.58E-04
334	1.1972E-06	1.3636E-06	6.05E-04	8.25E-10	14.00	4.71E-02	5.45E-10	1,000,000	5.45E-04
335	1.1972E-06	1.28E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.11E-10	1,000,000	5.11E-04
336	1.1972E-06	1.1923E-06	6.05E-04	7.21E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
337	1.1972E-06	3.1583E-07	6.05E-04	1.91E-10	14.00	4.71E-02	1.26E-10	1,000,000	1.26E-04
338	1.1972E-06	3.4792E-07	6.05E-04	2.11E-10	14.00	4.71E-02	1.39E-10	1,000,000	1.39E-04
339	1.1972E-06	3.808E-07	6.05E-04	2.30E-10	14.00	4.71E-02	1.52E-10	1,000,000	1.52E-04
340	1.1972E-06	4.2886E-07	6.05E-04	2.59E-10	14.00	4.71E-02	1.71E-10	1,000,000	1.71E-04
341	1.1972E-06	4.7501E-07	6.05E-04	2.87E-10	14.00	4.71E-02	1.90E-10	1,000,000	1.90E-04
342	1.1972E-06	5.5391E-07	6.05E-04	3.35E-10	14.00	4.71E-02	2.21E-10	1,000,000	2.21E-04
343	1.1972E-06	6.1814E-07	6.05E-04	3.74E-10	14.00	4.71E-02	2.47E-10	1,000,000	2.47E-04
344	1.1972E-06	7.0942E-07	6.05E-04	4.29E-10	14.00	4.71E-02	2.83E-10	1,000,000	2.83E-04
345	1.1972E-06	8.1267E-07	6.05E-04	4.92E-10	14.00	4.71E-02	3.25E-10	1,000,000	3.25E-04
346	1.1972E-06	9.4046E-07	6.05E-04	5.69E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
347	1.1972E-06	1.0368E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
348	1.1972E-06	1.1382E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
349	1.1972E-06	1.0988E-06	6.05E-04	6.65E-10	14.00	4.71E-02	4.39E-10	1,000,000	4.39E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.1972E-06	1.1252E-06	6.05E-04	6.81E-10	14.00	4.71E-02	4.49E-10	1,000,000	4.49E-04
351	1.1972E-06	1.142E-06	6.05E-04	6.91E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
352	1.1972E-06	1.1039E-06	6.05E-04	6.68E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
353	1.1972E-06	1.1504E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
354	1.1972E-06	1.123E-06	6.05E-04	6.79E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
355	1.1972E-06	1.1183E-06	6.05E-04	6.77E-10	14.00	4.71E-02	4.47E-10	1,000,000	4.47E-04
356	1.1972E-06	1.1054E-06	6.05E-04	6.69E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
357	1.1972E-06	1.0636E-06	6.05E-04	6.44E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04
358	1.1972E-06	1.015E-06	6.05E-04	6.14E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
359	1.1972E-06	2.7596E-07	6.05E-04	1.67E-10	14.00	4.71E-02	1.10E-10	1,000,000	1.10E-04
360	1.1972E-06	3.037E-07	6.05E-04	1.84E-10	14.00	4.71E-02	1.21E-10	1,000,000	1.21E-04
361	1.1972E-06	3.3251E-07	6.05E-04	2.01E-10	14.00	4.71E-02	1.33E-10	1,000,000	1.33E-04
362	1.1972E-06	3.655E-07	6.05E-04	2.21E-10	14.00	4.71E-02	1.46E-10	1,000,000	1.46E-04
363	1.1972E-06	4.0003E-07	6.05E-04	2.42E-10	14.00	4.71E-02	1.60E-10	1,000,000	1.60E-04
364	1.1972E-06	4.5281E-07	6.05E-04	2.74E-10	14.00	4.71E-02	1.81E-10	1,000,000	1.81E-04
365	1.1972E-06	5.1196E-07	6.05E-04	3.10E-10	14.00	4.71E-02	2.04E-10	1,000,000	2.04E-04
366	1.1972E-06	5.8216E-07	6.05E-04	3.52E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04
367	1.1972E-06	6.7018E-07	6.05E-04	4.06E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
368	1.1972E-06	7.443E-07	6.05E-04	4.50E-10	14.00	4.71E-02	2.97E-10	1,000,000	2.97E-04
369	1.1972E-06	7.9859E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
370	1.1972E-06	8.28E-07	6.05E-04	5.01E-10	14.00	4.71E-02	3.31E-10	1,000,000	3.31E-04
371	1.1972E-06	8.688E-07	6.05E-04	5.26E-10	14.00	4.71E-02	3.47E-10	1,000,000	3.47E-04
372	1.1972E-06	8.8682E-07	6.05E-04	5.37E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
373	1.1972E-06	8.7289E-07	6.05E-04	5.28E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
374	1.1972E-06	8.5216E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
375	1.1972E-06	8.7979E-07	6.05E-04	5.32E-10	14.00	4.71E-02	3.51E-10	1,000,000	3.51E-04
376	1.1972E-06	8.7084E-07	6.05E-04	5.27E-10	14.00	4.71E-02	3.48E-10	1,000,000	3.48E-04
377	1.1972E-06	8.7612E-07	6.05E-04	5.30E-10	14.00	4.71E-02	3.50E-10	1,000,000	3.50E-04
378	1.1972E-06	9.1318E-07	6.05E-04	5.53E-10	14.00	4.71E-02	3.65E-10	1,000,000	3.65E-04
379	1.1972E-06	9.0085E-07	6.05E-04	5.45E-10	14.00	4.71E-02	3.60E-10	1,000,000	3.60E-04
380	1.1972E-06	8.5316E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
381	1.1972E-06	1.2095E-06	6.05E-04	7.32E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04
382	1.1972E-06	1.3919E-06	6.05E-04	8.42E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.1972E-06	1.6139E-06	6.05E-04	9.77E-10	14.00	4.71E-02	6.45E-10	1,000,000	6.45E-04
384	1.1972E-06	1.8831E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.52E-10	1,000,000	7.52E-04
385	1.1972E-06	2.2049E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.81E-10	1,000,000	8.81E-04
386	1.1972E-06	2.5756E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
387	1.1972E-06	2.9759E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
388	1.1972E-06	3.3712E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
389	1.1972E-06	3.704E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
390	1.1972E-06	3.9186E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
391	1.1972E-06	3.9738E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
392	1.1972E-06	3.861E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
393	1.1972E-06	3.5991E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
394	1.1972E-06	3.2423E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
395	1.1972E-06	2.8362E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
396	1.1972E-06	2.4444E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.76E-10	1,000,000	9.76E-04
397	1.1972E-06	2.0945E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
398	1.1972E-06	1.7946E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
399	1.1972E-06	1.3002E-06	6.05E-04	7.87E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
400	1.1972E-06	1.519E-06	6.05E-04	9.19E-10	14.00	4.71E-02	6.07E-10	1,000,000	6.07E-04
401	1.1972E-06	1.7962E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
402	1.1972E-06	2.1498E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.58E-10	1,000,000	8.58E-04
403	1.1972E-06	2.5984E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
404	1.1972E-06	3.1519E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
405	1.1972E-06	3.7992E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
406	1.1972E-06	4.4785E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
407	1.1972E-06	5.0741E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
408	1.1972E-06	5.4719E-06	6.05E-04	3.31E-09	14.00	4.71E-02	2.19E-09	1,000,000	2.19E-03
409	1.1972E-06	5.5763E-06	6.05E-04	3.37E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
410	1.1972E-06	5.3614E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
411	1.1972E-06	4.8908E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
412	1.1972E-06	4.2597E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
413	1.1972E-06	3.5808E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
414	1.1972E-06	2.9682E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
415	1.1972E-06	2.4562E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.81E-10	1,000,000	9.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.1972E-06	2.0407E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.15E-10	1,000,000	8.15E-04
417	1.1972E-06	1.3545E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
418	1.1972E-06	1.6224E-06	6.05E-04	9.82E-10	14.00	4.71E-02	6.48E-10	1,000,000	6.48E-04
419	1.1972E-06	1.9776E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
420	1.1972E-06	2.434E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.72E-10	1,000,000	9.72E-04
421	1.1972E-06	3.0579E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
422	1.1972E-06	3.9117E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
423	1.1972E-06	5.0289E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
424	1.1972E-06	6.3141E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
425	1.1972E-06	7.4784E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
426	1.1972E-06	8.2526E-06	6.05E-04	4.99E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
427	1.1972E-06	8.4446E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
428	1.1972E-06	8.051E-06	6.05E-04	4.87E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
429	1.1972E-06	7.106E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
430	1.1972E-06	5.8477E-06	6.05E-04	3.54E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
431	1.1972E-06	4.6281E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
432	1.1972E-06	3.6354E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
433	1.1972E-06	2.8963E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
434	1.1972E-06	2.3355E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.33E-10	1,000,000	9.33E-04
435	1.1972E-06	1.3362E-06	6.05E-04	8.08E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
436	1.1972E-06	1.6486E-06	6.05E-04	9.98E-10	14.00	4.71E-02	6.58E-10	1,000,000	6.58E-04
437	1.1972E-06	2.0954E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.37E-10	1,000,000	8.37E-04
438	1.1972E-06	2.7072E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
439	1.1972E-06	3.551E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
440	1.1972E-06	4.8652E-06	6.05E-04	2.94E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
441	1.1972E-06	6.9294E-06	6.05E-04	4.19E-09	14.00	4.71E-02	2.77E-09	1,000,000	2.77E-03
442	1.1972E-06	9.776E-06	6.05E-04	5.92E-09	14.00	4.71E-02	3.90E-09	1,000,000	3.90E-03
443	1.1972E-06	1.2502E-05	6.05E-04	7.56E-09	14.00	4.71E-02	4.99E-09	1,000,000	4.99E-03
444	1.1972E-06	1.4135E-05	6.05E-04	8.55E-09	14.00	4.71E-02	5.64E-09	1,000,000	5.64E-03
445	1.1972E-06	1.4561E-05	6.05E-04	8.81E-09	14.00	4.71E-02	5.81E-09	1,000,000	5.81E-03
446	1.1972E-06	1.3763E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
447	1.1972E-06	1.1564E-05	6.05E-04	7.00E-09	14.00	4.71E-02	4.62E-09	1,000,000	4.62E-03
448	1.1972E-06	8.6045E-06	6.05E-04	5.21E-09	14.00	4.71E-02	3.44E-09	1,000,000	3.44E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.1972E-06	6.1636E-06	6.05E-04	3.73E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
450	1.1972E-06	4.5008E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
451	1.1972E-06	3.3845E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
452	1.1972E-06	2.6499E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
453	1.1972E-06	1.2689E-06	6.05E-04	7.68E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
454	1.1972E-06	1.5998E-06	6.05E-04	9.68E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
455	1.1972E-06	2.1042E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.40E-10	1,000,000	8.40E-04
456	1.1972E-06	2.8261E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
457	1.1972E-06	3.9329E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
458	1.1972E-06	5.8643E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
459	1.1972E-06	9.9227E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
460	1.1972E-06	1.8789E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.50E-09	1,000,000	7.50E-03
461	1.1972E-06	2.767E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
462	1.1972E-06	3.1476E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
463	1.1972E-06	3.2505E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
464	1.1972E-06	3.1072E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
465	1.1972E-06	2.415E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.64E-09	1,000,000	9.64E-03
466	1.1972E-06	1.4128E-05	6.05E-04	8.55E-09	14.00	4.71E-02	5.64E-09	1,000,000	5.64E-03
467	1.1972E-06	8.4127E-06	6.05E-04	5.09E-09	14.00	4.71E-02	3.36E-09	1,000,000	3.36E-03
468	1.1972E-06	5.5415E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
469	1.1972E-06	3.9531E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
470	1.1972E-06	2.9851E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
471	1.1972E-06	1.166E-06	6.05E-04	7.05E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
472	1.1972E-06	1.4965E-06	6.05E-04	9.05E-10	14.00	4.71E-02	5.98E-10	1,000,000	5.98E-04
473	1.1972E-06	1.9742E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.88E-10	1,000,000	7.88E-04
474	1.1972E-06	2.6675E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
475	1.1972E-06	3.7949E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
476	1.1972E-06	2.5183E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
477	1.1972E-06	1.1095E-05	6.05E-04	6.71E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03
478	1.1972E-06	6.6171E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
479	1.1972E-06	4.4901E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
480	1.1972E-06	3.2896E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
481	1.1972E-06	1.0633E-06	6.05E-04	6.43E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.1972E-06	1.3696E-06	6.05E-04	8.29E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
483	1.1972E-06	1.7353E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.93E-10	1,000,000	6.93E-04
484	1.1972E-06	2.3156E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.25E-10	1,000,000	9.25E-04
485	1.1972E-06	3.4183E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
486	1.1972E-06	2.6869E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
487	1.1972E-06	1.1862E-05	6.05E-04	7.18E-09	14.00	4.71E-02	4.74E-09	1,000,000	4.74E-03
488	1.1972E-06	6.9916E-06	6.05E-04	4.23E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
489	1.1972E-06	4.7252E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
490	1.1972E-06	3.4498E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
491	1.1972E-06	9.3206E-07	6.05E-04	5.64E-10	14.00	4.71E-02	3.72E-10	1,000,000	3.72E-04
492	1.1972E-06	1.1721E-06	6.05E-04	7.09E-10	14.00	4.71E-02	4.68E-10	1,000,000	4.68E-04
493	1.1972E-06	1.4665E-06	6.05E-04	8.87E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
494	1.1972E-06	1.9515E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.79E-10	1,000,000	7.79E-04
495	1.1972E-06	2.7479E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
496	1.1972E-06	1.0145E-05	6.05E-04	6.14E-09	14.00	4.71E-02	4.05E-09	1,000,000	4.05E-03
497	1.1972E-06	1.2993E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.19E-09	1,000,000	5.19E-03
498	1.1972E-06	2.0327E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.12E-09	1,000,000	8.12E-03
499	1.1972E-06	1.4527E-05	6.05E-04	8.79E-09	14.00	4.71E-02	5.80E-09	1,000,000	5.80E-03
500	1.1972E-06	9.2454E-06	6.05E-04	5.59E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
501	1.1972E-06	6.2223E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
502	1.1972E-06	4.4565E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
503	1.1972E-06	3.3546E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
504	1.1972E-06	8.1556E-07	6.05E-04	4.93E-10	14.00	4.71E-02	3.26E-10	1,000,000	3.26E-04
505	1.1972E-06	9.7274E-07	6.05E-04	5.89E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
506	1.1972E-06	1.2521E-06	6.05E-04	7.58E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
507	1.1972E-06	1.5602E-06	6.05E-04	9.44E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
508	1.1972E-06	2.1633E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
509	1.1972E-06	2.9281E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
510	1.1972E-06	4.0128E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
511	1.1972E-06	5.4671E-06	6.05E-04	3.31E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03
512	1.1972E-06	7.2956E-06	6.05E-04	4.41E-09	14.00	4.71E-02	2.91E-09	1,000,000	2.91E-03
513	1.1972E-06	8.5461E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
514	1.1972E-06	9.6777E-06	6.05E-04	5.86E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.1972E-06	1.0157E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
516	1.1972E-06	9.868E-06	6.05E-04	5.97E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
517	1.1972E-06	8.2672E-06	6.05E-04	5.00E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
518	1.1972E-06	6.4367E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
519	1.1972E-06	4.9438E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
520	1.1972E-06	3.8385E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
521	1.1972E-06	3.0381E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
522	1.1972E-06	7.0407E-07	6.05E-04	4.26E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
523	1.1972E-06	8.5058E-07	6.05E-04	5.15E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
524	1.1972E-06	1.0392E-06	6.05E-04	6.29E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
525	1.1972E-06	1.278E-06	6.05E-04	7.73E-10	14.00	4.71E-02	5.10E-10	1,000,000	5.10E-04
526	1.1972E-06	1.55E-06	6.05E-04	9.38E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
527	1.1972E-06	2.1274E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.50E-10	1,000,000	8.50E-04
528	1.1972E-06	2.7568E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
529	1.1972E-06	3.5217E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
530	1.1972E-06	4.4082E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
531	1.1972E-06	5.2344E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
532	1.1972E-06	5.8038E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
533	1.1972E-06	6.2259E-06	6.05E-04	3.77E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
534	1.1972E-06	5.7049E-06	6.05E-04	3.45E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
535	1.1972E-06	5.2181E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
536	1.1972E-06	4.535E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
537	1.1972E-06	3.8356E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
538	1.1972E-06	3.1678E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
539	1.1972E-06	2.631E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
540	1.1972E-06	6.0951E-07	6.05E-04	3.69E-10	14.00	4.71E-02	2.43E-10	1,000,000	2.43E-04
541	1.1972E-06	7.2132E-07	6.05E-04	4.36E-10	14.00	4.71E-02	2.88E-10	1,000,000	2.88E-04
542	1.1972E-06	8.5849E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
543	1.1972E-06	1.0316E-06	6.05E-04	6.24E-10	14.00	4.71E-02	4.12E-10	1,000,000	4.12E-04
544	1.1972E-06	1.2852E-06	6.05E-04	7.78E-10	14.00	4.71E-02	5.13E-10	1,000,000	5.13E-04
545	1.1972E-06	1.5538E-06	6.05E-04	9.40E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
546	1.1972E-06	1.9446E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.77E-10	1,000,000	7.77E-04
547	1.1972E-06	2.3642E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.44E-10	1,000,000	9.44E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.1972E-06	2.9153E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
549	1.1972E-06	3.3782E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
550	1.1972E-06	3.8714E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
551	1.1972E-06	4.5463E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
552	1.1972E-06	3.8025E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
553	1.1972E-06	3.4937E-06	6.05E-04	2.11E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
554	1.1972E-06	3.1704E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
555	1.1972E-06	3.0273E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
556	1.1972E-06	2.6037E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
557	1.1972E-06	2.2387E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
558	1.1972E-06	5.2966E-07	6.05E-04	3.20E-10	14.00	4.71E-02	2.12E-10	1,000,000	2.12E-04
559	1.1972E-06	6.1707E-07	6.05E-04	3.73E-10	14.00	4.71E-02	2.46E-10	1,000,000	2.46E-04
560	1.1972E-06	7.0481E-07	6.05E-04	4.26E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
561	1.1972E-06	8.3395E-07	6.05E-04	5.05E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
562	1.1972E-06	9.7036E-07	6.05E-04	5.87E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
563	1.1972E-06	1.1553E-06	6.05E-04	6.99E-10	14.00	4.71E-02	4.61E-10	1,000,000	4.61E-04
564	1.1972E-06	1.4261E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
565	1.1972E-06	1.6733E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
566	1.1972E-06	2.0316E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.11E-10	1,000,000	8.11E-04
567	1.1972E-06	2.3339E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.32E-10	1,000,000	9.32E-04
568	1.1972E-06	2.6531E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
569	1.1972E-06	2.5568E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
570	1.1972E-06	2.4566E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.81E-10	1,000,000	9.81E-04
571	1.1972E-06	2.4415E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.75E-10	1,000,000	9.75E-04
572	1.1972E-06	2.4108E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.63E-10	1,000,000	9.63E-04
573	1.1972E-06	2.2255E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.89E-10	1,000,000	8.89E-04
574	1.1972E-06	2.0508E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.19E-10	1,000,000	8.19E-04
575	1.1972E-06	1.8857E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.53E-10	1,000,000	7.53E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.20E-06	8.4161E-07	2.50E-04	2.11E-10	1.40E+01	1.57E-02	4.63E-11	1.0E+06	4.6E-05	6.7E-04	Res	0.052	184
2	1.1972E-06	9.3238E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.13E-11	1,000,000	5.13E-05	7.4E-04			
3	1.1972E-06	1.0356E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.70E-11	1,000,000	5.70E-05	8.2E-04			
4	1.1972E-06	1.1517E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.34E-11	1,000,000	6.34E-05	9.2E-04			
5	1.1972E-06	1.2813E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
6	1.1972E-06	1.4228E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			
7	1.1972E-06	1.571E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.65E-11	1,000,000	8.65E-05	1.3E-03			
8	1.1972E-06	1.7198E-06	2.50E-04	4.30E-10	14.00	1.57E-02	9.47E-11	1,000,000	9.47E-05	1.4E-03			
9	1.1972E-06	1.8606E-06	2.50E-04	4.66E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
10	1.1972E-06	1.979E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
11	1.1972E-06	2.0627E-06	2.50E-04	5.16E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03			
12	1.1972E-06	2.1024E-06	2.50E-04	5.26E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
13	1.1972E-06	2.093E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
14	1.1972E-06	2.0357E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
15	1.1972E-06	1.9379E-06	2.50E-04	4.85E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
16	1.1972E-06	1.8088E-06	2.50E-04	4.53E-10	14.00	1.57E-02	9.96E-11	1,000,000	9.96E-05	1.4E-03			
17	1.1972E-06	1.6664E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.18E-11	1,000,000	9.18E-05	1.3E-03			
18	1.1972E-06	1.5178E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			
19	1.1972E-06	1.3708E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.55E-11	1,000,000	7.55E-05	1.1E-03			
20	1.1972E-06	1.236E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.81E-11	1,000,000	6.81E-05	9.8E-04			
21	1.1972E-06	1.1125E-06	2.50E-04	2.78E-10	14.00	1.57E-02	6.13E-11	1,000,000	6.13E-05	8.9E-04			
22	1.1972E-06	1.0004E-06	2.50E-04	2.50E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
23	1.1972E-06	9.0288E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.97E-11	1,000,000	4.97E-05	7.2E-04			
24	1.1972E-06	1.0105E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			
25	1.1972E-06	1.1357E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.25E-11	1,000,000	6.25E-05	9.0E-04			
26	1.1972E-06	1.281E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.1972E-06	1.4477E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.97E-11	1,000,000	7.97E-05	1.2E-03			
28	1.1972E-06	1.6368E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.01E-11	1,000,000	9.01E-05	1.3E-03			
29	1.1972E-06	1.8418E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
30	1.1972E-06	2.0572E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
31	1.1972E-06	2.2645E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
32	1.1972E-06	2.4443E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
33	1.1972E-06	2.5725E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
34	1.1972E-06	2.6371E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
35	1.1972E-06	2.6252E-06	2.50E-04	6.57E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
36	1.1972E-06	2.5391E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
37	1.1972E-06	2.3812E-06	2.50E-04	5.96E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
38	1.1972E-06	2.1883E-06	2.50E-04	5.48E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
39	1.1972E-06	1.9818E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
40	1.1972E-06	1.7713E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.75E-11	1,000,000	9.75E-05	1.4E-03			
41	1.1972E-06	1.5709E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.65E-11	1,000,000	8.65E-05	1.3E-03			
42	1.1972E-06	1.3896E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.65E-11	1,000,000	7.65E-05	1.1E-03			
43	1.1972E-06	1.2298E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.77E-11	1,000,000	6.77E-05	9.8E-04			
44	1.1972E-06	1.0974E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.04E-11	1,000,000	6.04E-05	8.7E-04			
45	1.1972E-06	9.6435E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.31E-11	1,000,000	5.31E-05	7.7E-04			
46	1.1972E-06	1.0908E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
47	1.1972E-06	1.242E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.84E-11	1,000,000	6.84E-05	9.9E-04			
48	1.1972E-06	1.423E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			
49	1.1972E-06	1.6384E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
50	1.1972E-06	1.8918E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
51	1.1972E-06	2.1822E-06	2.50E-04	5.46E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
52	1.1972E-06	2.4992E-06	2.50E-04	6.25E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.1972E-06	2.821E-06	2.50E-04	7.06E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
54	1.1972E-06	3.1067E-06	2.50E-04	7.78E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
55	1.1972E-06	3.3182E-06	2.50E-04	8.30E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
56	1.1972E-06	3.4228E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
57	1.1972E-06	3.4008E-06	2.50E-04	8.51E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
58	1.1972E-06	3.2653E-06	2.50E-04	8.17E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
59	1.1972E-06	3.0099E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
60	1.1972E-06	2.7047E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
61	1.1972E-06	2.3905E-06	2.50E-04	5.98E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
62	1.1972E-06	2.0832E-06	2.50E-04	5.21E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
63	1.1972E-06	1.807E-06	2.50E-04	4.52E-10	14.00	1.57E-02	9.95E-11	1,000,000	9.95E-05	1.4E-03			
64	1.1972E-06	1.5693E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.64E-11	1,000,000	8.64E-05	1.2E-03			
65	1.1972E-06	1.3695E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.54E-11	1,000,000	7.54E-05	1.1E-03			
66	1.1972E-06	1.2021E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.62E-11	1,000,000	6.62E-05	9.6E-04			
67	1.1972E-06	1.0234E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
68	1.1972E-06	1.1701E-06	2.50E-04	2.93E-10	14.00	1.57E-02	6.44E-11	1,000,000	6.44E-05	9.3E-04			
69	1.1972E-06	1.3502E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.43E-11	1,000,000	7.43E-05	1.1E-03			
70	1.1972E-06	1.5732E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.66E-11	1,000,000	8.66E-05	1.3E-03			
71	1.1972E-06	1.8504E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
72	1.1972E-06	2.1936E-06	2.50E-04	5.49E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
73	1.1972E-06	2.611E-06	2.50E-04	6.53E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
74	1.1972E-06	3.0945E-06	2.50E-04	7.74E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
75	1.1972E-06	3.6132E-06	2.50E-04	9.04E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
76	1.1972E-06	4.1018E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.26E-10	1,000,000	2.26E-04	3.3E-03			
77	1.1972E-06	4.4762E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
78	1.1972E-06	4.6692E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
79	1.1972E-06	4.6248E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
80	1.1972E-06	4.3667E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
81	1.1972E-06	3.941E-06	2.50E-04	9.86E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
82	1.1972E-06	3.4424E-06	2.50E-04	8.62E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
83	1.1972E-06	2.9303E-06	2.50E-04	7.33E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
84	1.1972E-06	2.475E-06	2.50E-04	6.19E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
85	1.1972E-06	2.0776E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.1972E-06	1.7714E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.75E-11	1,000,000	9.75E-05	1.4E-03			
87	1.1972E-06	1.5171E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.35E-11	1,000,000	8.35E-05	1.2E-03			
88	1.1972E-06	1.3133E-06	2.50E-04	3.29E-10	14.00	1.57E-02	7.23E-11	1,000,000	7.23E-05	1.0E-03			
89	1.1972E-06	1.0617E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.85E-11	1,000,000	5.85E-05	8.5E-04			
90	1.1972E-06	1.2441E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.85E-11	1,000,000	6.85E-05	9.9E-04			
91	1.1972E-06	1.4545E-06	2.50E-04	3.64E-10	14.00	1.57E-02	8.01E-11	1,000,000	8.01E-05	1.2E-03			
92	1.1972E-06	1.7242E-06	2.50E-04	4.32E-10	14.00	1.57E-02	9.49E-11	1,000,000	9.49E-05	1.4E-03			
93	1.1972E-06	2.0755E-06	2.50E-04	5.19E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
94	1.1972E-06	2.5379E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
95	1.1972E-06	3.144E-06	2.50E-04	7.87E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
96	1.1972E-06	3.9135E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
97	1.1972E-06	4.8149E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
98	1.1972E-06	5.7123E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.15E-10	1,000,000	3.15E-04	4.5E-03			
99	1.1972E-06	6.4082E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
100	1.1972E-06	6.7607E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.72E-10	1,000,000	3.72E-04	5.4E-03			
101	1.1972E-06	6.6875E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.68E-10	1,000,000	3.68E-04	5.3E-03			
102	1.1972E-06	6.1998E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
103	1.1972E-06	5.4105E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.3E-03			
104	1.1972E-06	4.495E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
105	1.1972E-06	3.6556E-06	2.50E-04	9.15E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
106	1.1972E-06	2.958E-06	2.50E-04	7.40E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
107	1.1972E-06	2.4117E-06	2.50E-04	6.04E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
108	1.1972E-06	1.9958E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
109	1.1972E-06	1.6759E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.23E-11	1,000,000	9.23E-05	1.3E-03			
110	1.1972E-06	1.4305E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.88E-11	1,000,000	7.88E-05	1.1E-03			
111	1.1972E-06	1.0587E-06	2.50E-04	2.65E-10	14.00	1.57E-02	5.83E-11	1,000,000	5.83E-05	8.4E-04			
112	1.1972E-06	1.2654E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.97E-11	1,000,000	6.97E-05	1.0E-03			
113	1.1972E-06	1.4792E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
114	1.1972E-06	1.7993E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.91E-11	1,000,000	9.91E-05	1.4E-03			
115	1.1972E-06	2.2802E-06	2.50E-04	5.71E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
116	1.1972E-06	2.9061E-06	2.50E-04	7.27E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
117	1.1972E-06	3.7855E-06	2.50E-04	9.47E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
118	1.1972E-06	5.0604E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.1972E-06	6.7787E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
120	1.1972E-06	8.6586E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
121	1.1972E-06	1.0131E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.58E-10	1,000,000	5.58E-04	8.1E-03			
122	1.1972E-06	1.0819E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.96E-10	1,000,000	5.96E-04	8.6E-03			
123	1.1972E-06	1.0686E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.88E-10	1,000,000	5.88E-04	8.5E-03			
124	1.1972E-06	9.6795E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			
125	1.1972E-06	7.9762E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.39E-10	1,000,000	4.39E-04	6.4E-03			
126	1.1972E-06	6.1239E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.37E-10	1,000,000	3.37E-04	4.9E-03			
127	1.1972E-06	4.632E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
128	1.1972E-06	3.5513E-06	2.50E-04	8.89E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
129	1.1972E-06	2.7841E-06	2.50E-04	6.97E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
130	1.1972E-06	2.2441E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
131	1.1972E-06	1.8469E-06	2.50E-04	4.62E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
132	1.1972E-06	1.5525E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.55E-11	1,000,000	8.55E-05	1.2E-03			
133	1.1972E-06	1.015E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.59E-11	1,000,000	5.59E-05	8.1E-04			
134	1.1972E-06	1.2118E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.67E-11	1,000,000	6.67E-05	9.7E-04			
135	1.1972E-06	1.4579E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.03E-11	1,000,000	8.03E-05	1.2E-03			
136	1.1972E-06	1.8657E-06	2.50E-04	4.67E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
137	1.1972E-06	2.4535E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
138	1.1972E-06	3.2462E-06	2.50E-04	8.12E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
139	1.1972E-06	4.4741E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
140	1.1972E-06	6.6169E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
141	1.1972E-06	1.0425E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.74E-10	1,000,000	5.74E-04	8.3E-03			
142	1.1972E-06	1.5514E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
143	1.1972E-06	1.9093E-05	2.50E-04	4.78E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
144	1.1972E-06	2.0556E-05	2.50E-04	5.14E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
145	1.1972E-06	2.0383E-05	2.50E-04	5.10E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
146	1.1972E-06	1.806E-05	2.50E-04	4.52E-09	14.00	1.57E-02	9.94E-10	1,000,000	9.94E-04	1.4E-02			
147	1.1972E-06	1.3332E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.34E-10	1,000,000	7.34E-04	1.1E-02			
148	1.1972E-06	8.7926E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.84E-10	1,000,000	4.84E-04	7.0E-03			
149	1.1972E-06	5.9574E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
150	1.1972E-06	4.2524E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
151	1.1972E-06	3.1954E-06	2.50E-04	8.00E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.1972E-06	2.5057E-06	2.50E-04	6.27E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
153	1.1972E-06	2.024E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
154	1.1972E-06	1.6761E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.23E-11	1,000,000	9.23E-05	1.3E-03			
155	1.1972E-06	8.9175E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.91E-11	1,000,000	4.91E-05	7.1E-04			
156	1.1972E-06	1.0821E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
157	1.1972E-06	1.3793E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.59E-11	1,000,000	7.59E-05	1.1E-03			
158	1.1972E-06	1.7249E-06	2.50E-04	4.32E-10	14.00	1.57E-02	9.50E-11	1,000,000	9.50E-05	1.4E-03			
159	1.1972E-06	2.3463E-06	2.50E-04	5.87E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
160	1.1972E-06	3.2469E-06	2.50E-04	8.13E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
161	1.1972E-06	4.8061E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
162	1.1972E-06	8.2052E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.52E-10	1,000,000	4.52E-04	6.5E-03			
163	1.1972E-06	1.8595E-05	2.50E-04	4.65E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
164	1.1972E-06	4.8444E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.67E-09	1,000,000	2.67E-03	3.9E-02			
165	1.1972E-06	5.9566E-05	2.50E-04	1.49E-08	14.00	1.57E-02	3.28E-09	1,000,000	3.28E-03	4.7E-02			
166	1.1972E-06	6.2495E-05	2.50E-04	1.56E-08	14.00	1.57E-02	3.44E-09	1,000,000	3.44E-03	5.0E-02			
167	1.1972E-06	6.2488E-05	2.50E-04	1.56E-08	14.00	1.57E-02	3.44E-09	1,000,000	3.44E-03	5.0E-02			
168	1.1972E-06	5.7516E-05	2.50E-04	1.44E-08	14.00	1.57E-02	3.17E-09	1,000,000	3.17E-03	4.6E-02			
169	1.1972E-06	2.9362E-05	2.50E-04	7.35E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.3E-02			
170	1.1972E-06	1.3232E-05	2.50E-04	3.31E-09	14.00	1.57E-02	7.29E-10	1,000,000	7.29E-04	1.1E-02			
171	1.1972E-06	7.5769E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.17E-10	1,000,000	4.17E-04	6.0E-03			
172	1.1972E-06	5.0314E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
173	1.1972E-06	3.6248E-06	2.50E-04	9.07E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
174	1.1972E-06	2.7652E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
175	1.1972E-06	2.1971E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
176	1.1972E-06	1.7962E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.89E-11	1,000,000	9.89E-05	1.4E-03			
177	1.1972E-06	8.3277E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.59E-11	1,000,000	4.59E-05	6.6E-04			
178	1.1972E-06	1.026E-06	2.50E-04	2.57E-10	14.00	1.57E-02	5.65E-11	1,000,000	5.65E-05	8.2E-04			
179	1.1972E-06	1.3089E-06	2.50E-04	3.28E-10	14.00	1.57E-02	7.21E-11	1,000,000	7.21E-05	1.0E-03			
180	1.1972E-06	1.6938E-06	2.50E-04	4.24E-10	14.00	1.57E-02	9.33E-11	1,000,000	9.33E-05	1.3E-03			
181	1.1972E-06	2.2625E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
182	1.1972E-06	3.0969E-06	2.50E-04	7.75E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
183	1.1972E-06	4.6247E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
184	1.1972E-06	6.5057E-05	2.50E-04	1.63E-08	14.00	1.57E-02	3.58E-09	1,000,000	3.58E-03	5.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.1972E-06	1.7367E-05	2.50E-04	4.35E-09	14.00	1.57E-02	9.56E-10	1,000,000	9.56E-04	1.4E-02			
186	1.1972E-06	8.9023E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.1E-03			
187	1.1972E-06	5.6147E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.09E-10	1,000,000	3.09E-04	4.5E-03			
188	1.1972E-06	3.9438E-06	2.50E-04	9.87E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
189	1.1972E-06	2.9633E-06	2.50E-04	7.42E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
190	1.1972E-06	2.3277E-06	2.50E-04	5.83E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
191	1.1972E-06	1.8878E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
192	1.1972E-06	7.4766E-07	2.50E-04	1.87E-10	14.00	1.57E-02	4.12E-11	1,000,000	4.12E-05	6.0E-04			
193	1.1972E-06	9.0442E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.98E-11	1,000,000	4.98E-05	7.2E-04			
194	1.1972E-06	1.1483E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.32E-11	1,000,000	6.32E-05	9.1E-04			
195	1.1972E-06	1.4693E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.09E-11	1,000,000	8.09E-05	1.2E-03			
196	1.1972E-06	1.955E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
197	1.1972E-06	2.6009E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
198	1.1972E-06	3.7954E-06	2.50E-04	9.50E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
199	1.1972E-06	1.6902E-05	2.50E-04	4.23E-09	14.00	1.57E-02	9.31E-10	1,000,000	9.31E-04	1.3E-02			
200	1.1972E-06	3.0814E-05	2.50E-04	7.71E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
201	1.1972E-06	1.4461E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.96E-10	1,000,000	7.96E-04	1.2E-02			
202	1.1972E-06	8.3773E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.7E-03			
203	1.1972E-06	5.5397E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
204	1.1972E-06	3.9699E-06	2.50E-04	9.94E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
205	1.1972E-06	3.0075E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
206	1.1972E-06	2.3711E-06	2.50E-04	5.93E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
207	1.1972E-06	1.927E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
208	1.1972E-06	6.7076E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.69E-11	1,000,000	3.69E-05	5.3E-04			
209	1.1972E-06	8.023E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.42E-11	1,000,000	4.42E-05	6.4E-04			
210	1.1972E-06	9.4894E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.22E-11	1,000,000	5.22E-05	7.6E-04			
211	1.1972E-06	1.2096E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			
212	1.1972E-06	1.5396E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.48E-11	1,000,000	8.48E-05	1.2E-03			
213	1.1972E-06	2.0749E-06	2.50E-04	5.19E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
214	1.1972E-06	2.9321E-06	2.50E-04	7.34E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
215	1.1972E-06	4.1433E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
216	1.1972E-06	6.4209E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
217	1.1972E-06	8.6353E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.75E-10	1,000,000	4.75E-04	6.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.1972E-06	1.4E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.1E-02			
219	1.1972E-06	1.2266E-05	2.50E-04	3.07E-09	14.00	1.57E-02	6.75E-10	1,000,000	6.75E-04	9.8E-03			
220	1.1972E-06	9.1194E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.02E-10	1,000,000	5.02E-04	7.3E-03			
221	1.1972E-06	6.551E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.61E-10	1,000,000	3.61E-04	5.2E-03			
222	1.1972E-06	4.8085E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
223	1.1972E-06	3.6486E-06	2.50E-04	9.13E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
224	1.1972E-06	2.8572E-06	2.50E-04	7.15E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
225	1.1972E-06	2.2984E-06	2.50E-04	5.75E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
226	1.1972E-06	1.892E-06	2.50E-04	4.74E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
227	1.1972E-06	5.9655E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.28E-11	1,000,000	3.28E-05	4.8E-04			
228	1.1972E-06	6.9772E-07	2.50E-04	1.75E-10	14.00	1.57E-02	3.84E-11	1,000,000	3.84E-05	5.6E-04			
229	1.1972E-06	8.2664E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.55E-11	1,000,000	4.55E-05	6.6E-04			
230	1.1972E-06	1.0079E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
231	1.1972E-06	1.2572E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.92E-11	1,000,000	6.92E-05	1.0E-03			
232	1.1972E-06	1.5655E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.62E-11	1,000,000	8.62E-05	1.2E-03			
233	1.1972E-06	2.1474E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
234	1.1972E-06	2.876E-06	2.50E-04	7.20E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
235	1.1972E-06	3.8529E-06	2.50E-04	9.64E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
236	1.1972E-06	4.9859E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	4.0E-03			
237	1.1972E-06	6.155E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
238	1.1972E-06	7.0816E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.90E-10	1,000,000	3.90E-04	5.6E-03			
239	1.1972E-06	7.6964E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
240	1.1972E-06	7.5574E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.0E-03			
241	1.1972E-06	7.1364E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.7E-03			
242	1.1972E-06	5.7843E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
243	1.1972E-06	4.8421E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
244	1.1972E-06	3.8955E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
245	1.1972E-06	3.1445E-06	2.50E-04	7.87E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
246	1.1972E-06	2.5694E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
247	1.1972E-06	2.1291E-06	2.50E-04	5.33E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
248	1.1972E-06	1.7894E-06	2.50E-04	4.48E-10	14.00	1.57E-02	9.85E-11	1,000,000	9.85E-05	1.4E-03			
249	1.1972E-06	5.3235E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.93E-11	1,000,000	2.93E-05	4.2E-04			
250	1.1972E-06	6.1125E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.37E-11	1,000,000	3.37E-05	4.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.1972E-06	7.0886E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.90E-11	1,000,000	3.90E-05	5.6E-04			
252	1.1972E-06	8.5131E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
253	1.1972E-06	1.0246E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
254	1.1972E-06	1.2975E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
255	1.1972E-06	1.6052E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.84E-11	1,000,000	8.84E-05	1.3E-03			
256	1.1972E-06	2.1162E-06	2.50E-04	5.30E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
257	1.1972E-06	2.6043E-06	2.50E-04	6.52E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
258	1.1972E-06	3.1476E-06	2.50E-04	7.88E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
259	1.1972E-06	3.8373E-06	2.50E-04	9.60E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
260	1.1972E-06	4.5019E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.48E-10	1,000,000	2.48E-04	3.6E-03			
261	1.1972E-06	4.8842E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
262	1.1972E-06	4.8059E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
263	1.1972E-06	4.4325E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
264	1.1972E-06	3.9851E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
265	1.1972E-06	3.6565E-06	2.50E-04	9.15E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
266	1.1972E-06	3.1236E-06	2.50E-04	7.82E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
267	1.1972E-06	2.6383E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
268	1.1972E-06	2.2384E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
269	1.1972E-06	1.911E-06	2.50E-04	4.78E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
270	1.1972E-06	1.6433E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.05E-11	1,000,000	9.05E-05	1.3E-03			
271	1.1972E-06	4.6592E-07	2.50E-04	1.17E-10	14.00	1.57E-02	2.57E-11	1,000,000	2.57E-05	3.7E-04			
272	1.1972E-06	5.2715E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.90E-11	1,000,000	2.90E-05	4.2E-04			
273	1.1972E-06	6.0853E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.35E-11	1,000,000	3.35E-05	4.8E-04			
274	1.1972E-06	7.0862E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.90E-11	1,000,000	3.90E-05	5.6E-04			
275	1.1972E-06	8.3647E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.61E-11	1,000,000	4.61E-05	6.7E-04			
276	1.1972E-06	1.0157E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.59E-11	1,000,000	5.59E-05	8.1E-04			
277	1.1972E-06	1.2334E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.79E-11	1,000,000	6.79E-05	9.8E-04			
278	1.1972E-06	1.4781E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
279	1.1972E-06	1.8054E-06	2.50E-04	4.52E-10	14.00	1.57E-02	9.94E-11	1,000,000	9.94E-05	1.4E-03			
280	1.1972E-06	2.169E-06	2.50E-04	5.43E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
281	1.1972E-06	2.6007E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
282	1.1972E-06	3.017E-06	2.50E-04	7.55E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
283	1.1972E-06	3.2469E-06	2.50E-04	8.13E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.1972E-06	3.0027E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
285	1.1972E-06	3.0009E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
286	1.1972E-06	2.8328E-06	2.50E-04	7.09E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
287	1.1972E-06	2.614E-06	2.50E-04	6.54E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
288	1.1972E-06	2.4157E-06	2.50E-04	6.05E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
289	1.1972E-06	2.1788E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
290	1.1972E-06	1.9326E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
291	1.1972E-06	1.6975E-06	2.50E-04	4.25E-10	14.00	1.57E-02	9.35E-11	1,000,000	9.35E-05	1.4E-03			
292	1.1972E-06	1.4816E-06	2.50E-04	3.71E-10	14.00	1.57E-02	8.16E-11	1,000,000	8.16E-05	1.2E-03			
293	1.1972E-06	4.1065E-07	2.50E-04	1.03E-10	14.00	1.57E-02	2.26E-11	1,000,000	2.26E-05	3.3E-04			
294	1.1972E-06	4.6218E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.54E-11	1,000,000	2.54E-05	3.7E-04			
295	1.1972E-06	5.2336E-07	2.50E-04	1.31E-10	14.00	1.57E-02	2.88E-11	1,000,000	2.88E-05	4.2E-04			
296	1.1972E-06	5.9331E-07	2.50E-04	1.48E-10	14.00	1.57E-02	3.27E-11	1,000,000	3.27E-05	4.7E-04			
297	1.1972E-06	6.9464E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.82E-11	1,000,000	3.82E-05	5.5E-04			
298	1.1972E-06	8.125E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.47E-11	1,000,000	4.47E-05	6.5E-04			
299	1.1972E-06	9.589E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.28E-11	1,000,000	5.28E-05	7.6E-04			
300	1.1972E-06	1.1579E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
301	1.1972E-06	1.3218E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.28E-11	1,000,000	7.28E-05	1.1E-03			
302	1.1972E-06	1.5811E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
303	1.1972E-06	1.8394E-06	2.50E-04	4.60E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
304	1.1972E-06	2.1264E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
305	1.1972E-06	2.2361E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
306	1.1972E-06	2.1422E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
307	1.1972E-06	2.0918E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
308	1.1972E-06	1.991E-06	2.50E-04	4.98E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
309	1.1972E-06	2.0594E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
310	1.1972E-06	1.8984E-06	2.50E-04	4.75E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
311	1.1972E-06	1.7654E-06	2.50E-04	4.42E-10	14.00	1.57E-02	9.72E-11	1,000,000	9.72E-05	1.4E-03			
312	1.1972E-06	1.6455E-06	2.50E-04	4.12E-10	14.00	1.57E-02	9.06E-11	1,000,000	9.06E-05	1.3E-03			
313	1.1972E-06	1.4932E-06	2.50E-04	3.74E-10	14.00	1.57E-02	8.22E-11	1,000,000	8.22E-05	1.2E-03			
314	1.1972E-06	1.3573E-06	2.50E-04	3.40E-10	14.00	1.57E-02	7.47E-11	1,000,000	7.47E-05	1.1E-03			
315	1.1972E-06	3.5573E-07	2.50E-04	8.90E-11	14.00	1.57E-02	1.96E-11	1,000,000	1.96E-05	2.8E-04			
316	1.1972E-06	3.9809E-07	2.50E-04	9.96E-11	14.00	1.57E-02	2.19E-11	1,000,000	2.19E-05	3.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.1972E-06	4.4568E-07	2.50E-04	1.12E-10	14.00	1.57E-02	2.45E-11	1,000,000	2.45E-05	3.5E-04			
318	1.1972E-06	4.9967E-07	2.50E-04	1.25E-10	14.00	1.57E-02	2.75E-11	1,000,000	2.75E-05	4.0E-04			
319	1.1972E-06	5.5941E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.08E-11	1,000,000	3.08E-05	4.5E-04			
320	1.1972E-06	6.6702E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.67E-11	1,000,000	3.67E-05	5.3E-04			
321	1.1972E-06	7.6051E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.19E-11	1,000,000	4.19E-05	6.1E-04			
322	1.1972E-06	8.8297E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
323	1.1972E-06	1.0407E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
324	1.1972E-06	1.1957E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.58E-11	1,000,000	6.58E-05	9.5E-04			
325	1.1972E-06	1.3607E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
326	1.1972E-06	1.5404E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.48E-11	1,000,000	8.48E-05	1.2E-03			
327	1.1972E-06	1.885E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
328	1.1972E-06	1.5599E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.59E-11	1,000,000	8.59E-05	1.2E-03			
329	1.1972E-06	1.5276E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.41E-11	1,000,000	8.41E-05	1.2E-03			
330	1.1972E-06	1.5163E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.35E-11	1,000,000	8.35E-05	1.2E-03			
331	1.1972E-06	1.5026E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.27E-11	1,000,000	8.27E-05	1.2E-03			
332	1.1972E-06	1.4793E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
333	1.1972E-06	1.3969E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.69E-11	1,000,000	7.69E-05	1.1E-03			
334	1.1972E-06	1.3636E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.51E-11	1,000,000	7.51E-05	1.1E-03			
335	1.1972E-06	1.28E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
336	1.1972E-06	1.1923E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.57E-11	1,000,000	6.57E-05	9.5E-04			
337	1.1972E-06	3.1583E-07	2.50E-04	7.90E-11	14.00	1.57E-02	1.74E-11	1,000,000	1.74E-05	2.5E-04			
338	1.1972E-06	3.4792E-07	2.50E-04	8.71E-11	14.00	1.57E-02	1.92E-11	1,000,000	1.92E-05	2.8E-04			
339	1.1972E-06	3.808E-07	2.50E-04	9.53E-11	14.00	1.57E-02	2.10E-11	1,000,000	2.10E-05	3.0E-04			
340	1.1972E-06	4.2886E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.36E-11	1,000,000	2.36E-05	3.4E-04			
341	1.1972E-06	4.7501E-07	2.50E-04	1.19E-10	14.00	1.57E-02	2.62E-11	1,000,000	2.62E-05	3.8E-04			
342	1.1972E-06	5.5391E-07	2.50E-04	1.39E-10	14.00	1.57E-02	3.05E-11	1,000,000	3.05E-05	4.4E-04			
343	1.1972E-06	6.1814E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.40E-11	1,000,000	3.40E-05	4.9E-04			
344	1.1972E-06	7.0942E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.91E-11	1,000,000	3.91E-05	5.7E-04			
345	1.1972E-06	8.1267E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.47E-11	1,000,000	4.47E-05	6.5E-04			
346	1.1972E-06	9.4046E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.18E-11	1,000,000	5.18E-05	7.5E-04			
347	1.1972E-06	1.0368E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.71E-11	1,000,000	5.71E-05	8.3E-04			
348	1.1972E-06	1.1382E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
349	1.1972E-06	1.0988E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.05E-11	1,000,000	6.05E-05	8.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.1972E-06	1.1252E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.20E-11	1,000,000	6.20E-05	9.0E-04			
351	1.1972E-06	1.142E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
352	1.1972E-06	1.1039E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.08E-11	1,000,000	6.08E-05	8.8E-04			
353	1.1972E-06	1.1504E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.33E-11	1,000,000	6.33E-05	9.2E-04			
354	1.1972E-06	1.123E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.18E-11	1,000,000	6.18E-05	8.9E-04			
355	1.1972E-06	1.1183E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.16E-11	1,000,000	6.16E-05	8.9E-04			
356	1.1972E-06	1.1054E-06	2.50E-04	2.77E-10	14.00	1.57E-02	6.09E-11	1,000,000	6.09E-05	8.8E-04			
357	1.1972E-06	1.0636E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.86E-11	1,000,000	5.86E-05	8.5E-04			
358	1.1972E-06	1.015E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.59E-11	1,000,000	5.59E-05	8.1E-04			
359	1.1972E-06	2.7596E-07	2.50E-04	6.91E-11	14.00	1.57E-02	1.52E-11	1,000,000	1.52E-05	2.2E-04			
360	1.1972E-06	3.037E-07	2.50E-04	7.60E-11	14.00	1.57E-02	1.67E-11	1,000,000	1.67E-05	2.4E-04			
361	1.1972E-06	3.3251E-07	2.50E-04	8.32E-11	14.00	1.57E-02	1.83E-11	1,000,000	1.83E-05	2.6E-04			
362	1.1972E-06	3.655E-07	2.50E-04	9.15E-11	14.00	1.57E-02	2.01E-11	1,000,000	2.01E-05	2.9E-04			
363	1.1972E-06	4.0003E-07	2.50E-04	1.00E-10	14.00	1.57E-02	2.20E-11	1,000,000	2.20E-05	3.2E-04			
364	1.1972E-06	4.5281E-07	2.50E-04	1.13E-10	14.00	1.57E-02	2.49E-11	1,000,000	2.49E-05	3.6E-04			
365	1.1972E-06	5.1196E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.82E-11	1,000,000	2.82E-05	4.1E-04			
366	1.1972E-06	5.8216E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.21E-11	1,000,000	3.21E-05	4.6E-04			
367	1.1972E-06	6.7018E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.69E-11	1,000,000	3.69E-05	5.3E-04			
368	1.1972E-06	7.443E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.10E-11	1,000,000	4.10E-05	5.9E-04			
369	1.1972E-06	7.9859E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.40E-11	1,000,000	4.40E-05	6.4E-04			
370	1.1972E-06	8.28E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.56E-11	1,000,000	4.56E-05	6.6E-04			
371	1.1972E-06	8.688E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.78E-11	1,000,000	4.78E-05	6.9E-04			
372	1.1972E-06	8.8682E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.88E-11	1,000,000	4.88E-05	7.1E-04			
373	1.1972E-06	8.7289E-07	2.50E-04	2.18E-10	14.00	1.57E-02	4.81E-11	1,000,000	4.81E-05	7.0E-04			
374	1.1972E-06	8.5216E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
375	1.1972E-06	8.7979E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.84E-11	1,000,000	4.84E-05	7.0E-04			
376	1.1972E-06	8.7084E-07	2.50E-04	2.18E-10	14.00	1.57E-02	4.79E-11	1,000,000	4.79E-05	6.9E-04			
377	1.1972E-06	8.7612E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.82E-11	1,000,000	4.82E-05	7.0E-04			
378	1.1972E-06	9.1318E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.03E-11	1,000,000	5.03E-05	7.3E-04			
379	1.1972E-06	9.0085E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.96E-11	1,000,000	4.96E-05	7.2E-04			
380	1.1972E-06	8.5316E-07	2.50E-04	2.14E-10	14.00	1.57E-02	4.70E-11	1,000,000	4.70E-05	6.8E-04			
381	1.1972E-06	1.2095E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			
382	1.1972E-06	1.3919E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.1972E-06	1.6139E-06	2.50E-04	4.04E-10	14.00	1.57E-02	8.89E-11	1,000,000	8.89E-05	1.3E-03			
384	1.1972E-06	1.8831E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
385	1.1972E-06	2.2049E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
386	1.1972E-06	2.5756E-06	2.50E-04	6.45E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
387	1.1972E-06	2.9759E-06	2.50E-04	7.45E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
388	1.1972E-06	3.3712E-06	2.50E-04	8.44E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
389	1.1972E-06	3.704E-06	2.50E-04	9.27E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			
390	1.1972E-06	3.9186E-06	2.50E-04	9.81E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			
391	1.1972E-06	3.9738E-06	2.50E-04	9.95E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
392	1.1972E-06	3.861E-06	2.50E-04	9.66E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
393	1.1972E-06	3.5991E-06	2.50E-04	9.01E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
394	1.1972E-06	3.2423E-06	2.50E-04	8.11E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
395	1.1972E-06	2.8362E-06	2.50E-04	7.10E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
396	1.1972E-06	2.4444E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
397	1.1972E-06	2.0945E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
398	1.1972E-06	1.7946E-06	2.50E-04	4.49E-10	14.00	1.57E-02	9.88E-11	1,000,000	9.88E-05	1.4E-03			
399	1.1972E-06	1.3002E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.16E-11	1,000,000	7.16E-05	1.0E-03			
400	1.1972E-06	1.519E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			
401	1.1972E-06	1.7962E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.89E-11	1,000,000	9.89E-05	1.4E-03			
402	1.1972E-06	2.1498E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
403	1.1972E-06	2.5984E-06	2.50E-04	6.50E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
404	1.1972E-06	3.1519E-06	2.50E-04	7.89E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
405	1.1972E-06	3.7992E-06	2.50E-04	9.51E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
406	1.1972E-06	4.4785E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
407	1.1972E-06	5.0741E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.79E-10	1,000,000	2.79E-04	4.0E-03			
408	1.1972E-06	5.4719E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.01E-10	1,000,000	3.01E-04	4.4E-03			
409	1.1972E-06	5.5763E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
410	1.1972E-06	5.3614E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
411	1.1972E-06	4.8908E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
412	1.1972E-06	4.2597E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
413	1.1972E-06	3.5808E-06	2.50E-04	8.96E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
414	1.1972E-06	2.9682E-06	2.50E-04	7.43E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
415	1.1972E-06	2.4562E-06	2.50E-04	6.15E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.1972E-06	2.0407E-06	2.50E-04	5.11E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
417	1.1972E-06	1.3545E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
418	1.1972E-06	1.6224E-06	2.50E-04	4.06E-10	14.00	1.57E-02	8.93E-11	1,000,000	8.93E-05	1.3E-03			
419	1.1972E-06	1.9776E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
420	1.1972E-06	2.434E-06	2.50E-04	6.09E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
421	1.1972E-06	3.0579E-06	2.50E-04	7.65E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
422	1.1972E-06	3.9117E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
423	1.1972E-06	5.0289E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
424	1.1972E-06	6.3141E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
425	1.1972E-06	7.4784E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
426	1.1972E-06	8.2526E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.54E-10	1,000,000	4.54E-04	6.6E-03			
427	1.1972E-06	8.4446E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
428	1.1972E-06	8.051E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.4E-03			
429	1.1972E-06	7.106E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
430	1.1972E-06	5.8477E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
431	1.1972E-06	4.6281E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
432	1.1972E-06	3.6354E-06	2.50E-04	9.10E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
433	1.1972E-06	2.8963E-06	2.50E-04	7.25E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
434	1.1972E-06	2.3355E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
435	1.1972E-06	1.3362E-06	2.50E-04	3.34E-10	14.00	1.57E-02	7.36E-11	1,000,000	7.36E-05	1.1E-03			
436	1.1972E-06	1.6486E-06	2.50E-04	4.13E-10	14.00	1.57E-02	9.08E-11	1,000,000	9.08E-05	1.3E-03			
437	1.1972E-06	2.0954E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
438	1.1972E-06	2.7072E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
439	1.1972E-06	3.551E-06	2.50E-04	8.89E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
440	1.1972E-06	4.8652E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.68E-10	1,000,000	2.68E-04	3.9E-03			
441	1.1972E-06	6.9294E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.82E-10	1,000,000	3.82E-04	5.5E-03			
442	1.1972E-06	9.776E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.38E-10	1,000,000	5.38E-04	7.8E-03			
443	1.1972E-06	1.2502E-05	2.50E-04	3.13E-09	14.00	1.57E-02	6.88E-10	1,000,000	6.88E-04	1.0E-02			
444	1.1972E-06	1.4135E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.78E-10	1,000,000	7.78E-04	1.1E-02			
445	1.1972E-06	1.4561E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.02E-10	1,000,000	8.02E-04	1.2E-02			
446	1.1972E-06	1.3763E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
447	1.1972E-06	1.1564E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.37E-10	1,000,000	6.37E-04	9.2E-03			
448	1.1972E-06	8.6045E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.74E-10	1,000,000	4.74E-04	6.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.1972E-06	6.1636E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
450	1.1972E-06	4.5008E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.48E-10	1,000,000	2.48E-04	3.6E-03			
451	1.1972E-06	3.3845E-06	2.50E-04	8.47E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
452	1.1972E-06	2.6499E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
453	1.1972E-06	1.2689E-06	2.50E-04	3.18E-10	14.00	1.57E-02	6.99E-11	1,000,000	6.99E-05	1.0E-03			
454	1.1972E-06	1.5998E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
455	1.1972E-06	2.1042E-06	2.50E-04	5.27E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
456	1.1972E-06	2.8261E-06	2.50E-04	7.07E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
457	1.1972E-06	3.9329E-06	2.50E-04	9.84E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
458	1.1972E-06	5.8643E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
459	1.1972E-06	9.9227E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
460	1.1972E-06	1.8789E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
461	1.1972E-06	2.767E-05	2.50E-04	6.93E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
462	1.1972E-06	3.1476E-05	2.50E-04	7.88E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
463	1.1972E-06	3.2505E-05	2.50E-04	8.14E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.6E-02			
464	1.1972E-06	3.1072E-05	2.50E-04	7.78E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
465	1.1972E-06	2.415E-05	2.50E-04	6.04E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
466	1.1972E-06	1.4128E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.78E-10	1,000,000	7.78E-04	1.1E-02			
467	1.1972E-06	8.4127E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.63E-10	1,000,000	4.63E-04	6.7E-03			
468	1.1972E-06	5.5415E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
469	1.1972E-06	3.9531E-06	2.50E-04	9.89E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.1E-03			
470	1.1972E-06	2.9851E-06	2.50E-04	7.47E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
471	1.1972E-06	1.166E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.42E-11	1,000,000	6.42E-05	9.3E-04			
472	1.1972E-06	1.4965E-06	2.50E-04	3.75E-10	14.00	1.57E-02	8.24E-11	1,000,000	8.24E-05	1.2E-03			
473	1.1972E-06	1.9742E-06	2.50E-04	4.94E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
474	1.1972E-06	2.6675E-06	2.50E-04	6.68E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
475	1.1972E-06	3.7949E-06	2.50E-04	9.50E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
476	1.1972E-06	2.5183E-05	2.50E-04	6.30E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
477	1.1972E-06	1.1095E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.11E-10	1,000,000	6.11E-04	8.8E-03			
478	1.1972E-06	6.6171E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
479	1.1972E-06	4.4901E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
480	1.1972E-06	3.2896E-06	2.50E-04	8.23E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
481	1.1972E-06	1.0633E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.85E-11	1,000,000	5.85E-05	8.5E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.1972E-06	1.3696E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.54E-11	1,000,000	7.54E-05	1.1E-03			
483	1.1972E-06	1.7353E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.55E-11	1,000,000	9.55E-05	1.4E-03			
484	1.1972E-06	2.3156E-06	2.50E-04	5.80E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
485	1.1972E-06	3.4183E-06	2.50E-04	8.56E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
486	1.1972E-06	2.6869E-05	2.50E-04	6.72E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
487	1.1972E-06	1.1862E-05	2.50E-04	2.97E-09	14.00	1.57E-02	6.53E-10	1,000,000	6.53E-04	9.4E-03			
488	1.1972E-06	6.9916E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			
489	1.1972E-06	4.7252E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
490	1.1972E-06	3.4498E-06	2.50E-04	8.63E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
491	1.1972E-06	9.3206E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.13E-11	1,000,000	5.13E-05	7.4E-04			
492	1.1972E-06	1.1721E-06	2.50E-04	2.93E-10	14.00	1.57E-02	6.45E-11	1,000,000	6.45E-05	9.3E-04			
493	1.1972E-06	1.4665E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.07E-11	1,000,000	8.07E-05	1.2E-03			
494	1.1972E-06	1.9515E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
495	1.1972E-06	2.7479E-06	2.50E-04	6.88E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
496	1.1972E-06	1.0145E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
497	1.1972E-06	1.2993E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.0E-02			
498	1.1972E-06	2.0327E-05	2.50E-04	5.09E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
499	1.1972E-06	1.4527E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.00E-10	1,000,000	8.00E-04	1.2E-02			
500	1.1972E-06	9.2454E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			
501	1.1972E-06	6.2223E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
502	1.1972E-06	4.4565E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
503	1.1972E-06	3.3546E-06	2.50E-04	8.40E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
504	1.1972E-06	8.1556E-07	2.50E-04	2.04E-10	14.00	1.57E-02	4.49E-11	1,000,000	4.49E-05	6.5E-04			
505	1.1972E-06	9.7274E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.36E-11	1,000,000	5.36E-05	7.7E-04			
506	1.1972E-06	1.2521E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.89E-11	1,000,000	6.89E-05	1.0E-03			
507	1.1972E-06	1.5602E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.59E-11	1,000,000	8.59E-05	1.2E-03			
508	1.1972E-06	2.1633E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
509	1.1972E-06	2.9281E-06	2.50E-04	7.33E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
510	1.1972E-06	4.0128E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
511	1.1972E-06	5.4671E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.01E-10	1,000,000	3.01E-04	4.4E-03			
512	1.1972E-06	7.2956E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.02E-10	1,000,000	4.02E-04	5.8E-03			
513	1.1972E-06	8.5461E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.71E-10	1,000,000	4.71E-04	6.8E-03			
514	1.1972E-06	9.6777E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.33E-10	1,000,000	5.33E-04	7.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.1972E-06	1.0157E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.59E-10	1,000,000	5.59E-04	8.1E-03			
516	1.1972E-06	9.868E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.43E-10	1,000,000	5.43E-04	7.9E-03			
517	1.1972E-06	8.2672E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.55E-10	1,000,000	4.55E-04	6.6E-03			
518	1.1972E-06	6.4367E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
519	1.1972E-06	4.9438E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
520	1.1972E-06	3.8385E-06	2.50E-04	9.61E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
521	1.1972E-06	3.0381E-06	2.50E-04	7.60E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
522	1.1972E-06	7.0407E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
523	1.1972E-06	8.5058E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
524	1.1972E-06	1.0392E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.72E-11	1,000,000	5.72E-05	8.3E-04			
525	1.1972E-06	1.278E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.04E-11	1,000,000	7.04E-05	1.0E-03			
526	1.1972E-06	1.55E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.53E-11	1,000,000	8.53E-05	1.2E-03			
527	1.1972E-06	2.1274E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
528	1.1972E-06	2.7568E-06	2.50E-04	6.90E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
529	1.1972E-06	3.5217E-06	2.50E-04	8.81E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
530	1.1972E-06	4.4082E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
531	1.1972E-06	5.2344E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
532	1.1972E-06	5.8038E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
533	1.1972E-06	6.2259E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.43E-10	1,000,000	3.43E-04	5.0E-03			
534	1.1972E-06	5.7049E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.14E-10	1,000,000	3.14E-04	4.5E-03			
535	1.1972E-06	5.2181E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
536	1.1972E-06	4.535E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
537	1.1972E-06	3.8356E-06	2.50E-04	9.60E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
538	1.1972E-06	3.1678E-06	2.50E-04	7.93E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
539	1.1972E-06	2.631E-06	2.50E-04	6.58E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
540	1.1972E-06	6.0951E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.36E-11	1,000,000	3.36E-05	4.9E-04			
541	1.1972E-06	7.2132E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.97E-11	1,000,000	3.97E-05	5.7E-04			
542	1.1972E-06	8.5849E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.73E-11	1,000,000	4.73E-05	6.8E-04			
543	1.1972E-06	1.0316E-06	2.50E-04	2.58E-10	14.00	1.57E-02	5.68E-11	1,000,000	5.68E-05	8.2E-04			
544	1.1972E-06	1.2852E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.08E-11	1,000,000	7.08E-05	1.0E-03			
545	1.1972E-06	1.5538E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.56E-11	1,000,000	8.56E-05	1.2E-03			
546	1.1972E-06	1.9446E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
547	1.1972E-06	2.3642E-06	2.50E-04	5.92E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.1972E-06	2.9153E-06	2.50E-04	7.30E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
549	1.1972E-06	3.3782E-06	2.50E-04	8.45E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
550	1.1972E-06	3.8714E-06	2.50E-04	9.69E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
551	1.1972E-06	4.5463E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
552	1.1972E-06	3.8025E-06	2.50E-04	9.52E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
553	1.1972E-06	3.4937E-06	2.50E-04	8.74E-10	14.00	1.57E-02	1.92E-10	1,000,000	1.92E-04	2.8E-03			
554	1.1972E-06	3.1704E-06	2.50E-04	7.93E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
555	1.1972E-06	3.0273E-06	2.50E-04	7.58E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
556	1.1972E-06	2.6037E-06	2.50E-04	6.52E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
557	1.1972E-06	2.2387E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
558	1.1972E-06	5.2966E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.92E-11	1,000,000	2.92E-05	4.2E-04			
559	1.1972E-06	6.1707E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.40E-11	1,000,000	3.40E-05	4.9E-04			
560	1.1972E-06	7.0481E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
561	1.1972E-06	8.3395E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.59E-11	1,000,000	4.59E-05	6.6E-04			
562	1.1972E-06	9.7036E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.34E-11	1,000,000	5.34E-05	7.7E-04			
563	1.1972E-06	1.1553E-06	2.50E-04	2.89E-10	14.00	1.57E-02	6.36E-11	1,000,000	6.36E-05	9.2E-04			
564	1.1972E-06	1.4261E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
565	1.1972E-06	1.6733E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
566	1.1972E-06	2.0316E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
567	1.1972E-06	2.3339E-06	2.50E-04	5.84E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
568	1.1972E-06	2.6531E-06	2.50E-04	6.64E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
569	1.1972E-06	2.5568E-06	2.50E-04	6.40E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
570	1.1972E-06	2.4566E-06	2.50E-04	6.15E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
571	1.1972E-06	2.4415E-06	2.50E-04	6.11E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
572	1.1972E-06	2.4108E-06	2.50E-04	6.03E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
573	1.1972E-06	2.2255E-06	2.50E-04	5.57E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
574	1.1972E-06	2.0508E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
575	1.1972E-06	1.8857E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.68E-07		1.301E-05	184 Res
2	5	1.86E-07			
3	5	2.07E-07			
4	5	2.30E-07			
5	5	2.56E-07			
6	5	2.85E-07			
7	5	3.14E-07			
8	5	3.44E-07			
9	5	3.72E-07			
10	5	3.96E-07			
11	5	4.13E-07			
12	5	4.20E-07			
13	5	4.19E-07			
14	5	4.07E-07			
15	5	3.88E-07			
16	5	3.62E-07			
17	5	3.33E-07			
18	5	3.04E-07			
19	5	2.74E-07			
20	5	2.47E-07			
21	5	2.22E-07			
22	5	2.00E-07			
23	5	1.81E-07			
24	5	2.02E-07			
25	5	2.27E-07			
26	5	2.56E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.90E-07			
28	5	3.27E-07			
29	5	3.68E-07			
30	5	4.11E-07			
31	5	4.53E-07			
32	5	4.89E-07			
33	5	5.15E-07			
34	5	5.27E-07			
35	5	5.25E-07			
36	5	5.08E-07			
37	5	4.76E-07			
38	5	4.38E-07			
39	5	3.96E-07			
40	5	3.54E-07			
41	5	3.14E-07			
42	5	2.78E-07			
43	5	2.46E-07			
44	5	2.19E-07			
45	5	1.93E-07			
46	5	2.18E-07			
47	5	2.48E-07			
48	5	2.85E-07			
49	5	3.28E-07			
50	5	3.78E-07			
51	5	4.36E-07			
52	5	5.00E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	5.64E-07			
54	5	6.21E-07			
55	5	6.64E-07			
56	5	6.85E-07			
57	5	6.80E-07			
58	5	6.53E-07			
59	5	6.02E-07			
60	5	5.41E-07			
61	5	4.78E-07			
62	5	4.17E-07			
63	5	3.61E-07			
64	5	3.14E-07			
65	5	2.74E-07			
66	5	2.40E-07			
67	5	2.05E-07			
68	5	2.34E-07			
69	5	2.70E-07			
70	5	3.15E-07			
71	5	3.70E-07			
72	5	4.39E-07			
73	5	5.22E-07			
74	5	6.19E-07			
75	5	7.23E-07			
76	5	8.20E-07			
77	5	8.95E-07			
78	5	9.34E-07			
79	5	9.25E-07			
80	5	8.73E-07			
81	5	7.88E-07			
82	5	6.88E-07			
83	5	5.86E-07			
84	5	4.95E-07			
85	5	4.16E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	3.54E-07			
87	5	3.03E-07			
88	5	2.63E-07			
89	5	2.12E-07			
90	5	2.49E-07			
91	5	2.91E-07			
92	5	3.45E-07			
93	5	4.15E-07			
94	5	5.08E-07			
95	5	6.29E-07			
96	5	7.83E-07			
97	5	9.63E-07			
98	5	1.14E-06			
99	5	1.28E-06			
100	5	1.35E-06			
101	5	1.34E-06			
102	5	1.24E-06			
103	5	1.08E-06			
104	5	8.99E-07			
105	5	7.31E-07			
106	5	5.92E-07			
107	5	4.82E-07			
108	5	3.99E-07			
109	5	3.35E-07			
110	5	2.86E-07			
111	5	2.12E-07			
112	5	2.53E-07			
113	5	2.96E-07			
114	5	3.60E-07			
115	5	4.56E-07			
116	5	5.81E-07			
117	5	7.57E-07			
118	5	1.01E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	1.36E-06			
120	5	1.73E-06			
121	5	2.03E-06			
122	5	2.16E-06			
123	5	2.14E-06			
124	5	1.94E-06			
125	5	1.60E-06			
126	5	1.22E-06			
127	5	9.26E-07			
128	5	7.10E-07			
129	5	5.57E-07			
130	5	4.49E-07			
131	5	3.69E-07			
132	5	3.10E-07			
133	5	2.03E-07			
134	5	2.42E-07			
135	5	2.92E-07			
136	5	3.73E-07			
137	5	4.91E-07			
138	5	6.49E-07			
139	5	8.95E-07			
140	5	1.32E-06			
141	5	2.09E-06			
142	5	3.10E-06			
143	5	3.82E-06			
144	5	4.11E-06			
145	5	4.08E-06			
146	5	3.61E-06			
147	5	2.67E-06			
148	5	1.76E-06			
149	5	1.19E-06			
150	5	8.50E-07			
151	5	6.39E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	5.01E-07			
153	5	4.05E-07			
154	5	3.35E-07			
155	5	1.78E-07			
156	5	2.16E-07			
157	5	2.76E-07			
158	5	3.45E-07			
159	5	4.69E-07			
160	5	6.49E-07			
161	5	9.61E-07			
162	5	1.64E-06			
163	5	3.72E-06			
164	5	9.69E-06			
165	5	1.19E-05			
166	5	1.25E-05			
167	5	1.25E-05			
168	5	1.15E-05			
169	5	5.87E-06			
170	5	2.65E-06			
171	5	1.52E-06			
172	5	1.01E-06			
173	5	7.25E-07			
174	5	5.53E-07			
175	5	4.39E-07			
176	5	3.59E-07			
177	5	1.67E-07			
178	5	2.05E-07			
179	5	2.62E-07			
180	5	3.39E-07			
181	5	4.52E-07			
182	5	6.19E-07			
183	5	9.25E-07			
184	5	1.30E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	3.47E-06			
186	5	1.78E-06			
187	5	1.12E-06			
188	5	7.89E-07			
189	5	5.93E-07			
190	5	4.66E-07			
191	5	3.78E-07			
192	5	1.50E-07			
193	5	1.81E-07			
194	5	2.30E-07			
195	5	2.94E-07			
196	5	3.91E-07			
197	5	5.20E-07			
198	5	7.59E-07			
199	5	3.38E-06			
200	5	6.16E-06			
201	5	2.89E-06			
202	5	1.68E-06			
203	5	1.11E-06			
204	5	7.94E-07			
205	5	6.02E-07			
206	5	4.74E-07			
207	5	3.85E-07			
208	5	1.34E-07			
209	5	1.60E-07			
210	5	1.90E-07			
211	5	2.42E-07			
212	5	3.08E-07			
213	5	4.15E-07			
214	5	5.86E-07			
215	5	8.29E-07			
216	5	1.28E-06			
217	5	1.73E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	2.80E-06			
219	5	2.45E-06			
220	5	1.82E-06			
221	5	1.31E-06			
222	5	9.62E-07			
223	5	7.30E-07			
224	5	5.71E-07			
225	5	4.60E-07			
226	5	3.78E-07			
227	5	1.19E-07			
228	5	1.40E-07			
229	5	1.65E-07			
230	5	2.02E-07			
231	5	2.51E-07			
232	5	3.13E-07			
233	5	4.29E-07			
234	5	5.75E-07			
235	5	7.71E-07			
236	5	9.97E-07			
237	5	1.23E-06			
238	5	1.42E-06			
239	5	1.54E-06			
240	5	1.51E-06			
241	5	1.43E-06			
242	5	1.16E-06			
243	5	9.68E-07			
244	5	7.79E-07			
245	5	6.29E-07			
246	5	5.14E-07			
247	5	4.26E-07			
248	5	3.58E-07			
249	5	1.06E-07			
250	5	1.22E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.42E-07			
252	5	1.70E-07			
253	5	2.05E-07			
254	5	2.60E-07			
255	5	3.21E-07			
256	5	4.23E-07			
257	5	5.21E-07			
258	5	6.30E-07			
259	5	7.67E-07			
260	5	9.00E-07			
261	5	9.77E-07			
262	5	9.61E-07			
263	5	8.86E-07			
264	5	7.97E-07			
265	5	7.31E-07			
266	5	6.25E-07			
267	5	5.28E-07			
268	5	4.48E-07			
269	5	3.82E-07			
270	5	3.29E-07			
271	5	9.32E-08			
272	5	1.05E-07			
273	5	1.22E-07			
274	5	1.42E-07			
275	5	1.67E-07			
276	5	2.03E-07			
277	5	2.47E-07			
278	5	2.96E-07			
279	5	3.61E-07			
280	5	4.34E-07			
281	5	5.20E-07			
282	5	6.03E-07			
283	5	6.49E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	6.01E-07			
285	5	6.00E-07			
286	5	5.67E-07			
287	5	5.23E-07			
288	5	4.83E-07			
289	5	4.36E-07			
290	5	3.87E-07			
291	5	3.39E-07			
292	5	2.96E-07			
293	5	8.21E-08			
294	5	9.24E-08			
295	5	1.05E-07			
296	5	1.19E-07			
297	5	1.39E-07			
298	5	1.63E-07			
299	5	1.92E-07			
300	5	2.32E-07			
301	5	2.64E-07			
302	5	3.16E-07			
303	5	3.68E-07			
304	5	4.25E-07			
305	5	4.47E-07			
306	5	4.28E-07			
307	5	4.18E-07			
308	5	3.98E-07			
309	5	4.12E-07			
310	5	3.80E-07			
311	5	3.53E-07			
312	5	3.29E-07			
313	5	2.99E-07			
314	5	2.71E-07			
315	5	7.11E-08			
316	5	7.96E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	8.91E-08			
318	5	9.99E-08			
319	5	1.12E-07			
320	5	1.33E-07			
321	5	1.52E-07			
322	5	1.77E-07			
323	5	2.08E-07			
324	5	2.39E-07			
325	5	2.72E-07			
326	5	3.08E-07			
327	5	3.77E-07			
328	5	3.12E-07			
329	5	3.06E-07			
330	5	3.03E-07			
331	5	3.01E-07			
332	5	2.96E-07			
333	5	2.79E-07			
334	5	2.73E-07			
335	5	2.56E-07			
336	5	2.38E-07			
337	5	6.32E-08			
338	5	6.96E-08			
339	5	7.62E-08			
340	5	8.58E-08			
341	5	9.50E-08			
342	5	1.11E-07			
343	5	1.24E-07			
344	5	1.42E-07			
345	5	1.63E-07			
346	5	1.88E-07			
347	5	2.07E-07			
348	5	2.28E-07			
349	5	2.20E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	2.25E-07			
351	5	2.28E-07			
352	5	2.21E-07			
353	5	2.30E-07			
354	5	2.25E-07			
355	5	2.24E-07			
356	5	2.21E-07			
357	5	2.13E-07			
358	5	2.03E-07			
359	5	5.52E-08			
360	5	6.07E-08			
361	5	6.65E-08			
362	5	7.31E-08			
363	5	8.00E-08			
364	5	9.06E-08			
365	5	1.02E-07			
366	5	1.16E-07			
367	5	1.34E-07			
368	5	1.49E-07			
369	5	1.60E-07			
370	5	1.66E-07			
371	5	1.74E-07			
372	5	1.77E-07			
373	5	1.75E-07			
374	5	1.70E-07			
375	5	1.76E-07			
376	5	1.74E-07			
377	5	1.75E-07			
378	5	1.83E-07			
379	5	1.80E-07			
380	5	1.71E-07			
381	5	2.42E-07			
382	5	2.78E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	3.23E-07			
384	5	3.77E-07			
385	5	4.41E-07			
386	5	5.15E-07			
387	5	5.95E-07			
388	5	6.74E-07			
389	5	7.41E-07			
390	5	7.84E-07			
391	5	7.95E-07			
392	5	7.72E-07			
393	5	7.20E-07			
394	5	6.48E-07			
395	5	5.67E-07			
396	5	4.89E-07			
397	5	4.19E-07			
398	5	3.59E-07			
399	5	2.60E-07			
400	5	3.04E-07			
401	5	3.59E-07			
402	5	4.30E-07			
403	5	5.20E-07			
404	5	6.30E-07			
405	5	7.60E-07			
406	5	8.96E-07			
407	5	1.01E-06			
408	5	1.09E-06			
409	5	1.12E-06			
410	5	1.07E-06			
411	5	9.78E-07			
412	5	8.52E-07			
413	5	7.16E-07			
414	5	5.94E-07			
415	5	4.91E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	4.08E-07			
417	5	2.71E-07			
418	5	3.24E-07			
419	5	3.96E-07			
420	5	4.87E-07			
421	5	6.12E-07			
422	5	7.82E-07			
423	5	1.01E-06			
424	5	1.26E-06			
425	5	1.50E-06			
426	5	1.65E-06			
427	5	1.69E-06			
428	5	1.61E-06			
429	5	1.42E-06			
430	5	1.17E-06			
431	5	9.26E-07			
432	5	7.27E-07			
433	5	5.79E-07			
434	5	4.67E-07			
435	5	2.67E-07			
436	5	3.30E-07			
437	5	4.19E-07			
438	5	5.41E-07			
439	5	7.10E-07			
440	5	9.73E-07			
441	5	1.39E-06			
442	5	1.96E-06			
443	5	2.50E-06			
444	5	2.83E-06			
445	5	2.91E-06			
446	5	2.75E-06			
447	5	2.31E-06			
448	5	1.72E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	1.23E-06			
450	5	9.00E-07			
451	5	6.77E-07			
452	5	5.30E-07			
453	5	2.54E-07			
454	5	3.20E-07			
455	5	4.21E-07			
456	5	5.65E-07			
457	5	7.87E-07			
458	5	1.17E-06			
459	5	1.98E-06			
460	5	3.76E-06			
461	5	5.53E-06			
462	5	6.30E-06			
463	5	6.50E-06			
464	5	6.21E-06			
465	5	4.83E-06			
466	5	2.83E-06			
467	5	1.68E-06			
468	5	1.11E-06			
469	5	7.91E-07			
470	5	5.97E-07			
471	5	2.33E-07			
472	5	2.99E-07			
473	5	3.95E-07			
474	5	5.33E-07			
475	5	7.59E-07			
476	5	5.04E-06			
477	5	2.22E-06			
478	5	1.32E-06			
479	5	8.98E-07			
480	5	6.58E-07			
481	5	2.13E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	2.74E-07			
483	5	3.47E-07			
484	5	4.63E-07			
485	5	6.84E-07			
486	5	5.37E-06			
487	5	2.37E-06			
488	5	1.40E-06			
489	5	9.45E-07			
490	5	6.90E-07			
491	5	1.86E-07			
492	5	2.34E-07			
493	5	2.93E-07			
494	5	3.90E-07			
495	5	5.50E-07			
496	5	2.03E-06			
497	5	2.60E-06			
498	5	4.07E-06			
499	5	2.91E-06			
500	5	1.85E-06			
501	5	1.24E-06			
502	5	8.91E-07			
503	5	6.71E-07			
504	5	1.63E-07			
505	5	1.95E-07			
506	5	2.50E-07			
507	5	3.12E-07			
508	5	4.33E-07			
509	5	5.86E-07			
510	5	8.03E-07			
511	5	1.09E-06			
512	5	1.46E-06			
513	5	1.71E-06			
514	5	1.94E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	2.03E-06			
516	5	1.97E-06			
517	5	1.65E-06			
518	5	1.29E-06			
519	5	9.89E-07			
520	5	7.68E-07			
521	5	6.08E-07			
522	5	1.41E-07			
523	5	1.70E-07			
524	5	2.08E-07			
525	5	2.56E-07			
526	5	3.10E-07			
527	5	4.25E-07			
528	5	5.51E-07			
529	5	7.04E-07			
530	5	8.82E-07			
531	5	1.05E-06			
532	5	1.16E-06			
533	5	1.25E-06			
534	5	1.14E-06			
535	5	1.04E-06			
536	5	9.07E-07			
537	5	7.67E-07			
538	5	6.34E-07			
539	5	5.26E-07			
540	5	1.22E-07			
541	5	1.44E-07			
542	5	1.72E-07			
543	5	2.06E-07			
544	5	2.57E-07			
545	5	3.11E-07			
546	5	3.89E-07			
547	5	4.73E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE9

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	5.83E-07			
549	5	6.76E-07			
550	5	7.74E-07			
551	5	9.09E-07			
552	5	7.60E-07			
553	5	6.99E-07			
554	5	6.34E-07			
555	5	6.05E-07			
556	5	5.21E-07			
557	5	4.48E-07			
558	5	1.06E-07			
559	5	1.23E-07			
560	5	1.41E-07			
561	5	1.67E-07			
562	5	1.94E-07			
563	5	2.31E-07			
564	5	2.85E-07			
565	5	3.35E-07			
566	5	4.06E-07			
567	5	4.67E-07			
568	5	5.31E-07			
569	5	5.11E-07			
570	5	4.91E-07			
571	5	4.88E-07			
572	5	4.82E-07			
573	5	4.45E-07			
574	5	4.10E-07			
575	5	3.77E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.76	**8.7046E-07**	6.6386E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.03E-12	1,000,000	9.03E-06
2	0.84144	8.7046E-07	7.3244E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.96E-12	1,000,000	9.96E-06
3	0.92906	8.7046E-07	8.0871E-07	3.46E-04	2.80E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
4	1.02459	8.7046E-07	8.9187E-07	3.46E-04	3.09E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
5	1.12709	8.7046E-07	9.8109E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
6	1.23311	8.7046E-07	1.0734E-06	3.46E-04	3.72E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
7	1.33535	8.7046E-07	1.1624E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
8	1.42662	8.7046E-07	1.2418E-06	3.46E-04	4.30E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
9	1.49858	8.7046E-07	1.3045E-06	3.46E-04	4.52E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
10	1.53988	8.7046E-07	1.3404E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
11	1.54461	8.7046E-07	1.3445E-06	3.46E-04	4.65E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
12	1.51274	8.7046E-07	1.3168E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
13	1.44907	8.7046E-07	1.2614E-06	3.46E-04	4.37E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
14	1.36238	8.7046E-07	1.1859E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
15	1.26273	8.7046E-07	1.0992E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
16	1.1574	8.7046E-07	1.0075E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
17	1.05591	8.7046E-07	9.1913E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
18	0.95933	8.7046E-07	8.3506E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
19	0.8692	8.7046E-07	7.5661E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
20	0.78924	8.7046E-07	6.8701E-07	3.46E-04	2.38E-10	0.25	1.57E-01	9.34E-12	1,000,000	9.34E-06
21	0.71712	8.7046E-07	6.2423E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.49E-12	1,000,000	8.49E-06
22	0.652	8.7046E-07	5.6754E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.72E-12	1,000,000	7.72E-06
23	0.82969	8.7046E-07	7.2222E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.82E-12	1,000,000	9.82E-06
24	0.92608	8.7046E-07	8.0612E-07	3.46E-04	2.79E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
25	1.03611	8.7046E-07	9.019E-07	3.46E-04	3.12E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
26	1.1604	8.7046E-07	1.0101E-06	3.46E-04	3.50E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.29776	8.7046E-07	1.1297E-06	3.46E-04	3.91E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
28	1.44629	8.7046E-07	1.2589E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
29	1.59476	8.7046E-07	1.3882E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
30	1.73461	8.7046E-07	1.5099E-06	3.46E-04	5.23E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
31	1.84525	8.7046E-07	1.6062E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
32	1.91026	8.7046E-07	1.6628E-06	3.46E-04	5.76E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
33	1.91603	8.7046E-07	1.6678E-06	3.46E-04	5.77E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
34	1.86633	8.7046E-07	1.6246E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
35	1.76806	8.7046E-07	1.539E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
36	1.63833	8.7046E-07	1.4261E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
37	1.48806	8.7046E-07	1.2953E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
38	1.34106	8.7046E-07	1.1673E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
39	1.20476	8.7046E-07	1.0487E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
40	1.07834	8.7046E-07	9.3866E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
41	0.96408	8.7046E-07	8.392E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
42	0.8633	8.7046E-07	7.5147E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
43	0.77503	8.7046E-07	6.7464E-07	3.46E-04	2.34E-10	0.25	1.57E-01	9.17E-12	1,000,000	9.17E-06
44	0.70184	8.7046E-07	6.1093E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.31E-12	1,000,000	8.31E-06
45	0.89994	8.7046E-07	7.8337E-07	3.46E-04	2.71E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
46	1.01703	8.7046E-07	8.8529E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
47	1.15499	8.7046E-07	1.0054E-06	3.46E-04	3.48E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
48	1.31662	8.7046E-07	1.1461E-06	3.46E-04	3.97E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
49	1.503	8.7046E-07	1.3083E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
50	1.71252	8.7046E-07	1.4907E-06	3.46E-04	5.16E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
51	1.93665	8.7046E-07	1.6858E-06	3.46E-04	5.84E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
52	2.15594	8.7046E-07	1.8767E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.34096	8.7046E-07	2.0377E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
54	2.45019	8.7046E-07	2.1328E-06	3.46E-04	7.38E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
55	2.46099	8.7046E-07	2.1422E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
56	2.37248	8.7046E-07	2.0652E-06	3.46E-04	7.15E-10	0.25	1.57E-01	2.81E-11	1,000,000	2.81E-05
57	2.20658	8.7046E-07	1.9207E-06	3.46E-04	6.65E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
58	2.00404	8.7046E-07	1.7444E-06	3.46E-04	6.04E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
59	1.77742	8.7046E-07	1.5472E-06	3.46E-04	5.36E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
60	1.5661	8.7046E-07	1.3632E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
61	1.3793	8.7046E-07	1.2006E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
62	1.21227	8.7046E-07	1.0552E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
63	1.06824	8.7046E-07	9.2986E-07	3.46E-04	3.22E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
64	0.94567	8.7046E-07	8.2317E-07	3.46E-04	2.85E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
65	0.84205	8.7046E-07	7.3297E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.97E-12	1,000,000	9.97E-06
66	0.75388	8.7046E-07	6.5623E-07	3.46E-04	2.27E-10	0.25	1.57E-01	8.92E-12	1,000,000	8.92E-06
67	0.97124	8.7046E-07	8.4543E-07	3.46E-04	2.93E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
68	1.11186	8.7046E-07	9.6783E-07	3.46E-04	3.35E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
69	1.28312	8.7046E-07	1.1169E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
70	1.49154	8.7046E-07	1.2983E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
71	1.7446	8.7046E-07	1.5186E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
72	2.04655	8.7046E-07	1.7814E-06	3.46E-04	6.17E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
73	2.39323	8.7046E-07	2.0832E-06	3.46E-04	7.21E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
74	2.75657	8.7046E-07	2.3995E-06	3.46E-04	8.31E-10	0.25	1.57E-01	3.26E-11	1,000,000	3.26E-05
75	3.08318	8.7046E-07	2.6838E-06	3.46E-04	9.29E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
76	3.29209	8.7046E-07	2.8656E-06	3.46E-04	9.92E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
77	3.31559	8.7046E-07	2.8861E-06	3.46E-04	9.99E-10	0.25	1.57E-01	3.92E-11	1,000,000	3.92E-05
78	3.15133	8.7046E-07	2.7431E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
79	2.84612	8.7046E-07	2.4774E-06	3.46E-04	8.58E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
80	2.49371	8.7046E-07	2.1707E-06	3.46E-04	7.51E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
81	2.14893	8.7046E-07	1.8706E-06	3.46E-04	6.48E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
82	1.84613	8.7046E-07	1.607E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
83	1.58246	8.7046E-07	1.3775E-06	3.46E-04	4.77E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
84	1.36466	8.7046E-07	1.1879E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
85	1.17804	8.7046E-07	1.0254E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.03314	8.7046E-07	8.9931E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
87	0.90961	8.7046E-07	7.9178E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
88	0.80766	8.7046E-07	7.0304E-07	3.46E-04	2.43E-10	0.25	1.57E-01	9.56E-12	1,000,000	9.56E-06
89	1.04012	8.7046E-07	9.0539E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
90	1.20628	8.7046E-07	1.05E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
91	1.415	8.7046E-07	1.2317E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
92	1.68042	8.7046E-07	1.4627E-06	3.46E-04	5.06E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
93	2.02072	8.7046E-07	1.759E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
94	2.45538	8.7046E-07	2.1373E-06	3.46E-04	7.40E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
95	3.00172	8.7046E-07	2.6129E-06	3.46E-04	9.04E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
96	3.64379	8.7046E-07	3.1718E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
97	4.29063	8.7046E-07	3.7348E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
98	4.73422	8.7046E-07	4.121E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.60E-11	1,000,000	5.60E-05
99	4.76862	8.7046E-07	4.1509E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.64E-11	1,000,000	5.64E-05
100	4.39592	8.7046E-07	3.8265E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.20E-11	1,000,000	5.20E-05
101	3.79553	8.7046E-07	3.3039E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
102	3.16991	8.7046E-07	2.7593E-06	3.46E-04	9.55E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
103	2.62333	8.7046E-07	2.2835E-06	3.46E-04	7.90E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
104	2.17184	8.7046E-07	1.8905E-06	3.46E-04	6.54E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
105	1.81607	8.7046E-07	1.5808E-06	3.46E-04	5.47E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
106	1.53199	8.7046E-07	1.3335E-06	3.46E-04	4.62E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
107	1.30524	8.7046E-07	1.1362E-06	3.46E-04	3.93E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
108	1.12521	8.7046E-07	9.7946E-07	3.46E-04	3.39E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
109	0.97978	8.7046E-07	8.5286E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
110	0.86301	8.7046E-07	7.5122E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
111	1.10237	8.7046E-07	9.5957E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
112	1.29401	8.7046E-07	1.1264E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
113	1.54149	8.7046E-07	1.3418E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
114	1.86949	8.7046E-07	1.6273E-06	3.46E-04	5.63E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
115	2.31557	8.7046E-07	2.0156E-06	3.46E-04	6.98E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
116	2.93231	8.7046E-07	2.5525E-06	3.46E-04	8.84E-10	0.25	1.57E-01	3.47E-11	1,000,000	3.47E-05
117	3.79984	8.7046E-07	3.3076E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
118	4.99784	8.7046E-07	4.3504E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.92E-11	1,000,000	5.92E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	6.44522	8.7046E-07	5.6103E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.63E-11	1,000,000	7.63E-05
120	7.60352	8.7046E-07	6.6186E-06	3.46E-04	2.29E-09	0.25	1.57E-01	9.00E-11	1,000,000	9.00E-05
121	7.67988	8.7046E-07	6.6851E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.09E-11	1,000,000	9.09E-05
122	6.64338	8.7046E-07	5.7828E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.86E-11	1,000,000	7.86E-05
123	5.28747	8.7046E-07	4.6026E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.26E-11	1,000,000	6.26E-05
124	4.11254	8.7046E-07	3.5798E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
125	3.22131	8.7046E-07	2.804E-06	3.46E-04	9.71E-10	0.25	1.57E-01	3.81E-11	1,000,000	3.81E-05
126	2.55986	8.7046E-07	2.2283E-06	3.46E-04	7.71E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
127	2.07701	8.7046E-07	1.808E-06	3.46E-04	6.26E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
128	1.71474	8.7046E-07	1.4926E-06	3.46E-04	5.17E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
129	1.43585	8.7046E-07	1.2499E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
130	1.22268	8.7046E-07	1.0643E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
131	1.05329	8.7046E-07	9.1685E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
132	0.91949	8.7046E-07	8.0038E-07	3.46E-04	2.77E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
133	1.12486	8.7046E-07	9.7915E-07	3.46E-04	3.39E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
134	1.35158	8.7046E-07	1.1765E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
135	1.63406	8.7046E-07	1.4224E-06	3.46E-04	4.92E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
136	2.04118	8.7046E-07	1.7768E-06	3.46E-04	6.15E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
137	2.59853	8.7046E-07	2.2619E-06	3.46E-04	7.83E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
138	3.43185	8.7046E-07	2.9873E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.06E-11	1,000,000	4.06E-05
139	4.75959	8.7046E-07	4.1431E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.63E-11	1,000,000	5.63E-05
140	7.02708	8.7046E-07	6.1168E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.32E-11	1,000,000	8.32E-05
141	10.83087	8.7046E-07	9.4279E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
142	15.05249	8.7046E-07	1.3103E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
143	15.1258	8.7046E-07	1.3166E-05	3.46E-04	4.56E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
144	11.25717	8.7046E-07	9.799E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
145	7.70094	8.7046E-07	6.7034E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.12E-11	1,000,000	9.12E-05
146	5.4021	8.7046E-07	4.7023E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
147	3.95904	8.7046E-07	3.4462E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
148	3.00875	8.7046E-07	2.619E-06	3.46E-04	9.07E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
149	2.36765	8.7046E-07	2.061E-06	3.46E-04	7.13E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
150	1.90681	8.7046E-07	1.6598E-06	3.46E-04	5.75E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
151	1.57068	8.7046E-07	1.3672E-06	3.46E-04	4.73E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.32123	8.7046E-07	1.1501E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
153	1.12773	8.7046E-07	9.8165E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
154	0.97597	8.7046E-07	8.4955E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
155	1.02427	8.7046E-07	8.9159E-07	3.46E-04	3.09E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
156	1.25192	8.7046E-07	1.0898E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
157	1.60221	8.7046E-07	1.3947E-06	3.46E-04	4.83E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
158	2.03253	8.7046E-07	1.7692E-06	3.46E-04	6.12E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
159	2.78417	8.7046E-07	2.4235E-06	3.46E-04	8.39E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
160	3.83955	8.7046E-07	3.3422E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
161	5.64152	8.7046E-07	4.9107E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
162	9.4633	8.7046E-07	8.2375E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
163	21.22786	8.7046E-07	1.8478E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04
164	53.15738	8.7046E-07	4.6272E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.29E-10	1,000,000	6.29E-04
165	51.32449	8.7046E-07	4.4676E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.08E-10	1,000,000	6.08E-04
166	22.32762	8.7046E-07	1.9435E-05	3.46E-04	6.73E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
167	11.54513	8.7046E-07	1.005E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
168	7.09397	8.7046E-07	6.175E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.40E-11	1,000,000	8.40E-05
169	4.82681	8.7046E-07	4.2016E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.71E-11	1,000,000	5.71E-05
170	3.50009	8.7046E-07	3.0467E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
171	2.66057	8.7046E-07	2.3159E-06	3.46E-04	8.02E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
172	2.10561	8.7046E-07	1.8329E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
173	1.70856	8.7046E-07	1.4872E-06	3.46E-04	5.15E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
174	1.41912	8.7046E-07	1.2353E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
175	1.20188	8.7046E-07	1.0462E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
176	1.0325	8.7046E-07	8.9875E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
177	0.97194	8.7046E-07	8.4604E-07	3.46E-04	2.93E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
178	1.21105	8.7046E-07	1.0542E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
179	1.56797	8.7046E-07	1.3649E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
180	2.05922	8.7046E-07	1.7925E-06	3.46E-04	6.20E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
181	2.80479	8.7046E-07	2.4415E-06	3.46E-04	8.45E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
182	3.93234	8.7046E-07	3.423E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
183	5.99465	8.7046E-07	5.2181E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.10E-11	1,000,000	7.10E-05
184	5.64084	8.7046E-07	4.9102E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	3.93815	8.7046E-07	3.428E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.66E-11	1,000,000	4.66E-05
186	2.94222	8.7046E-07	2.5611E-06	3.46E-04	8.87E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
187	2.28411	8.7046E-07	1.9882E-06	3.46E-04	6.88E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
188	1.83077	8.7046E-07	1.5936E-06	3.46E-04	5.52E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
189	1.50756	8.7046E-07	1.3123E-06	3.46E-04	4.54E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
190	1.26679	8.7046E-07	1.1027E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
191	1.08176	8.7046E-07	9.4163E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
192	0.88368	8.7046E-07	7.6921E-07	3.46E-04	2.66E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
193	1.09065	8.7046E-07	9.4937E-07	3.46E-04	3.29E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
194	1.41375	8.7046E-07	1.2306E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
195	1.8485	8.7046E-07	1.6091E-06	3.46E-04	5.57E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
196	2.53878	8.7046E-07	2.2099E-06	3.46E-04	7.65E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
197	3.49958	8.7046E-07	3.0463E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
198	5.34849	8.7046E-07	4.6557E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
199	38.23358	8.7046E-07	3.3281E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.53E-10	1,000,000	4.53E-04
200	6.06442	8.7046E-07	5.2789E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
201	4.21007	8.7046E-07	3.6647E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.98E-11	1,000,000	4.98E-05
202	3.1058	8.7046E-07	2.7035E-06	3.46E-04	9.36E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
203	2.40138	8.7046E-07	2.0903E-06	3.46E-04	7.24E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
204	1.91688	8.7046E-07	1.6686E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
205	1.57108	8.7046E-07	1.3676E-06	3.46E-04	4.73E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
206	1.31486	8.7046E-07	1.1445E-06	3.46E-04	3.96E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
207	1.12006	8.7046E-07	9.7497E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
208	0.79169	8.7046E-07	6.8914E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.37E-12	1,000,000	9.37E-06
209	0.97196	8.7046E-07	8.4606E-07	3.46E-04	2.93E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
210	1.17843	8.7046E-07	1.0258E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
211	1.55675	8.7046E-07	1.3551E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
212	2.05947	8.7046E-07	1.7927E-06	3.46E-04	6.21E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
213	2.91034	8.7046E-07	2.5333E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
214	4.4144	8.7046E-07	3.8426E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05
215	6.89352	8.7046E-07	6.0006E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.16E-11	1,000,000	8.16E-05
216	12.75113	8.7046E-07	1.1099E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
217	27.29563	8.7046E-07	2.376E-05	3.46E-04	8.22E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.94512	8.7046E-07	7.7864E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
219	5.86542	8.7046E-07	5.1056E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
220	4.15987	8.7046E-07	3.621E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.92E-11	1,000,000	4.92E-05
221	3.11179	8.7046E-07	2.7087E-06	3.46E-04	9.38E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
222	2.42061	8.7046E-07	2.1071E-06	3.46E-04	7.29E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
223	1.94076	8.7046E-07	1.6894E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
224	1.59411	8.7046E-07	1.3876E-06	3.46E-04	4.80E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
225	1.33543	8.7046E-07	1.1624E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
226	1.13809	8.7046E-07	9.9067E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
227	0.69765	8.7046E-07	6.0728E-07	3.46E-04	2.10E-10	0.25	1.57E-01	8.26E-12	1,000,000	8.26E-06
228	0.83593	8.7046E-07	7.2765E-07	3.46E-04	2.52E-10	0.25	1.57E-01	9.90E-12	1,000,000	9.90E-06
229	1.01903	8.7046E-07	8.8703E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
230	1.28945	8.7046E-07	1.1224E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
231	1.68571	8.7046E-07	1.4674E-06	3.46E-04	5.08E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
232	2.22077	8.7046E-07	1.9331E-06	3.46E-04	6.69E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
233	3.30241	8.7046E-07	2.8746E-06	3.46E-04	9.95E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
234	4.92256	8.7046E-07	4.2849E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.83E-11	1,000,000	5.83E-05
235	7.97337	8.7046E-07	6.9405E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.44E-11	1,000,000	9.44E-05
236	14.15229	8.7046E-07	1.2319E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
237	26.89651	8.7046E-07	2.3412E-05	3.46E-04	8.10E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
238	20.15615	8.7046E-07	1.7545E-05	3.46E-04	6.07E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
239	11.28155	8.7046E-07	9.8202E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
240	7.29148	8.7046E-07	6.347E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.63E-11	1,000,000	8.63E-05
241	5.12119	8.7046E-07	4.4578E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.06E-11	1,000,000	6.06E-05
242	3.79551	8.7046E-07	3.3039E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
243	2.92409	8.7046E-07	2.5453E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
244	2.3212	8.7046E-07	2.0205E-06	3.46E-04	6.99E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
245	1.88806	8.7046E-07	1.6435E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
246	1.56671	8.7046E-07	1.3638E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
247	1.32215	8.7046E-07	1.1509E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
248	1.13242	8.7046E-07	9.8573E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
249	0.6163	8.7046E-07	5.3647E-07	3.46E-04	1.86E-10	0.25	1.57E-01	7.30E-12	1,000,000	7.30E-06
250	0.72372	8.7046E-07	6.2997E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.57E-12	1,000,000	8.57E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.86211	8.7046E-07	7.5044E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
252	1.07436	8.7046E-07	9.3519E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
253	1.35076	8.7046E-07	1.1758E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
254	1.82206	8.7046E-07	1.586E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
255	2.42749	8.7046E-07	2.113E-06	3.46E-04	7.31E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
256	3.53397	8.7046E-07	3.0762E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.18E-11	1,000,000	4.18E-05
257	4.89679	8.7046E-07	4.2625E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.80E-11	1,000,000	5.80E-05
258	6.77725	8.7046E-07	5.8994E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.02E-11	1,000,000	8.02E-05
259	8.95045	8.7046E-07	7.791E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
260	8.79678	8.7046E-07	7.6573E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
261	7.04643	8.7046E-07	6.1337E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.34E-11	1,000,000	8.34E-05
262	5.3608	8.7046E-07	4.6664E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.35E-11	1,000,000	6.35E-05
263	4.12617	8.7046E-07	3.5917E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.88E-11	1,000,000	4.88E-05
264	3.24296	8.7046E-07	2.8229E-06	3.46E-04	9.77E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
265	2.60284	8.7046E-07	2.2657E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
266	2.12716	8.7046E-07	1.8516E-06	3.46E-04	6.41E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
267	1.76786	8.7046E-07	1.5389E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
268	1.49075	8.7046E-07	1.2976E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
269	1.27338	8.7046E-07	1.1084E-06	3.46E-04	3.84E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
270	1.10054	8.7046E-07	9.5798E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
271	0.5316	8.7046E-07	4.6274E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.29E-12	1,000,000	6.29E-06
272	0.61433	8.7046E-07	5.3475E-07	3.46E-04	1.85E-10	0.25	1.57E-01	7.27E-12	1,000,000	7.27E-06
273	0.72867	8.7046E-07	6.3428E-07	3.46E-04	2.20E-10	0.25	1.57E-01	8.63E-12	1,000,000	8.63E-06
274	0.87654	8.7046E-07	7.63E-07	3.46E-04	2.64E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
275	1.07687	8.7046E-07	9.3738E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
276	1.37756	8.7046E-07	1.1991E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
277	1.77987	8.7046E-07	1.5493E-06	3.46E-04	5.36E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
278	2.28989	8.7046E-07	1.9933E-06	3.46E-04	6.90E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
279	3.04293	8.7046E-07	2.6488E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
280	3.87745	8.7046E-07	3.3752E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.59E-11	1,000,000	4.59E-05
281	4.62747	8.7046E-07	4.028E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.48E-11	1,000,000	5.48E-05
282	4.92266	8.7046E-07	4.285E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.83E-11	1,000,000	5.83E-05
283	4.50015	8.7046E-07	3.9172E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.33E-11	1,000,000	5.33E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	3.6919	8.7046E-07	3.2137E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
285	3.17108	8.7046E-07	2.7603E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
286	2.6731	8.7046E-07	2.3268E-06	3.46E-04	8.05E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
287	2.24	8.7046E-07	1.9498E-06	3.46E-04	6.75E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
288	1.88507	8.7046E-07	1.6409E-06	3.46E-04	5.68E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
289	1.60515	8.7046E-07	1.3972E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
290	1.38039	8.7046E-07	1.2016E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
291	1.19716	8.7046E-07	1.0421E-06	3.46E-04	3.61E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
292	1.04706	8.7046E-07	9.1143E-07	3.46E-04	3.16E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
293	0.46218	8.7046E-07	4.0231E-07	3.46E-04	1.39E-10	0.25	1.57E-01	5.47E-12	1,000,000	5.47E-06
294	0.53109	8.7046E-07	4.6229E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.29E-12	1,000,000	6.29E-06
295	0.61608	8.7046E-07	5.3628E-07	3.46E-04	1.86E-10	0.25	1.57E-01	7.29E-12	1,000,000	7.29E-06
296	0.71772	8.7046E-07	6.2475E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.50E-12	1,000,000	8.50E-06
297	0.87083	8.7046E-07	7.5803E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
298	1.05997	8.7046E-07	9.2267E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
299	1.30973	8.7046E-07	1.1401E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
300	1.67055	8.7046E-07	1.4542E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
301	1.98926	8.7046E-07	1.7316E-06	3.46E-04	5.99E-10	0.25	1.57E-01	2.35E-11	1,000,000	2.35E-05
302	2.47936	8.7046E-07	2.1582E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
303	2.85252	8.7046E-07	2.483E-06	3.46E-04	8.60E-10	0.25	1.57E-01	3.38E-11	1,000,000	3.38E-05
304	3.1107	8.7046E-07	2.7078E-06	3.46E-04	9.37E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
305	2.98787	8.7046E-07	2.6008E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
306	2.63159	8.7046E-07	2.2907E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
307	2.36051	8.7046E-07	2.0547E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
308	2.10682	8.7046E-07	1.8339E-06	3.46E-04	6.35E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
309	1.89131	8.7046E-07	1.6463E-06	3.46E-04	5.70E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
310	1.65076	8.7046E-07	1.4369E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
311	1.43845	8.7046E-07	1.2521E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
312	1.25366	8.7046E-07	1.0913E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
313	1.10446	8.7046E-07	9.6139E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
314	0.97863	8.7046E-07	8.5186E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
315	0.39443	8.7046E-07	3.4334E-07	3.46E-04	1.19E-10	0.25	1.57E-01	4.67E-12	1,000,000	4.67E-06
316	0.44994	8.7046E-07	3.9166E-07	3.46E-04	1.36E-10	0.25	1.57E-01	5.33E-12	1,000,000	5.33E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.51443	8.7046E-07	4.4779E-07	3.46E-04	1.55E-10	0.25	1.57E-01	6.09E-12	1,000,000	6.09E-06
318	0.5902	8.7046E-07	5.1375E-07	3.46E-04	1.78E-10	0.25	1.57E-01	6.99E-12	1,000,000	6.99E-06
319	0.67733	8.7046E-07	5.8959E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.02E-12	1,000,000	8.02E-06
320	0.8374	8.7046E-07	7.2893E-07	3.46E-04	2.52E-10	0.25	1.57E-01	9.91E-12	1,000,000	9.91E-06
321	0.98494	8.7046E-07	8.5736E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
322	1.18327	8.7046E-07	1.03E-06	3.46E-04	3.57E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
323	1.44281	8.7046E-07	1.2559E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
324	1.68996	8.7046E-07	1.4711E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
325	1.92044	8.7046E-07	1.6717E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
326	2.08755	8.7046E-07	1.8171E-06	3.46E-04	6.29E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
327	2.33846	8.7046E-07	2.0355E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
328	1.87785	8.7046E-07	1.6346E-06	3.46E-04	5.66E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05
329	1.74627	8.7046E-07	1.5201E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
330	1.64978	8.7046E-07	1.4361E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
331	1.53659	8.7046E-07	1.3375E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
332	1.40922	8.7046E-07	1.2267E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
333	1.28011	8.7046E-07	1.1143E-06	3.46E-04	3.86E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
334	1.13863	8.7046E-07	9.9114E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
335	1.01505	8.7046E-07	8.8356E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
336	0.90356	8.7046E-07	7.8652E-07	3.46E-04	2.72E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
337	0.34601	8.7046E-07	3.0119E-07	3.46E-04	1.04E-10	0.25	1.57E-01	4.10E-12	1,000,000	4.10E-06
338	0.38731	8.7046E-07	3.3714E-07	3.46E-04	1.17E-10	0.25	1.57E-01	4.58E-12	1,000,000	4.58E-06
339	0.4309	8.7046E-07	3.7508E-07	3.46E-04	1.30E-10	0.25	1.57E-01	5.10E-12	1,000,000	5.10E-06
340	0.49525	8.7046E-07	4.311E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.86E-12	1,000,000	5.86E-06
341	0.55928	8.7046E-07	4.8683E-07	3.46E-04	1.69E-10	0.25	1.57E-01	6.62E-12	1,000,000	6.62E-06
342	0.67015	8.7046E-07	5.8334E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.93E-12	1,000,000	7.93E-06
343	0.76394	8.7046E-07	6.6498E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.04E-12	1,000,000	9.04E-06
344	0.89836	8.7046E-07	7.8199E-07	3.46E-04	2.71E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
345	1.04975	8.7046E-07	9.1377E-07	3.46E-04	3.16E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
346	1.23267	8.7046E-07	1.073E-06	3.46E-04	3.71E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
347	1.35142	8.7046E-07	1.1764E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
348	1.45725	8.7046E-07	1.2685E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
349	1.33735	8.7046E-07	1.1641E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.31919	8.7046E-07	1.1483E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
351	1.29152	8.7046E-07	1.1242E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
352	1.21305	8.7046E-07	1.0559E-06	3.46E-04	3.66E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
353	1.21909	8.7046E-07	1.0612E-06	3.46E-04	3.67E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
354	1.15712	8.7046E-07	1.0072E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
355	1.09788	8.7046E-07	9.5567E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
356	1.01386	8.7046E-07	8.8253E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
357	0.93907	8.7046E-07	8.1743E-07	3.46E-04	2.83E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
358	0.86183	8.7046E-07	7.5019E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
359	0.29794	8.7046E-07	2.5935E-07	3.46E-04	8.98E-11	0.25	1.57E-01	3.53E-12	1,000,000	3.53E-06
360	0.33258	8.7046E-07	2.895E-07	3.46E-04	1.00E-10	0.25	1.57E-01	3.94E-12	1,000,000	3.94E-06
361	0.36932	8.7046E-07	3.2148E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.37E-12	1,000,000	4.37E-06
362	0.4121	8.7046E-07	3.5872E-07	3.46E-04	1.24E-10	0.25	1.57E-01	4.88E-12	1,000,000	4.88E-06
363	0.45774	8.7046E-07	3.9845E-07	3.46E-04	1.38E-10	0.25	1.57E-01	5.42E-12	1,000,000	5.42E-06
364	0.52796	8.7046E-07	4.5957E-07	3.46E-04	1.59E-10	0.25	1.57E-01	6.25E-12	1,000,000	6.25E-06
365	0.60795	8.7046E-07	5.292E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.20E-12	1,000,000	7.20E-06
366	0.70362	8.7046E-07	6.1248E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.33E-12	1,000,000	8.33E-06
367	0.8232	8.7046E-07	7.1657E-07	3.46E-04	2.48E-10	0.25	1.57E-01	9.74E-12	1,000,000	9.74E-06
368	0.91798	8.7046E-07	7.9907E-07	3.46E-04	2.77E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
369	0.97575	8.7046E-07	8.4936E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
370	0.98899	8.7046E-07	8.6088E-07	3.46E-04	2.98E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
371	1.01291	8.7046E-07	8.817E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
372	1.00482	8.7046E-07	8.7466E-07	3.46E-04	3.03E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
373	0.96063	8.7046E-07	8.3619E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
374	0.91781	8.7046E-07	7.9892E-07	3.46E-04	2.77E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
375	0.93518	8.7046E-07	8.1404E-07	3.46E-04	2.82E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
376	0.91049	8.7046E-07	7.9255E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
377	0.89538	8.7046E-07	7.794E-07	3.46E-04	2.70E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
378	0.88088	8.7046E-07	7.6677E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
379	0.82994	8.7046E-07	7.2243E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.82E-12	1,000,000	9.82E-06
380	0.7734	8.7046E-07	6.7322E-07	3.46E-04	2.33E-10	0.25	1.57E-01	9.16E-12	1,000,000	9.16E-06
381	1.13793	8.7046E-07	9.9053E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
382	1.30617	8.7046E-07	1.137E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.50637	8.7046E-07	1.3112E-06	3.46E-04	4.54E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
384	1.74103	8.7046E-07	1.5155E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
385	2.00788	8.7046E-07	1.7478E-06	3.46E-04	6.05E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
386	2.29082	8.7046E-07	1.9941E-06	3.46E-04	6.90E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
387	2.55635	8.7046E-07	2.2252E-06	3.46E-04	7.70E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
388	2.75938	8.7046E-07	2.4019E-06	3.46E-04	8.31E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
389	2.8461	8.7046E-07	2.4774E-06	3.46E-04	8.58E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
390	2.79208	8.7046E-07	2.4304E-06	3.46E-04	8.41E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
391	2.61436	8.7046E-07	2.2757E-06	3.46E-04	7.88E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
392	2.36317	8.7046E-07	2.0571E-06	3.46E-04	7.12E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
393	2.08723	8.7046E-07	1.8169E-06	3.46E-04	6.29E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
394	1.82391	8.7046E-07	1.5876E-06	3.46E-04	5.50E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
395	1.58263	8.7046E-07	1.3776E-06	3.46E-04	4.77E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
396	1.37529	8.7046E-07	1.1971E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
397	1.19987	8.7046E-07	1.0444E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
398	1.05169	8.7046E-07	9.1546E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
399	1.24917	8.7046E-07	1.0874E-06	3.46E-04	3.76E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
400	1.46048	8.7046E-07	1.2713E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
401	1.72415	8.7046E-07	1.5008E-06	3.46E-04	5.20E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
402	2.05136	8.7046E-07	1.7856E-06	3.46E-04	6.18E-10	0.25	1.57E-01	2.43E-11	1,000,000	2.43E-05
403	2.44975	8.7046E-07	2.1324E-06	3.46E-04	7.38E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
404	2.90895	8.7046E-07	2.5321E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
405	3.3858	8.7046E-07	2.9472E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.01E-11	1,000,000	4.01E-05
406	3.77868	8.7046E-07	3.2892E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.47E-11	1,000,000	4.47E-05
407	3.95273	8.7046E-07	3.4407E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
408	3.84387	8.7046E-07	3.346E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
409	3.49489	8.7046E-07	3.0422E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
410	3.03415	8.7046E-07	2.6411E-06	3.46E-04	9.14E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
411	2.58087	8.7046E-07	2.2466E-06	3.46E-04	7.78E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
412	2.18083	8.7046E-07	1.8983E-06	3.46E-04	6.57E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
413	1.84007	8.7046E-07	1.6017E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
414	1.56279	8.7046E-07	1.3604E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
415	1.33722	8.7046E-07	1.164E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.15135	8.7046E-07	1.0022E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
417	1.35834	8.7046E-07	1.1824E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
418	1.61802	8.7046E-07	1.4084E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
419	1.95791	8.7046E-07	1.7043E-06	3.46E-04	5.90E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
420	2.40827	8.7046E-07	2.0963E-06	3.46E-04	7.26E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
421	3.00761	8.7046E-07	2.618E-06	3.46E-04	9.06E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
422	3.79151	8.7046E-07	3.3004E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
423	4.72877	8.7046E-07	4.1162E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.60E-11	1,000,000	5.60E-05
424	5.6051	8.7046E-07	4.879E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
425	6.00303	8.7046E-07	5.2254E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
426	5.70828	8.7046E-07	4.9689E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.76E-11	1,000,000	6.76E-05
427	4.90655	8.7046E-07	4.271E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
428	4.01501	8.7046E-07	3.4949E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.75E-11	1,000,000	4.75E-05
429	3.23512	8.7046E-07	2.8161E-06	3.46E-04	9.75E-10	0.25	1.57E-01	3.83E-11	1,000,000	3.83E-05
430	2.61309	8.7046E-07	2.2746E-06	3.46E-04	7.87E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
431	2.13531	8.7046E-07	1.8587E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
432	1.76912	8.7046E-07	1.54E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
433	1.48999	8.7046E-07	1.297E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
434	1.26508	8.7046E-07	1.1012E-06	3.46E-04	3.81E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
435	1.45649	8.7046E-07	1.2678E-06	3.46E-04	4.39E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
436	1.76515	8.7046E-07	1.5365E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
437	2.18858	8.7046E-07	1.9051E-06	3.46E-04	6.59E-10	0.25	1.57E-01	2.59E-11	1,000,000	2.59E-05
438	2.78828	8.7046E-07	2.4271E-06	3.46E-04	8.40E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
439	3.66978	8.7046E-07	3.1944E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
440	5.00756	8.7046E-07	4.3589E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.93E-11	1,000,000	5.93E-05
441	7.00155	8.7046E-07	6.0946E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.29E-11	1,000,000	8.29E-05
442	9.40256	8.7046E-07	8.1846E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
443	10.67411	8.7046E-07	9.2914E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
444	9.59239	8.7046E-07	8.3498E-06	3.46E-04	2.89E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
445	7.38451	8.7046E-07	6.428E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.74E-11	1,000,000	8.74E-05
446	5.4643	8.7046E-07	4.7565E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.47E-11	1,000,000	6.47E-05
447	4.09237	8.7046E-07	3.5623E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
448	3.13565	8.7046E-07	2.7295E-06	3.46E-04	9.45E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.47442	8.7046E-07	2.1539E-06	3.46E-04	7.46E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
450	2.00064	8.7046E-07	1.7415E-06	3.46E-04	6.03E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
451	1.64239	8.7046E-07	1.4296E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
452	1.37881	8.7046E-07	1.2002E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
453	1.45064	8.7046E-07	1.2627E-06	3.46E-04	4.37E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
454	1.8378	8.7046E-07	1.5997E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
455	2.3849	8.7046E-07	2.076E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
456	3.13227	8.7046E-07	2.7265E-06	3.46E-04	9.44E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05
457	4.33535	8.7046E-07	3.7738E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05
458	6.48256	8.7046E-07	5.6428E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.67E-11	1,000,000	7.67E-05
459	10.92107	8.7046E-07	9.5064E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
460	20.14887	8.7046E-07	1.7539E-05	3.46E-04	6.07E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
461	26.61609	8.7046E-07	2.3168E-05	3.46E-04	8.02E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
462	20.15059	8.7046E-07	1.754E-05	3.46E-04	6.07E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
463	12.00781	8.7046E-07	1.0452E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
464	7.57972	8.7046E-07	6.5979E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.97E-11	1,000,000	8.97E-05
465	5.17337	8.7046E-07	4.5032E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.12E-11	1,000,000	6.12E-05
466	3.75177	8.7046E-07	3.2658E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
467	2.84918	8.7046E-07	2.4801E-06	3.46E-04	8.59E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
468	2.23935	8.7046E-07	1.9493E-06	3.46E-04	6.75E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
469	1.80938	8.7046E-07	1.575E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
470	1.4957	8.7046E-07	1.302E-06	3.46E-04	4.51E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
471	1.37383	8.7046E-07	1.1959E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
472	1.77967	8.7046E-07	1.5491E-06	3.46E-04	5.36E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
473	2.38684	8.7046E-07	2.0777E-06	3.46E-04	7.19E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
474	3.27096	8.7046E-07	2.8473E-06	3.46E-04	9.86E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
475	4.7343	8.7046E-07	4.121E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.60E-11	1,000,000	5.60E-05
476	4.39563	8.7046E-07	3.8262E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.20E-11	1,000,000	5.20E-05
477	3.21315	8.7046E-07	2.7969E-06	3.46E-04	9.68E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
478	2.4792	8.7046E-07	2.1581E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
479	1.97133	8.7046E-07	1.716E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
480	1.60722	8.7046E-07	1.399E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
481	1.28345	8.7046E-07	1.1172E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.68446	8.7046E-07	1.4663E-06	3.46E-04	5.08E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
483	2.18902	8.7046E-07	1.9055E-06	3.46E-04	6.60E-10	0.25	1.57E-01	2.59E-11	1,000,000	2.59E-05
484	2.9983	8.7046E-07	2.6099E-06	3.46E-04	9.03E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
485	4.57357	8.7046E-07	3.9811E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
486	4.87535	8.7046E-07	4.2438E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.77E-11	1,000,000	5.77E-05
487	3.51539	8.7046E-07	3.06E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
488	2.66136	8.7046E-07	2.3166E-06	3.46E-04	8.02E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
489	2.09784	8.7046E-07	1.8261E-06	3.46E-04	6.32E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
490	1.69925	8.7046E-07	1.4791E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
491	1.14201	8.7046E-07	9.9408E-07	3.46E-04	3.44E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
492	1.47607	8.7046E-07	1.2849E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
493	1.90529	8.7046E-07	1.6585E-06	3.46E-04	5.74E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
494	2.63052	8.7046E-07	2.2898E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
495	3.90262	8.7046E-07	3.3971E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
496	21.29633	8.7046E-07	1.8538E-05	3.46E-04	6.42E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
497	64.93085	8.7046E-07	5.652E-05	3.46E-04	1.96E-08	0.25	1.57E-01	7.69E-10	1,000,000	7.69E-04
498	7.40304	8.7046E-07	6.4441E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.76E-11	1,000,000	8.76E-05
499	5.01424	8.7046E-07	4.3647E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.94E-11	1,000,000	5.94E-05
500	3.61822	8.7046E-07	3.1495E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
501	2.74594	8.7046E-07	2.3902E-06	3.46E-04	8.27E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
502	2.16033	8.7046E-07	1.8805E-06	3.46E-04	6.51E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
503	1.74918	8.7046E-07	1.5226E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
504	0.9962	8.7046E-07	8.6716E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
505	1.22363	8.7046E-07	1.0651E-06	3.46E-04	3.69E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
506	1.64824	8.7046E-07	1.4347E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
507	2.15022	8.7046E-07	1.8717E-06	3.46E-04	6.48E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
508	3.17206	8.7046E-07	2.7612E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.75E-11	1,000,000	3.75E-05
509	4.6742	8.7046E-07	4.0687E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
510	7.46213	8.7046E-07	6.4955E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.83E-11	1,000,000	8.83E-05
511	13.49284	8.7046E-07	1.1745E-05	3.46E-04	4.07E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
512	34.21317	8.7046E-07	2.9781E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.05E-10	1,000,000	4.05E-04
513	37.10096	8.7046E-07	3.2295E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.39E-10	1,000,000	4.39E-04
514	19.34041	8.7046E-07	1.6835E-05	3.46E-04	5.83E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	10.40013	8.7046E-07	9.0529E-06	3.46E-04	3.13E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
516	6.68319	8.7046E-07	5.8175E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
517	4.68517	8.7046E-07	4.0783E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.55E-11	1,000,000	5.55E-05
518	3.47401	8.7046E-07	3.024E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
519	2.68179	8.7046E-07	2.3344E-06	3.46E-04	8.08E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
520	2.13516	8.7046E-07	1.8586E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
521	1.74262	8.7046E-07	1.5169E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
522	0.84955	8.7046E-07	7.395E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
523	1.06272	8.7046E-07	9.2506E-07	3.46E-04	3.20E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
524	1.35389	8.7046E-07	1.1785E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
525	1.75201	8.7046E-07	1.5251E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
526	2.25922	8.7046E-07	1.9666E-06	3.46E-04	6.81E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
527	3.42423	8.7046E-07	2.9807E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
528	5.01398	8.7046E-07	4.3645E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.94E-11	1,000,000	5.94E-05
529	7.74952	8.7046E-07	6.7457E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.17E-11	1,000,000	9.17E-05
530	12.23932	8.7046E-07	1.0654E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
531	14.27362	8.7046E-07	1.2425E-05	3.46E-04	4.30E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
532	10.76133	8.7046E-07	9.3674E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
533	7.46367	8.7046E-07	6.4969E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.84E-11	1,000,000	8.84E-05
534	5.37244	8.7046E-07	4.6765E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.36E-11	1,000,000	6.36E-05
535	4.02758	8.7046E-07	3.5059E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
536	3.11986	8.7046E-07	2.7157E-06	3.46E-04	9.40E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
537	2.48214	8.7046E-07	2.1606E-06	3.46E-04	7.48E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
538	2.01968	8.7046E-07	1.7581E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
539	1.67413	8.7046E-07	1.4573E-06	3.46E-04	5.04E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
540	0.72531	8.7046E-07	6.3136E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.59E-12	1,000,000	8.59E-06
541	0.88692	8.7046E-07	7.7203E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
542	1.0973	8.7046E-07	9.5516E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
543	1.38299	8.7046E-07	1.2038E-06	3.46E-04	4.17E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
544	1.83881	8.7046E-07	1.6006E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
545	2.39425	8.7046E-07	2.0841E-06	3.46E-04	7.21E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
546	3.30261	8.7046E-07	2.8748E-06	3.46E-04	9.95E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
547	4.41912	8.7046E-07	3.8467E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	5.78368	8.7046E-07	5.0345E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
549	6.48448	8.7046E-07	5.6445E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.68E-11	1,000,000	7.68E-05
550	6.12296	8.7046E-07	5.3298E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.25E-11	1,000,000	7.25E-05
551	5.08735	8.7046E-07	4.4284E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.02E-11	1,000,000	6.02E-05
552	4.07223	8.7046E-07	3.5447E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
553	3.27538	8.7046E-07	2.8511E-06	3.46E-04	9.87E-10	0.25	1.57E-01	3.88E-11	1,000,000	3.88E-05
554	2.677	8.7046E-07	2.3302E-06	3.46E-04	8.07E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
555	2.20169	8.7046E-07	1.9165E-06	3.46E-04	6.63E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
556	1.84015	8.7046E-07	1.6018E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
557	1.55724	8.7046E-07	1.3555E-06	3.46E-04	4.69E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
558	0.62101	8.7046E-07	5.4057E-07	3.46E-04	1.87E-10	0.25	1.57E-01	7.35E-12	1,000,000	7.35E-06
559	0.74582	8.7046E-07	6.4921E-07	3.46E-04	2.25E-10	0.25	1.57E-01	8.83E-12	1,000,000	8.83E-06
560	0.87887	8.7046E-07	7.6503E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
561	1.08435	8.7046E-07	9.4389E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
562	1.31991	8.7046E-07	1.1489E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
563	1.66218	8.7046E-07	1.4469E-06	3.46E-04	5.01E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
564	2.20101	8.7046E-07	1.9159E-06	3.46E-04	6.63E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
565	2.73562	8.7046E-07	2.3813E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
566	3.39282	8.7046E-07	2.9533E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
567	3.72733	8.7046E-07	3.2445E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
568	3.82695	8.7046E-07	3.3312E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
569	3.32402	8.7046E-07	2.8934E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.93E-11	1,000,000	3.93E-05
570	2.88918	8.7046E-07	2.5149E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
571	2.55724	8.7046E-07	2.226E-06	3.46E-04	7.71E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05
572	2.2293	8.7046E-07	1.9405E-06	3.46E-04	6.72E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
573	1.90703	8.7046E-07	1.66E-06	3.46E-04	5.75E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
574	1.6335	8.7046E-07	1.4219E-06	3.46E-04	4.92E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
575	1.4133	8.7046E-07	1.2302E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.7046E-07	6.6386E-07	1.05E-03	6.94E-10	2.00	1.57E-01	2.18E-10	1,000,000	2.2E-04
2	8.7046E-07	7.3244E-07	1.05E-03	7.66E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
3	8.7046E-07	8.0871E-07	1.05E-03	8.45E-10	2.00	1.57E-01	2.66E-10	1,000,000	2.66E-04
4	8.7046E-07	8.9187E-07	1.05E-03	9.32E-10	2.00	1.57E-01	2.93E-10	1,000,000	2.93E-04
5	8.7046E-07	9.8109E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
6	8.7046E-07	1.0734E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.53E-10	1,000,000	3.53E-04
7	8.7046E-07	1.1624E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
8	8.7046E-07	1.2418E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.08E-10	1,000,000	4.08E-04
9	8.7046E-07	1.3045E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.29E-10	1,000,000	4.29E-04
10	8.7046E-07	1.3404E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
11	8.7046E-07	1.3445E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.42E-10	1,000,000	4.42E-04
12	8.7046E-07	1.3168E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
13	8.7046E-07	1.2614E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
14	8.7046E-07	1.1859E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
15	8.7046E-07	1.0992E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04
16	8.7046E-07	1.0075E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
17	8.7046E-07	9.1913E-07	1.05E-03	9.61E-10	2.00	1.57E-01	3.02E-10	1,000,000	3.02E-04
18	8.7046E-07	8.3506E-07	1.05E-03	8.73E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
19	8.7046E-07	7.5661E-07	1.05E-03	7.91E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
20	8.7046E-07	6.8701E-07	1.05E-03	7.18E-10	2.00	1.57E-01	2.26E-10	1,000,000	2.26E-04
21	8.7046E-07	6.2423E-07	1.05E-03	6.52E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
22	8.7046E-07	5.6754E-07	1.05E-03	5.93E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
23	8.7046E-07	7.2222E-07	1.05E-03	7.55E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
24	8.7046E-07	8.0612E-07	1.05E-03	8.43E-10	2.00	1.57E-01	2.65E-10	1,000,000	2.65E-04
25	8.7046E-07	9.019E-07	1.05E-03	9.43E-10	2.00	1.57E-01	2.96E-10	1,000,000	2.96E-04
26	8.7046E-07	1.0101E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.7046E-07	1.1297E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.71E-10	1,000,000	3.71E-04
28	8.7046E-07	1.2589E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
29	8.7046E-07	1.3882E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
30	8.7046E-07	1.5099E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
31	8.7046E-07	1.6062E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
32	8.7046E-07	1.6628E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.46E-10	1,000,000	5.46E-04
33	8.7046E-07	1.6678E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
34	8.7046E-07	1.6246E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.34E-10	1,000,000	5.34E-04
35	8.7046E-07	1.539E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
36	8.7046E-07	1.4261E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
37	8.7046E-07	1.2953E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
38	8.7046E-07	1.1673E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
39	8.7046E-07	1.0487E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
40	8.7046E-07	9.3866E-07	1.05E-03	9.81E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
41	8.7046E-07	8.392E-07	1.05E-03	8.77E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.76E-04
42	8.7046E-07	7.5147E-07	1.05E-03	7.85E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
43	8.7046E-07	6.7464E-07	1.05E-03	7.05E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
44	8.7046E-07	6.1093E-07	1.05E-03	6.39E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
45	8.7046E-07	7.8337E-07	1.05E-03	8.19E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
46	8.7046E-07	8.8529E-07	1.05E-03	9.25E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
47	8.7046E-07	1.0054E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.30E-10	1,000,000	3.30E-04
48	8.7046E-07	1.1461E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
49	8.7046E-07	1.3083E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
50	8.7046E-07	1.4907E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.90E-10	1,000,000	4.90E-04
51	8.7046E-07	1.6858E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.54E-10	1,000,000	5.54E-04
52	8.7046E-07	1.8767E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.16E-10	1,000,000	6.16E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.7046E-07	2.0377E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
54	8.7046E-07	2.1328E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.01E-10	1,000,000	7.01E-04
55	8.7046E-07	2.1422E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
56	8.7046E-07	2.0652E-06	1.05E-03	2.16E-09	2.00	1.57E-01	6.78E-10	1,000,000	6.78E-04
57	8.7046E-07	1.9207E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.31E-10	1,000,000	6.31E-04
58	8.7046E-07	1.7444E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
59	8.7046E-07	1.5472E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.08E-10	1,000,000	5.08E-04
60	8.7046E-07	1.3632E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.48E-10	1,000,000	4.48E-04
61	8.7046E-07	1.2006E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
62	8.7046E-07	1.0552E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
63	8.7046E-07	9.2986E-07	1.05E-03	9.72E-10	2.00	1.57E-01	3.05E-10	1,000,000	3.05E-04
64	8.7046E-07	8.2317E-07	1.05E-03	8.60E-10	2.00	1.57E-01	2.70E-10	1,000,000	2.70E-04
65	8.7046E-07	7.3297E-07	1.05E-03	7.66E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
66	8.7046E-07	6.5623E-07	1.05E-03	6.86E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
67	8.7046E-07	8.4543E-07	1.05E-03	8.84E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
68	8.7046E-07	9.6783E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.18E-10	1,000,000	3.18E-04
69	8.7046E-07	1.1169E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
70	8.7046E-07	1.2983E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
71	8.7046E-07	1.5186E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
72	8.7046E-07	1.7814E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.85E-10	1,000,000	5.85E-04
73	8.7046E-07	2.0832E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.84E-10	1,000,000	6.84E-04
74	8.7046E-07	2.3995E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.88E-10	1,000,000	7.88E-04
75	8.7046E-07	2.6838E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.82E-10	1,000,000	8.82E-04
76	8.7046E-07	2.8656E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.41E-10	1,000,000	9.41E-04
77	8.7046E-07	2.8861E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.48E-10	1,000,000	9.48E-04
78	8.7046E-07	2.7431E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.01E-10	1,000,000	9.01E-04
79	8.7046E-07	2.4774E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.14E-10	1,000,000	8.14E-04
80	8.7046E-07	2.1707E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.13E-10	1,000,000	7.13E-04
81	8.7046E-07	1.8706E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.14E-10	1,000,000	6.14E-04
82	8.7046E-07	1.607E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
83	8.7046E-07	1.3775E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.52E-10	1,000,000	4.52E-04
84	8.7046E-07	1.1879E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
85	8.7046E-07	1.0254E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.7046E-07	8.9931E-07	1.05E-03	9.40E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
87	8.7046E-07	7.9178E-07	1.05E-03	8.28E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
88	8.7046E-07	7.0304E-07	1.05E-03	7.35E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04
89	8.7046E-07	9.0539E-07	1.05E-03	9.46E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
90	8.7046E-07	1.05E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
91	8.7046E-07	1.2317E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.05E-10	1,000,000	4.05E-04
92	8.7046E-07	1.4627E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.81E-10	1,000,000	4.81E-04
93	8.7046E-07	1.759E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
94	8.7046E-07	2.1373E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.02E-10	1,000,000	7.02E-04
95	8.7046E-07	2.6129E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.58E-10	1,000,000	8.58E-04
96	8.7046E-07	3.1718E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
97	8.7046E-07	3.7348E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
98	8.7046E-07	4.121E-06	1.05E-03	4.31E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
99	8.7046E-07	4.1509E-06	1.05E-03	4.34E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
100	8.7046E-07	3.8265E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
101	8.7046E-07	3.3039E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
102	8.7046E-07	2.7593E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.06E-10	1,000,000	9.06E-04
103	8.7046E-07	2.2835E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.50E-10	1,000,000	7.50E-04
104	8.7046E-07	1.8905E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
105	8.7046E-07	1.5808E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.19E-10	1,000,000	5.19E-04
106	8.7046E-07	1.3335E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.38E-10	1,000,000	4.38E-04
107	8.7046E-07	1.1362E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04
108	8.7046E-07	9.7946E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
109	8.7046E-07	8.5286E-07	1.05E-03	8.91E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
110	8.7046E-07	7.5122E-07	1.05E-03	7.85E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
111	8.7046E-07	9.5957E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
112	8.7046E-07	1.1264E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
113	8.7046E-07	1.3418E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.41E-10	1,000,000	4.41E-04
114	8.7046E-07	1.6273E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.35E-10	1,000,000	5.35E-04
115	8.7046E-07	2.0156E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.62E-10	1,000,000	6.62E-04
116	8.7046E-07	2.5525E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.38E-10	1,000,000	8.38E-04
117	8.7046E-07	3.3076E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
118	8.7046E-07	4.3504E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.7046E-07	5.6103E-06	1.05E-03	5.86E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.84E-03
120	8.7046E-07	6.6186E-06	1.05E-03	6.92E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
121	8.7046E-07	6.6851E-06	1.05E-03	6.99E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
122	8.7046E-07	5.7828E-06	1.05E-03	6.04E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
123	8.7046E-07	4.6026E-06	1.05E-03	4.81E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
124	8.7046E-07	3.5798E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
125	8.7046E-07	2.804E-06	1.05E-03	2.93E-09	2.00	1.57E-01	9.21E-10	1,000,000	9.21E-04
126	8.7046E-07	2.2283E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.32E-10	1,000,000	7.32E-04
127	8.7046E-07	1.808E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.94E-10	1,000,000	5.94E-04
128	8.7046E-07	1.4926E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.90E-10	1,000,000	4.90E-04
129	8.7046E-07	1.2499E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.11E-10	1,000,000	4.11E-04
130	8.7046E-07	1.0643E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.50E-10	1,000,000	3.50E-04
131	8.7046E-07	9.1685E-07	1.05E-03	9.58E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
132	8.7046E-07	8.0038E-07	1.05E-03	8.37E-10	2.00	1.57E-01	2.63E-10	1,000,000	2.63E-04
133	8.7046E-07	9.7915E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
134	8.7046E-07	1.1765E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
135	8.7046E-07	1.4224E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
136	8.7046E-07	1.7768E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.84E-10	1,000,000	5.84E-04
137	8.7046E-07	2.2619E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.43E-10	1,000,000	7.43E-04
138	8.7046E-07	2.9873E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.81E-10	1,000,000	9.81E-04
139	8.7046E-07	4.1431E-06	1.05E-03	4.33E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
140	8.7046E-07	6.1168E-06	1.05E-03	6.39E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
141	8.7046E-07	9.4279E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
142	8.7046E-07	1.3103E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.30E-09	1,000,000	4.30E-03
143	8.7046E-07	1.3166E-05	1.05E-03	1.38E-08	2.00	1.57E-01	4.33E-09	1,000,000	4.33E-03
144	8.7046E-07	9.799E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
145	8.7046E-07	6.7034E-06	1.05E-03	7.01E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
146	8.7046E-07	4.7023E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
147	8.7046E-07	3.4462E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
148	8.7046E-07	2.619E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.60E-10	1,000,000	8.60E-04
149	8.7046E-07	2.061E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.77E-10	1,000,000	6.77E-04
150	8.7046E-07	1.6598E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
151	8.7046E-07	1.3672E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.49E-10	1,000,000	4.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.7046E-07	1.1501E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
153	8.7046E-07	9.8165E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
154	8.7046E-07	8.4955E-07	1.05E-03	8.88E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
155	8.7046E-07	8.9159E-07	1.05E-03	9.32E-10	2.00	1.57E-01	2.93E-10	1,000,000	2.93E-04
156	8.7046E-07	1.0898E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
157	8.7046E-07	1.3947E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.58E-10	1,000,000	4.58E-04
158	8.7046E-07	1.7692E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
159	8.7046E-07	2.4235E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.96E-10	1,000,000	7.96E-04
160	8.7046E-07	3.3422E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
161	8.7046E-07	4.9107E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
162	8.7046E-07	8.2375E-06	1.05E-03	8.61E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
163	8.7046E-07	1.8478E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.07E-09	1,000,000	6.07E-03
164	8.7046E-07	4.6272E-05	1.05E-03	4.84E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
165	8.7046E-07	4.4676E-05	1.05E-03	4.67E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
166	8.7046E-07	1.9435E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.38E-09	1,000,000	6.38E-03
167	8.7046E-07	1.005E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.30E-09	1,000,000	3.30E-03
168	8.7046E-07	6.175E-06	1.05E-03	6.45E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
169	8.7046E-07	4.2016E-06	1.05E-03	4.39E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
170	8.7046E-07	3.0467E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
171	8.7046E-07	2.3159E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.61E-10	1,000,000	7.61E-04
172	8.7046E-07	1.8329E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
173	8.7046E-07	1.4872E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.89E-10	1,000,000	4.89E-04
174	8.7046E-07	1.2353E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
175	8.7046E-07	1.0462E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
176	8.7046E-07	8.9875E-07	1.05E-03	9.39E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
177	8.7046E-07	8.4604E-07	1.05E-03	8.84E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
178	8.7046E-07	1.0542E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
179	8.7046E-07	1.3649E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.48E-10	1,000,000	4.48E-04
180	8.7046E-07	1.7925E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.89E-10	1,000,000	5.89E-04
181	8.7046E-07	2.4415E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.02E-10	1,000,000	8.02E-04
182	8.7046E-07	3.423E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
183	8.7046E-07	5.2181E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
184	8.7046E-07	4.9102E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.7046E-07	3.428E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
186	8.7046E-07	2.5611E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.41E-10	1,000,000	8.41E-04
187	8.7046E-07	1.9882E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.53E-10	1,000,000	6.53E-04
188	8.7046E-07	1.5936E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
189	8.7046E-07	1.3123E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.31E-10	1,000,000	4.31E-04
190	8.7046E-07	1.1027E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
191	8.7046E-07	9.4163E-07	1.05E-03	9.84E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
192	8.7046E-07	7.6921E-07	1.05E-03	8.04E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
193	8.7046E-07	9.4937E-07	1.05E-03	9.92E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
194	8.7046E-07	1.2306E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
195	8.7046E-07	1.6091E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.29E-10	1,000,000	5.29E-04
196	8.7046E-07	2.2099E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.26E-10	1,000,000	7.26E-04
197	8.7046E-07	3.0463E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
198	8.7046E-07	4.6557E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
199	8.7046E-07	3.3281E-05	1.05E-03	3.48E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
200	8.7046E-07	5.2789E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
201	8.7046E-07	3.6647E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
202	8.7046E-07	2.7035E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.88E-10	1,000,000	8.88E-04
203	8.7046E-07	2.0903E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
204	8.7046E-07	1.6686E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
205	8.7046E-07	1.3676E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.49E-10	1,000,000	4.49E-04
206	8.7046E-07	1.1445E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
207	8.7046E-07	9.7497E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.20E-10	1,000,000	3.20E-04
208	8.7046E-07	6.8914E-07	1.05E-03	7.20E-10	2.00	1.57E-01	2.26E-10	1,000,000	2.26E-04
209	8.7046E-07	8.4606E-07	1.05E-03	8.84E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
210	8.7046E-07	1.0258E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
211	8.7046E-07	1.3551E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
212	8.7046E-07	1.7927E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.89E-10	1,000,000	5.89E-04
213	8.7046E-07	2.5333E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
214	8.7046E-07	3.8426E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
215	8.7046E-07	6.0006E-06	1.05E-03	6.27E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
216	8.7046E-07	1.1099E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
217	8.7046E-07	2.376E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.80E-09	1,000,000	7.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.7046E-07	7.7864E-06	1.05E-03	8.14E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
219	8.7046E-07	5.1056E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
220	8.7046E-07	3.621E-06	1.05E-03	3.78E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
221	8.7046E-07	2.7087E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.90E-10	1,000,000	8.90E-04
222	8.7046E-07	2.1071E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.92E-10	1,000,000	6.92E-04
223	8.7046E-07	1.6894E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
224	8.7046E-07	1.3876E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
225	8.7046E-07	1.1624E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
226	8.7046E-07	9.9067E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
227	8.7046E-07	6.0728E-07	1.05E-03	6.35E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
228	8.7046E-07	7.2765E-07	1.05E-03	7.61E-10	2.00	1.57E-01	2.39E-10	1,000,000	2.39E-04
229	8.7046E-07	8.8703E-07	1.05E-03	9.27E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
230	8.7046E-07	1.1224E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
231	8.7046E-07	1.4674E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
232	8.7046E-07	1.9331E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04
233	8.7046E-07	2.8746E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.44E-10	1,000,000	9.44E-04
234	8.7046E-07	4.2849E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
235	8.7046E-07	6.9405E-06	1.05E-03	7.25E-09	2.00	1.57E-01	2.28E-09	1,000,000	2.28E-03
236	8.7046E-07	1.2319E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
237	8.7046E-07	2.3412E-05	1.05E-03	2.45E-08	2.00	1.57E-01	7.69E-09	1,000,000	7.69E-03
238	8.7046E-07	1.7545E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.76E-09	1,000,000	5.76E-03
239	8.7046E-07	9.8202E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
240	8.7046E-07	6.347E-06	1.05E-03	6.63E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
241	8.7046E-07	4.4578E-06	1.05E-03	4.66E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
242	8.7046E-07	3.3039E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
243	8.7046E-07	2.5453E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
244	8.7046E-07	2.0205E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.64E-10	1,000,000	6.64E-04
245	8.7046E-07	1.6435E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
246	8.7046E-07	1.3638E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.48E-10	1,000,000	4.48E-04
247	8.7046E-07	1.1509E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
248	8.7046E-07	9.8573E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
249	8.7046E-07	5.3647E-07	1.05E-03	5.61E-10	2.00	1.57E-01	1.76E-10	1,000,000	1.76E-04
250	8.7046E-07	6.2997E-07	1.05E-03	6.58E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.7046E-07	7.5044E-07	1.05E-03	7.84E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
252	8.7046E-07	9.3519E-07	1.05E-03	9.77E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04
253	8.7046E-07	1.1758E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
254	8.7046E-07	1.586E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
255	8.7046E-07	2.113E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.94E-10	1,000,000	6.94E-04
256	8.7046E-07	3.0762E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
257	8.7046E-07	4.2625E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
258	8.7046E-07	5.8994E-06	1.05E-03	6.17E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
259	8.7046E-07	7.791E-06	1.05E-03	8.14E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
260	8.7046E-07	7.6573E-06	1.05E-03	8.00E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
261	8.7046E-07	6.1337E-06	1.05E-03	6.41E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
262	8.7046E-07	4.6664E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
263	8.7046E-07	3.5917E-06	1.05E-03	3.75E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
264	8.7046E-07	2.8229E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.27E-10	1,000,000	9.27E-04
265	8.7046E-07	2.2657E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
266	8.7046E-07	1.8516E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.08E-10	1,000,000	6.08E-04
267	8.7046E-07	1.5389E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
268	8.7046E-07	1.2976E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
269	8.7046E-07	1.1084E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.64E-10	1,000,000	3.64E-04
270	8.7046E-07	9.5798E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
271	8.7046E-07	4.6274E-07	1.05E-03	4.84E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
272	8.7046E-07	5.3475E-07	1.05E-03	5.59E-10	2.00	1.57E-01	1.76E-10	1,000,000	1.76E-04
273	8.7046E-07	6.3428E-07	1.05E-03	6.63E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
274	8.7046E-07	7.63E-07	1.05E-03	7.97E-10	2.00	1.57E-01	2.51E-10	1,000,000	2.51E-04
275	8.7046E-07	9.3738E-07	1.05E-03	9.80E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
276	8.7046E-07	1.1991E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
277	8.7046E-07	1.5493E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
278	8.7046E-07	1.9933E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.55E-10	1,000,000	6.55E-04
279	8.7046E-07	2.6488E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.70E-10	1,000,000	8.70E-04
280	8.7046E-07	3.3752E-06	1.05E-03	3.53E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
281	8.7046E-07	4.028E-06	1.05E-03	4.21E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
282	8.7046E-07	4.285E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
283	8.7046E-07	3.9172E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.7046E-07	3.2137E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
285	8.7046E-07	2.7603E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
286	8.7046E-07	2.3268E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.64E-10	1,000,000	7.64E-04
287	8.7046E-07	1.9498E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.41E-10	1,000,000	6.41E-04
288	8.7046E-07	1.6409E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.39E-10	1,000,000	5.39E-04
289	8.7046E-07	1.3972E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.59E-10	1,000,000	4.59E-04
290	8.7046E-07	1.2016E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
291	8.7046E-07	1.0421E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
292	8.7046E-07	9.1143E-07	1.05E-03	9.53E-10	2.00	1.57E-01	2.99E-10	1,000,000	2.99E-04
293	8.7046E-07	4.0231E-07	1.05E-03	4.20E-10	2.00	1.57E-01	1.32E-10	1,000,000	1.32E-04
294	8.7046E-07	4.6229E-07	1.05E-03	4.83E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
295	8.7046E-07	5.3628E-07	1.05E-03	5.61E-10	2.00	1.57E-01	1.76E-10	1,000,000	1.76E-04
296	8.7046E-07	6.2475E-07	1.05E-03	6.53E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
297	8.7046E-07	7.5803E-07	1.05E-03	7.92E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
298	8.7046E-07	9.2267E-07	1.05E-03	9.64E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
299	8.7046E-07	1.1401E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
300	8.7046E-07	1.4542E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.78E-10	1,000,000	4.78E-04
301	8.7046E-07	1.7316E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.69E-10	1,000,000	5.69E-04
302	8.7046E-07	2.1582E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
303	8.7046E-07	2.483E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.16E-10	1,000,000	8.16E-04
304	8.7046E-07	2.7078E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
305	8.7046E-07	2.6008E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
306	8.7046E-07	2.2907E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.52E-10	1,000,000	7.52E-04
307	8.7046E-07	2.0547E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.75E-10	1,000,000	6.75E-04
308	8.7046E-07	1.8339E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
309	8.7046E-07	1.6463E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.41E-10	1,000,000	5.41E-04
310	8.7046E-07	1.4369E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
311	8.7046E-07	1.2521E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.11E-10	1,000,000	4.11E-04
312	8.7046E-07	1.0913E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
313	8.7046E-07	9.6139E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
314	8.7046E-07	8.5186E-07	1.05E-03	8.90E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
315	8.7046E-07	3.4334E-07	1.05E-03	3.59E-10	2.00	1.57E-01	1.13E-10	1,000,000	1.13E-04
316	8.7046E-07	3.9166E-07	1.05E-03	4.09E-10	2.00	1.57E-01	1.29E-10	1,000,000	1.29E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.7046E-07	4.4779E-07	1.05E-03	4.68E-10	2.00	1.57E-01	1.47E-10	1,000,000	1.47E-04
318	8.7046E-07	5.1375E-07	1.05E-03	5.37E-10	2.00	1.57E-01	1.69E-10	1,000,000	1.69E-04
319	8.7046E-07	5.8959E-07	1.05E-03	6.16E-10	2.00	1.57E-01	1.94E-10	1,000,000	1.94E-04
320	8.7046E-07	7.2893E-07	1.05E-03	7.62E-10	2.00	1.57E-01	2.39E-10	1,000,000	2.39E-04
321	8.7046E-07	8.5736E-07	1.05E-03	8.96E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
322	8.7046E-07	1.03E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.38E-10	1,000,000	3.38E-04
323	8.7046E-07	1.2559E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
324	8.7046E-07	1.4711E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
325	8.7046E-07	1.6717E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
326	8.7046E-07	1.8171E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
327	8.7046E-07	2.0355E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
328	8.7046E-07	1.6346E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.37E-10	1,000,000	5.37E-04
329	8.7046E-07	1.5201E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
330	8.7046E-07	1.4361E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
331	8.7046E-07	1.3375E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
332	8.7046E-07	1.2267E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
333	8.7046E-07	1.1143E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.66E-10	1,000,000	3.66E-04
334	8.7046E-07	9.9114E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.26E-10	1,000,000	3.26E-04
335	8.7046E-07	8.8356E-07	1.05E-03	9.24E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
336	8.7046E-07	7.8652E-07	1.05E-03	8.22E-10	2.00	1.57E-01	2.58E-10	1,000,000	2.58E-04
337	8.7046E-07	3.0119E-07	1.05E-03	3.15E-10	2.00	1.57E-01	9.89E-11	1,000,000	9.89E-05
338	8.7046E-07	3.3714E-07	1.05E-03	3.52E-10	2.00	1.57E-01	1.11E-10	1,000,000	1.11E-04
339	8.7046E-07	3.7508E-07	1.05E-03	3.92E-10	2.00	1.57E-01	1.23E-10	1,000,000	1.23E-04
340	8.7046E-07	4.311E-07	1.05E-03	4.51E-10	2.00	1.57E-01	1.42E-10	1,000,000	1.42E-04
341	8.7046E-07	4.8683E-07	1.05E-03	5.09E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
342	8.7046E-07	5.8334E-07	1.05E-03	6.10E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
343	8.7046E-07	6.6498E-07	1.05E-03	6.95E-10	2.00	1.57E-01	2.18E-10	1,000,000	2.18E-04
344	8.7046E-07	7.8199E-07	1.05E-03	8.17E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
345	8.7046E-07	9.1377E-07	1.05E-03	9.55E-10	2.00	1.57E-01	3.00E-10	1,000,000	3.00E-04
346	8.7046E-07	1.073E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.52E-10	1,000,000	3.52E-04
347	8.7046E-07	1.1764E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
348	8.7046E-07	1.2685E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
349	8.7046E-07	1.1641E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.7046E-07	1.1483E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.77E-10	1,000,000	3.77E-04
351	8.7046E-07	1.1242E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
352	8.7046E-07	1.0559E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
353	8.7046E-07	1.0612E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
354	8.7046E-07	1.0072E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
355	8.7046E-07	9.5567E-07	1.05E-03	9.99E-10	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
356	8.7046E-07	8.8253E-07	1.05E-03	9.22E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
357	8.7046E-07	8.1743E-07	1.05E-03	8.54E-10	2.00	1.57E-01	2.69E-10	1,000,000	2.69E-04
358	8.7046E-07	7.5019E-07	1.05E-03	7.84E-10	2.00	1.57E-01	2.46E-10	1,000,000	2.46E-04
359	8.7046E-07	2.5935E-07	1.05E-03	2.71E-10	2.00	1.57E-01	8.52E-11	1,000,000	8.52E-05
360	8.7046E-07	2.895E-07	1.05E-03	3.03E-10	2.00	1.57E-01	9.51E-11	1,000,000	9.51E-05
361	8.7046E-07	3.2148E-07	1.05E-03	3.36E-10	2.00	1.57E-01	1.06E-10	1,000,000	1.06E-04
362	8.7046E-07	3.5872E-07	1.05E-03	3.75E-10	2.00	1.57E-01	1.18E-10	1,000,000	1.18E-04
363	8.7046E-07	3.9845E-07	1.05E-03	4.16E-10	2.00	1.57E-01	1.31E-10	1,000,000	1.31E-04
364	8.7046E-07	4.5957E-07	1.05E-03	4.80E-10	2.00	1.57E-01	1.51E-10	1,000,000	1.51E-04
365	8.7046E-07	5.292E-07	1.05E-03	5.53E-10	2.00	1.57E-01	1.74E-10	1,000,000	1.74E-04
366	8.7046E-07	6.1248E-07	1.05E-03	6.40E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
367	8.7046E-07	7.1657E-07	1.05E-03	7.49E-10	2.00	1.57E-01	2.35E-10	1,000,000	2.35E-04
368	8.7046E-07	7.9907E-07	1.05E-03	8.35E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
369	8.7046E-07	8.4936E-07	1.05E-03	8.88E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
370	8.7046E-07	8.6088E-07	1.05E-03	9.00E-10	2.00	1.57E-01	2.83E-10	1,000,000	2.83E-04
371	8.7046E-07	8.817E-07	1.05E-03	9.22E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
372	8.7046E-07	8.7466E-07	1.05E-03	9.14E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
373	8.7046E-07	8.3619E-07	1.05E-03	8.74E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
374	8.7046E-07	7.9892E-07	1.05E-03	8.35E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
375	8.7046E-07	8.1404E-07	1.05E-03	8.51E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
376	8.7046E-07	7.9255E-07	1.05E-03	8.28E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
377	8.7046E-07	7.794E-07	1.05E-03	8.15E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
378	8.7046E-07	7.6677E-07	1.05E-03	8.01E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
379	8.7046E-07	7.2243E-07	1.05E-03	7.55E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
380	8.7046E-07	6.7322E-07	1.05E-03	7.04E-10	2.00	1.57E-01	2.21E-10	1,000,000	2.21E-04
381	8.7046E-07	9.9053E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
382	8.7046E-07	1.137E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.73E-10	1,000,000	3.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.7046E-07	1.3112E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.31E-10	1,000,000	4.31E-04
384	8.7046E-07	1.5155E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
385	8.7046E-07	1.7478E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.74E-10	1,000,000	5.74E-04
386	8.7046E-07	1.9941E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.55E-10	1,000,000	6.55E-04
387	8.7046E-07	2.2252E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.31E-10	1,000,000	7.31E-04
388	8.7046E-07	2.4019E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.89E-10	1,000,000	7.89E-04
389	8.7046E-07	2.4774E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.14E-10	1,000,000	8.14E-04
390	8.7046E-07	2.4304E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.98E-10	1,000,000	7.98E-04
391	8.7046E-07	2.2757E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.48E-10	1,000,000	7.48E-04
392	8.7046E-07	2.0571E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
393	8.7046E-07	1.8169E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
394	8.7046E-07	1.5876E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.22E-10	1,000,000	5.22E-04
395	8.7046E-07	1.3776E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.53E-10	1,000,000	4.53E-04
396	8.7046E-07	1.1971E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
397	8.7046E-07	1.0444E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.43E-10	1,000,000	3.43E-04
398	8.7046E-07	9.1546E-07	1.05E-03	9.57E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
399	8.7046E-07	1.0874E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.57E-10	1,000,000	3.57E-04
400	8.7046E-07	1.2713E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
401	8.7046E-07	1.5008E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.93E-10	1,000,000	4.93E-04
402	8.7046E-07	1.7856E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.87E-10	1,000,000	5.87E-04
403	8.7046E-07	2.1324E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.00E-10	1,000,000	7.00E-04
404	8.7046E-07	2.5321E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
405	8.7046E-07	2.9472E-06	1.05E-03	3.08E-09	2.00	1.57E-01	9.68E-10	1,000,000	9.68E-04
406	8.7046E-07	3.2892E-06	1.05E-03	3.44E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
407	8.7046E-07	3.4407E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
408	8.7046E-07	3.346E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
409	8.7046E-07	3.0422E-06	1.05E-03	3.18E-09	2.00	1.57E-01	9.99E-10	1,000,000	9.99E-04
410	8.7046E-07	2.6411E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.68E-10	1,000,000	8.68E-04
411	8.7046E-07	2.2466E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.38E-10	1,000,000	7.38E-04
412	8.7046E-07	1.8983E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.24E-10	1,000,000	6.24E-04
413	8.7046E-07	1.6017E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
414	8.7046E-07	1.3604E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
415	8.7046E-07	1.164E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.7046E-07	1.0022E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
417	8.7046E-07	1.1824E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
418	8.7046E-07	1.4084E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
419	8.7046E-07	1.7043E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.60E-10	1,000,000	5.60E-04
420	8.7046E-07	2.0963E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.89E-10	1,000,000	6.89E-04
421	8.7046E-07	2.618E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.60E-10	1,000,000	8.60E-04
422	8.7046E-07	3.3004E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
423	8.7046E-07	4.1162E-06	1.05E-03	4.30E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
424	8.7046E-07	4.879E-06	1.05E-03	5.10E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
425	8.7046E-07	5.2254E-06	1.05E-03	5.46E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
426	8.7046E-07	4.9689E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
427	8.7046E-07	4.271E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
428	8.7046E-07	3.4949E-06	1.05E-03	3.65E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
429	8.7046E-07	2.8161E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.25E-10	1,000,000	9.25E-04
430	8.7046E-07	2.2746E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.47E-10	1,000,000	7.47E-04
431	8.7046E-07	1.8587E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.11E-10	1,000,000	6.11E-04
432	8.7046E-07	1.54E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
433	8.7046E-07	1.297E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
434	8.7046E-07	1.1012E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
435	8.7046E-07	1.2678E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.16E-10	1,000,000	4.16E-04
436	8.7046E-07	1.5365E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
437	8.7046E-07	1.9051E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.26E-10	1,000,000	6.26E-04
438	8.7046E-07	2.4271E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.97E-10	1,000,000	7.97E-04
439	8.7046E-07	3.1944E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
440	8.7046E-07	4.3589E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
441	8.7046E-07	6.0946E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
442	8.7046E-07	8.1846E-06	1.05E-03	8.55E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
443	8.7046E-07	9.2914E-06	1.05E-03	9.71E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
444	8.7046E-07	8.3498E-06	1.05E-03	8.73E-09	2.00	1.57E-01	2.74E-09	1,000,000	2.74E-03
445	8.7046E-07	6.428E-06	1.05E-03	6.72E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
446	8.7046E-07	4.7565E-06	1.05E-03	4.97E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
447	8.7046E-07	3.5623E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
448	8.7046E-07	2.7295E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.97E-10	1,000,000	8.97E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.7046E-07	2.1539E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.08E-10	1,000,000	7.08E-04
450	8.7046E-07	1.7415E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.72E-10	1,000,000	5.72E-04
451	8.7046E-07	1.4296E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
452	8.7046E-07	1.2002E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
453	8.7046E-07	1.2627E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
454	8.7046E-07	1.5997E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
455	8.7046E-07	2.076E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
456	8.7046E-07	2.7265E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.96E-10	1,000,000	8.96E-04
457	8.7046E-07	3.7738E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
458	8.7046E-07	5.6428E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
459	8.7046E-07	9.5064E-06	1.05E-03	9.94E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
460	8.7046E-07	1.7539E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.76E-09	1,000,000	5.76E-03
461	8.7046E-07	2.3168E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.61E-09	1,000,000	7.61E-03
462	8.7046E-07	1.754E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.76E-09	1,000,000	5.76E-03
463	8.7046E-07	1.0452E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
464	8.7046E-07	6.5979E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
465	8.7046E-07	4.5032E-06	1.05E-03	4.71E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
466	8.7046E-07	3.2658E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
467	8.7046E-07	2.4801E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.15E-10	1,000,000	8.15E-04
468	8.7046E-07	1.9493E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.40E-10	1,000,000	6.40E-04
469	8.7046E-07	1.575E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
470	8.7046E-07	1.302E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.28E-10	1,000,000	4.28E-04
471	8.7046E-07	1.1959E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
472	8.7046E-07	1.5491E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
473	8.7046E-07	2.0777E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
474	8.7046E-07	2.8473E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
475	8.7046E-07	4.121E-06	1.05E-03	4.31E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
476	8.7046E-07	3.8262E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
477	8.7046E-07	2.7969E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.19E-10	1,000,000	9.19E-04
478	8.7046E-07	2.1581E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
479	8.7046E-07	1.716E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04
480	8.7046E-07	1.399E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.60E-10	1,000,000	4.60E-04
481	8.7046E-07	1.1172E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.7046E-07	1.4663E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
483	8.7046E-07	1.9055E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.26E-10	1,000,000	6.26E-04
484	8.7046E-07	2.6099E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.57E-10	1,000,000	8.57E-04
485	8.7046E-07	3.9811E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
486	8.7046E-07	4.2438E-06	1.05E-03	4.44E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
487	8.7046E-07	3.06E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
488	8.7046E-07	2.3166E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.61E-10	1,000,000	7.61E-04
489	8.7046E-07	1.8261E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
490	8.7046E-07	1.4791E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
491	8.7046E-07	9.9408E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.27E-10	1,000,000	3.27E-04
492	8.7046E-07	1.2849E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04
493	8.7046E-07	1.6585E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
494	8.7046E-07	2.2898E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.52E-10	1,000,000	7.52E-04
495	8.7046E-07	3.3971E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
496	8.7046E-07	1.8538E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.09E-09	1,000,000	6.09E-03
497	8.7046E-07	5.652E-05	1.05E-03	5.91E-08	2.00	1.57E-01	1.86E-08	1,000,000	1.86E-02
498	8.7046E-07	6.4441E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
499	8.7046E-07	4.3647E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
500	8.7046E-07	3.1495E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
501	8.7046E-07	2.3902E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.85E-10	1,000,000	7.85E-04
502	8.7046E-07	1.8805E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.18E-10	1,000,000	6.18E-04
503	8.7046E-07	1.5226E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
504	8.7046E-07	8.6716E-07	1.05E-03	9.06E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
505	8.7046E-07	1.0651E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.50E-10	1,000,000	3.50E-04
506	8.7046E-07	1.4347E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
507	8.7046E-07	1.8717E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.15E-10	1,000,000	6.15E-04
508	8.7046E-07	2.7612E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
509	8.7046E-07	4.0687E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
510	8.7046E-07	6.4955E-06	1.05E-03	6.79E-09	2.00	1.57E-01	2.13E-09	1,000,000	2.13E-03
511	8.7046E-07	1.1745E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.86E-09	1,000,000	3.86E-03
512	8.7046E-07	2.9781E-05	1.05E-03	3.11E-08	2.00	1.57E-01	9.78E-09	1,000,000	9.78E-03
513	8.7046E-07	3.2295E-05	1.05E-03	3.38E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
514	8.7046E-07	1.6835E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.53E-09	1,000,000	5.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.7046E-07	9.0529E-06	1.05E-03	9.46E-09	2.00	1.57E-01	2.97E-09	1,000,000	2.97E-03
516	8.7046E-07	5.8175E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
517	8.7046E-07	4.0783E-06	1.05E-03	4.26E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
518	8.7046E-07	3.024E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.93E-10	1,000,000	9.93E-04
519	8.7046E-07	2.3344E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.67E-10	1,000,000	7.67E-04
520	8.7046E-07	1.8586E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.11E-10	1,000,000	6.11E-04
521	8.7046E-07	1.5169E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.98E-10	1,000,000	4.98E-04
522	8.7046E-07	7.395E-07	1.05E-03	7.73E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
523	8.7046E-07	9.2506E-07	1.05E-03	9.67E-10	2.00	1.57E-01	3.04E-10	1,000,000	3.04E-04
524	8.7046E-07	1.1785E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
525	8.7046E-07	1.5251E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
526	8.7046E-07	1.9666E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.46E-10	1,000,000	6.46E-04
527	8.7046E-07	2.9807E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04
528	8.7046E-07	4.3645E-06	1.05E-03	4.56E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
529	8.7046E-07	6.7457E-06	1.05E-03	7.05E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
530	8.7046E-07	1.0654E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
531	8.7046E-07	1.2425E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.08E-09	1,000,000	4.08E-03
532	8.7046E-07	9.3674E-06	1.05E-03	9.79E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
533	8.7046E-07	6.4969E-06	1.05E-03	6.79E-09	2.00	1.57E-01	2.13E-09	1,000,000	2.13E-03
534	8.7046E-07	4.6765E-06	1.05E-03	4.89E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
535	8.7046E-07	3.5059E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
536	8.7046E-07	2.7157E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.92E-10	1,000,000	8.92E-04
537	8.7046E-07	2.1606E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.10E-10	1,000,000	7.10E-04
538	8.7046E-07	1.7581E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
539	8.7046E-07	1.4573E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.79E-10	1,000,000	4.79E-04
540	8.7046E-07	6.3136E-07	1.05E-03	6.60E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
541	8.7046E-07	7.7203E-07	1.05E-03	8.07E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
542	8.7046E-07	9.5516E-07	1.05E-03	9.98E-10	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
543	8.7046E-07	1.2038E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
544	8.7046E-07	1.6006E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
545	8.7046E-07	2.0841E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.85E-10	1,000,000	6.85E-04
546	8.7046E-07	2.8748E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.44E-10	1,000,000	9.44E-04
547	8.7046E-07	3.8467E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.7046E-07	5.0345E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
549	8.7046E-07	5.6445E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
550	8.7046E-07	5.3298E-06	1.05E-03	5.57E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
551	8.7046E-07	4.4284E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
552	8.7046E-07	3.5447E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
553	8.7046E-07	2.8511E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.37E-10	1,000,000	9.37E-04
554	8.7046E-07	2.3302E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.65E-10	1,000,000	7.65E-04
555	8.7046E-07	1.9165E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.30E-10	1,000,000	6.30E-04
556	8.7046E-07	1.6018E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
557	8.7046E-07	1.3555E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.45E-10	1,000,000	4.45E-04
558	8.7046E-07	5.4057E-07	1.05E-03	5.65E-10	2.00	1.57E-01	1.78E-10	1,000,000	1.78E-04
559	8.7046E-07	6.4921E-07	1.05E-03	6.79E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
560	8.7046E-07	7.6503E-07	1.05E-03	8.00E-10	2.00	1.57E-01	2.51E-10	1,000,000	2.51E-04
561	8.7046E-07	9.4389E-07	1.05E-03	9.87E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
562	8.7046E-07	1.1489E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.77E-10	1,000,000	3.77E-04
563	8.7046E-07	1.4469E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
564	8.7046E-07	1.9159E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.29E-10	1,000,000	6.29E-04
565	8.7046E-07	2.3813E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
566	8.7046E-07	2.9533E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
567	8.7046E-07	3.2445E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
568	8.7046E-07	3.3312E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
569	8.7046E-07	2.8934E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.50E-10	1,000,000	9.50E-04
570	8.7046E-07	2.5149E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.26E-10	1,000,000	8.26E-04
571	8.7046E-07	2.226E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.31E-10	1,000,000	7.31E-04
572	8.7046E-07	1.9405E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.37E-10	1,000,000	6.37E-04
573	8.7046E-07	1.66E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
574	8.7046E-07	1.4219E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
575	8.7046E-07	1.2302E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	8.7046E-07	6.6386E-07	6.05E-04	4.02E-10	14.00	4.71E-02	2.65E-10	1,000,000	2.7E-04
2	8.7046E-07	7.3244E-07	6.05E-04	4.43E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
3	8.7046E-07	8.0871E-07	6.05E-04	4.89E-10	14.00	4.71E-02	3.23E-10	1,000,000	3.23E-04
4	8.7046E-07	8.9187E-07	6.05E-04	5.40E-10	14.00	4.71E-02	3.56E-10	1,000,000	3.56E-04
5	8.7046E-07	9.8109E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
6	8.7046E-07	1.0734E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.29E-10	1,000,000	4.29E-04
7	8.7046E-07	1.1624E-06	6.05E-04	7.03E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
8	8.7046E-07	1.2418E-06	6.05E-04	7.51E-10	14.00	4.71E-02	4.96E-10	1,000,000	4.96E-04
9	8.7046E-07	1.3045E-06	6.05E-04	7.89E-10	14.00	4.71E-02	5.21E-10	1,000,000	5.21E-04
10	8.7046E-07	1.3404E-06	6.05E-04	8.11E-10	14.00	4.71E-02	5.35E-10	1,000,000	5.35E-04
11	8.7046E-07	1.3445E-06	6.05E-04	8.14E-10	14.00	4.71E-02	5.37E-10	1,000,000	5.37E-04
12	8.7046E-07	1.3168E-06	6.05E-04	7.97E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
13	8.7046E-07	1.2614E-06	6.05E-04	7.63E-10	14.00	4.71E-02	5.04E-10	1,000,000	5.04E-04
14	8.7046E-07	1.1859E-06	6.05E-04	7.18E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
15	8.7046E-07	1.0992E-06	6.05E-04	6.65E-10	14.00	4.71E-02	4.39E-10	1,000,000	4.39E-04
16	8.7046E-07	1.0075E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.02E-10	1,000,000	4.02E-04
17	8.7046E-07	9.1913E-07	6.05E-04	5.56E-10	14.00	4.71E-02	3.67E-10	1,000,000	3.67E-04
18	8.7046E-07	8.3506E-07	6.05E-04	5.05E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
19	8.7046E-07	7.5661E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
20	8.7046E-07	6.8701E-07	6.05E-04	4.16E-10	14.00	4.71E-02	2.74E-10	1,000,000	2.74E-04
21	8.7046E-07	6.2423E-07	6.05E-04	3.78E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
22	8.7046E-07	5.6754E-07	6.05E-04	3.43E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
23	8.7046E-07	7.2222E-07	6.05E-04	4.37E-10	14.00	4.71E-02	2.88E-10	1,000,000	2.88E-04
24	8.7046E-07	8.0612E-07	6.05E-04	4.88E-10	14.00	4.71E-02	3.22E-10	1,000,000	3.22E-04
25	8.7046E-07	9.019E-07	6.05E-04	5.46E-10	14.00	4.71E-02	3.60E-10	1,000,000	3.60E-04
26	8.7046E-07	1.0101E-06	6.05E-04	6.11E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	8.7046E-07	1.1297E-06	6.05E-04	6.84E-10	14.00	4.71E-02	4.51E-10	1,000,000	4.51E-04
28	8.7046E-07	1.2589E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
29	8.7046E-07	1.3882E-06	6.05E-04	8.40E-10	14.00	4.71E-02	5.54E-10	1,000,000	5.54E-04
30	8.7046E-07	1.5099E-06	6.05E-04	9.14E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
31	8.7046E-07	1.6062E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.41E-10	1,000,000	6.41E-04
32	8.7046E-07	1.6628E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.64E-10	1,000,000	6.64E-04
33	8.7046E-07	1.6678E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.66E-10	1,000,000	6.66E-04
34	8.7046E-07	1.6246E-06	6.05E-04	9.83E-10	14.00	4.71E-02	6.49E-10	1,000,000	6.49E-04
35	8.7046E-07	1.539E-06	6.05E-04	9.31E-10	14.00	4.71E-02	6.15E-10	1,000,000	6.15E-04
36	8.7046E-07	1.4261E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
37	8.7046E-07	1.2953E-06	6.05E-04	7.84E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
38	8.7046E-07	1.1673E-06	6.05E-04	7.06E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
39	8.7046E-07	1.0487E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
40	8.7046E-07	9.3866E-07	6.05E-04	5.68E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
41	8.7046E-07	8.392E-07	6.05E-04	5.08E-10	14.00	4.71E-02	3.35E-10	1,000,000	3.35E-04
42	8.7046E-07	7.5147E-07	6.05E-04	4.55E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
43	8.7046E-07	6.7464E-07	6.05E-04	4.08E-10	14.00	4.71E-02	2.69E-10	1,000,000	2.69E-04
44	8.7046E-07	6.1093E-07	6.05E-04	3.70E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04
45	8.7046E-07	7.8337E-07	6.05E-04	4.74E-10	14.00	4.71E-02	3.13E-10	1,000,000	3.13E-04
46	8.7046E-07	8.8529E-07	6.05E-04	5.36E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
47	8.7046E-07	1.0054E-06	6.05E-04	6.08E-10	14.00	4.71E-02	4.01E-10	1,000,000	4.01E-04
48	8.7046E-07	1.1461E-06	6.05E-04	6.93E-10	14.00	4.71E-02	4.58E-10	1,000,000	4.58E-04
49	8.7046E-07	1.3083E-06	6.05E-04	7.92E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
50	8.7046E-07	1.4907E-06	6.05E-04	9.02E-10	14.00	4.71E-02	5.95E-10	1,000,000	5.95E-04
51	8.7046E-07	1.6858E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.73E-10	1,000,000	6.73E-04
52	8.7046E-07	1.8767E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.49E-10	1,000,000	7.49E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	8.7046E-07	2.0377E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.14E-10	1,000,000	8.14E-04
54	8.7046E-07	2.1328E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.52E-10	1,000,000	8.52E-04
55	8.7046E-07	2.1422E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.55E-10	1,000,000	8.55E-04
56	8.7046E-07	2.0652E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.25E-10	1,000,000	8.25E-04
57	8.7046E-07	1.9207E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.67E-10	1,000,000	7.67E-04
58	8.7046E-07	1.7444E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.97E-10	1,000,000	6.97E-04
59	8.7046E-07	1.5472E-06	6.05E-04	9.36E-10	14.00	4.71E-02	6.18E-10	1,000,000	6.18E-04
60	8.7046E-07	1.3632E-06	6.05E-04	8.25E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
61	8.7046E-07	1.2006E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
62	8.7046E-07	1.0552E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
63	8.7046E-07	9.2986E-07	6.05E-04	5.63E-10	14.00	4.71E-02	3.71E-10	1,000,000	3.71E-04
64	8.7046E-07	8.2317E-07	6.05E-04	4.98E-10	14.00	4.71E-02	3.29E-10	1,000,000	3.29E-04
65	8.7046E-07	7.3297E-07	6.05E-04	4.43E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
66	8.7046E-07	6.5623E-07	6.05E-04	3.97E-10	14.00	4.71E-02	2.62E-10	1,000,000	2.62E-04
67	8.7046E-07	8.4543E-07	6.05E-04	5.12E-10	14.00	4.71E-02	3.38E-10	1,000,000	3.38E-04
68	8.7046E-07	9.6783E-07	6.05E-04	5.86E-10	14.00	4.71E-02	3.87E-10	1,000,000	3.87E-04
69	8.7046E-07	1.1169E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
70	8.7046E-07	1.2983E-06	6.05E-04	7.86E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
71	8.7046E-07	1.5186E-06	6.05E-04	9.19E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
72	8.7046E-07	1.7814E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.11E-10	1,000,000	7.11E-04
73	8.7046E-07	2.0832E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.32E-10	1,000,000	8.32E-04
74	8.7046E-07	2.3995E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.58E-10	1,000,000	9.58E-04
75	8.7046E-07	2.6838E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
76	8.7046E-07	2.8656E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
77	8.7046E-07	2.8861E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
78	8.7046E-07	2.7431E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
79	8.7046E-07	2.4774E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.89E-10	1,000,000	9.89E-04
80	8.7046E-07	2.1707E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.67E-10	1,000,000	8.67E-04
81	8.7046E-07	1.8706E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.47E-10	1,000,000	7.47E-04
82	8.7046E-07	1.607E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.42E-10	1,000,000	6.42E-04
83	8.7046E-07	1.3775E-06	6.05E-04	8.33E-10	14.00	4.71E-02	5.50E-10	1,000,000	5.50E-04
84	8.7046E-07	1.1879E-06	6.05E-04	7.19E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
85	8.7046E-07	1.0254E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.10E-10	1,000,000	4.10E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	8.7046E-07	8.9931E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
87	8.7046E-07	7.9178E-07	6.05E-04	4.79E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04
88	8.7046E-07	7.0304E-07	6.05E-04	4.25E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
89	8.7046E-07	9.0539E-07	6.05E-04	5.48E-10	14.00	4.71E-02	3.62E-10	1,000,000	3.62E-04
90	8.7046E-07	1.05E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
91	8.7046E-07	1.2317E-06	6.05E-04	7.45E-10	14.00	4.71E-02	4.92E-10	1,000,000	4.92E-04
92	8.7046E-07	1.4627E-06	6.05E-04	8.85E-10	14.00	4.71E-02	5.84E-10	1,000,000	5.84E-04
93	8.7046E-07	1.759E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
94	8.7046E-07	2.1373E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.54E-10	1,000,000	8.54E-04
95	8.7046E-07	2.6129E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
96	8.7046E-07	3.1718E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
97	8.7046E-07	3.7348E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
98	8.7046E-07	4.121E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
99	8.7046E-07	4.1509E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
100	8.7046E-07	3.8265E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
101	8.7046E-07	3.3039E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
102	8.7046E-07	2.7593E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
103	8.7046E-07	2.2835E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.12E-10	1,000,000	9.12E-04
104	8.7046E-07	1.8905E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
105	8.7046E-07	1.5808E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.31E-10	1,000,000	6.31E-04
106	8.7046E-07	1.3335E-06	6.05E-04	8.07E-10	14.00	4.71E-02	5.33E-10	1,000,000	5.33E-04
107	8.7046E-07	1.1362E-06	6.05E-04	6.87E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04
108	8.7046E-07	9.7946E-07	6.05E-04	5.93E-10	14.00	4.71E-02	3.91E-10	1,000,000	3.91E-04
109	8.7046E-07	8.5286E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
110	8.7046E-07	7.5122E-07	6.05E-04	4.55E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
111	8.7046E-07	9.5957E-07	6.05E-04	5.81E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
112	8.7046E-07	1.1264E-06	6.05E-04	6.82E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
113	8.7046E-07	1.3418E-06	6.05E-04	8.12E-10	14.00	4.71E-02	5.36E-10	1,000,000	5.36E-04
114	8.7046E-07	1.6273E-06	6.05E-04	9.85E-10	14.00	4.71E-02	6.50E-10	1,000,000	6.50E-04
115	8.7046E-07	2.0156E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.05E-10	1,000,000	8.05E-04
116	8.7046E-07	2.5525E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
117	8.7046E-07	3.3076E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
118	8.7046E-07	4.3504E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	8.7046E-07	5.6103E-06	6.05E-04	3.39E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.24E-03
120	8.7046E-07	6.6186E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
121	8.7046E-07	6.6851E-06	6.05E-04	4.04E-09	14.00	4.71E-02	2.67E-09	1,000,000	2.67E-03
122	8.7046E-07	5.7828E-06	6.05E-04	3.50E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
123	8.7046E-07	4.6026E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
124	8.7046E-07	3.5798E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
125	8.7046E-07	2.804E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
126	8.7046E-07	2.2283E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.90E-10	1,000,000	8.90E-04
127	8.7046E-07	1.808E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.22E-10	1,000,000	7.22E-04
128	8.7046E-07	1.4926E-06	6.05E-04	9.03E-10	14.00	4.71E-02	5.96E-10	1,000,000	5.96E-04
129	8.7046E-07	1.2499E-06	6.05E-04	7.56E-10	14.00	4.71E-02	4.99E-10	1,000,000	4.99E-04
130	8.7046E-07	1.0643E-06	6.05E-04	6.44E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04
131	8.7046E-07	9.1685E-07	6.05E-04	5.55E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
132	8.7046E-07	8.0038E-07	6.05E-04	4.84E-10	14.00	4.71E-02	3.20E-10	1,000,000	3.20E-04
133	8.7046E-07	9.7915E-07	6.05E-04	5.92E-10	14.00	4.71E-02	3.91E-10	1,000,000	3.91E-04
134	8.7046E-07	1.1765E-06	6.05E-04	7.12E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
135	8.7046E-07	1.4224E-06	6.05E-04	8.61E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
136	8.7046E-07	1.7768E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.10E-10	1,000,000	7.10E-04
137	8.7046E-07	2.2619E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.03E-10	1,000,000	9.03E-04
138	8.7046E-07	2.9873E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
139	8.7046E-07	4.1431E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
140	8.7046E-07	6.1168E-06	6.05E-04	3.70E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
141	8.7046E-07	9.4279E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
142	8.7046E-07	1.3103E-05	6.05E-04	7.93E-09	14.00	4.71E-02	5.23E-09	1,000,000	5.23E-03
143	8.7046E-07	1.3166E-05	6.05E-04	7.97E-09	14.00	4.71E-02	5.26E-09	1,000,000	5.26E-03
144	8.7046E-07	9.799E-06	6.05E-04	5.93E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
145	8.7046E-07	6.7034E-06	6.05E-04	4.06E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
146	8.7046E-07	4.7023E-06	6.05E-04	2.85E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
147	8.7046E-07	3.4462E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
148	8.7046E-07	2.619E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
149	8.7046E-07	2.061E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.23E-10	1,000,000	8.23E-04
150	8.7046E-07	1.6598E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.63E-10	1,000,000	6.63E-04
151	8.7046E-07	1.3672E-06	6.05E-04	8.27E-10	14.00	4.71E-02	5.46E-10	1,000,000	5.46E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	8.7046E-07	1.1501E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
153	8.7046E-07	9.8165E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
154	8.7046E-07	8.4955E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04
155	8.7046E-07	8.9159E-07	6.05E-04	5.39E-10	14.00	4.71E-02	3.56E-10	1,000,000	3.56E-04
156	8.7046E-07	1.0898E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
157	8.7046E-07	1.3947E-06	6.05E-04	8.44E-10	14.00	4.71E-02	5.57E-10	1,000,000	5.57E-04
158	8.7046E-07	1.7692E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
159	8.7046E-07	2.4235E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.68E-10	1,000,000	9.68E-04
160	8.7046E-07	3.3422E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
161	8.7046E-07	4.9107E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
162	8.7046E-07	8.2375E-06	6.05E-04	4.98E-09	14.00	4.71E-02	3.29E-09	1,000,000	3.29E-03
163	8.7046E-07	1.8478E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.38E-09	1,000,000	7.38E-03
164	8.7046E-07	4.6272E-05	6.05E-04	2.80E-08	14.00	4.71E-02	1.85E-08	1,000,000	1.85E-02
165	8.7046E-07	4.4676E-05	6.05E-04	2.70E-08	14.00	4.71E-02	1.78E-08	1,000,000	1.78E-02
166	8.7046E-07	1.9435E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.76E-09	1,000,000	7.76E-03
167	8.7046E-07	1.005E-05	6.05E-04	6.08E-09	14.00	4.71E-02	4.01E-09	1,000,000	4.01E-03
168	8.7046E-07	6.175E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
169	8.7046E-07	4.2016E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
170	8.7046E-07	3.0467E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
171	8.7046E-07	2.3159E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.25E-10	1,000,000	9.25E-04
172	8.7046E-07	1.8329E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
173	8.7046E-07	1.4872E-06	6.05E-04	9.00E-10	14.00	4.71E-02	5.94E-10	1,000,000	5.94E-04
174	8.7046E-07	1.2353E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
175	8.7046E-07	1.0462E-06	6.05E-04	6.33E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
176	8.7046E-07	8.9875E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
177	8.7046E-07	8.4604E-07	6.05E-04	5.12E-10	14.00	4.71E-02	3.38E-10	1,000,000	3.38E-04
178	8.7046E-07	1.0542E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
179	8.7046E-07	1.3649E-06	6.05E-04	8.26E-10	14.00	4.71E-02	5.45E-10	1,000,000	5.45E-04
180	8.7046E-07	1.7925E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.16E-10	1,000,000	7.16E-04
181	8.7046E-07	2.4415E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.75E-10	1,000,000	9.75E-04
182	8.7046E-07	3.423E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
183	8.7046E-07	5.2181E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
184	8.7046E-07	4.9102E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	8.7046E-07	3.428E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
186	8.7046E-07	2.5611E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
187	8.7046E-07	1.9882E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.94E-10	1,000,000	7.94E-04
188	8.7046E-07	1.5936E-06	6.05E-04	9.64E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
189	8.7046E-07	1.3123E-06	6.05E-04	7.94E-10	14.00	4.71E-02	5.24E-10	1,000,000	5.24E-04
190	8.7046E-07	1.1027E-06	6.05E-04	6.67E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
191	8.7046E-07	9.4163E-07	6.05E-04	5.70E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
192	8.7046E-07	7.6921E-07	6.05E-04	4.65E-10	14.00	4.71E-02	3.07E-10	1,000,000	3.07E-04
193	8.7046E-07	9.4937E-07	6.05E-04	5.74E-10	14.00	4.71E-02	3.79E-10	1,000,000	3.79E-04
194	8.7046E-07	1.2306E-06	6.05E-04	7.45E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04
195	8.7046E-07	1.6091E-06	6.05E-04	9.74E-10	14.00	4.71E-02	6.43E-10	1,000,000	6.43E-04
196	8.7046E-07	2.2099E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.83E-10	1,000,000	8.83E-04
197	8.7046E-07	3.0463E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
198	8.7046E-07	4.6557E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
199	8.7046E-07	3.3281E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
200	8.7046E-07	5.2789E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
201	8.7046E-07	3.6647E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
202	8.7046E-07	2.7035E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
203	8.7046E-07	2.0903E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.35E-10	1,000,000	8.35E-04
204	8.7046E-07	1.6686E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.66E-10	1,000,000	6.66E-04
205	8.7046E-07	1.3676E-06	6.05E-04	8.27E-10	14.00	4.71E-02	5.46E-10	1,000,000	5.46E-04
206	8.7046E-07	1.1445E-06	6.05E-04	6.93E-10	14.00	4.71E-02	4.57E-10	1,000,000	4.57E-04
207	8.7046E-07	9.7497E-07	6.05E-04	5.90E-10	14.00	4.71E-02	3.89E-10	1,000,000	3.89E-04
208	8.7046E-07	6.8914E-07	6.05E-04	4.17E-10	14.00	4.71E-02	2.75E-10	1,000,000	2.75E-04
209	8.7046E-07	8.4606E-07	6.05E-04	5.12E-10	14.00	4.71E-02	3.38E-10	1,000,000	3.38E-04
210	8.7046E-07	1.0258E-06	6.05E-04	6.21E-10	14.00	4.71E-02	4.10E-10	1,000,000	4.10E-04
211	8.7046E-07	1.3551E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
212	8.7046E-07	1.7927E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.16E-10	1,000,000	7.16E-04
213	8.7046E-07	2.5333E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
214	8.7046E-07	3.8426E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
215	8.7046E-07	6.0006E-06	6.05E-04	3.63E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
216	8.7046E-07	1.1099E-05	6.05E-04	6.72E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03
217	8.7046E-07	2.376E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.49E-09	1,000,000	9.49E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	8.7046E-07	7.7864E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
219	8.7046E-07	5.1056E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
220	8.7046E-07	3.621E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
221	8.7046E-07	2.7087E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
222	8.7046E-07	2.1071E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.41E-10	1,000,000	8.41E-04
223	8.7046E-07	1.6894E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.75E-10	1,000,000	6.75E-04
224	8.7046E-07	1.3876E-06	6.05E-04	8.40E-10	14.00	4.71E-02	5.54E-10	1,000,000	5.54E-04
225	8.7046E-07	1.1624E-06	6.05E-04	7.03E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
226	8.7046E-07	9.9067E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
227	8.7046E-07	6.0728E-07	6.05E-04	3.67E-10	14.00	4.71E-02	2.43E-10	1,000,000	2.43E-04
228	8.7046E-07	7.2765E-07	6.05E-04	4.40E-10	14.00	4.71E-02	2.91E-10	1,000,000	2.91E-04
229	8.7046E-07	8.8703E-07	6.05E-04	5.37E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
230	8.7046E-07	1.1224E-06	6.05E-04	6.79E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
231	8.7046E-07	1.4674E-06	6.05E-04	8.88E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
232	8.7046E-07	1.9331E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04
233	8.7046E-07	2.8746E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
234	8.7046E-07	4.2849E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
235	8.7046E-07	6.9405E-06	6.05E-04	4.20E-09	14.00	4.71E-02	2.77E-09	1,000,000	2.77E-03
236	8.7046E-07	1.2319E-05	6.05E-04	7.45E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
237	8.7046E-07	2.3412E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.35E-09	1,000,000	9.35E-03
238	8.7046E-07	1.7545E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.01E-09	1,000,000	7.01E-03
239	8.7046E-07	9.8202E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
240	8.7046E-07	6.347E-06	6.05E-04	3.84E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
241	8.7046E-07	4.4578E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
242	8.7046E-07	3.3039E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
243	8.7046E-07	2.5453E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
244	8.7046E-07	2.0205E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.07E-10	1,000,000	8.07E-04
245	8.7046E-07	1.6435E-06	6.05E-04	9.94E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
246	8.7046E-07	1.3638E-06	6.05E-04	8.25E-10	14.00	4.71E-02	5.45E-10	1,000,000	5.45E-04
247	8.7046E-07	1.1509E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.60E-10	1,000,000	4.60E-04
248	8.7046E-07	9.8573E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
249	8.7046E-07	5.3647E-07	6.05E-04	3.25E-10	14.00	4.71E-02	2.14E-10	1,000,000	2.14E-04
250	8.7046E-07	6.2997E-07	6.05E-04	3.81E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	8.7046E-07	7.5044E-07	6.05E-04	4.54E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
252	8.7046E-07	9.3519E-07	6.05E-04	5.66E-10	14.00	4.71E-02	3.73E-10	1,000,000	3.73E-04
253	8.7046E-07	1.1758E-06	6.05E-04	7.11E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
254	8.7046E-07	1.586E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.33E-10	1,000,000	6.33E-04
255	8.7046E-07	2.113E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.44E-10	1,000,000	8.44E-04
256	8.7046E-07	3.0762E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
257	8.7046E-07	4.2625E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
258	8.7046E-07	5.8994E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
259	8.7046E-07	7.791E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
260	8.7046E-07	7.6573E-06	6.05E-04	4.63E-09	14.00	4.71E-02	3.06E-09	1,000,000	3.06E-03
261	8.7046E-07	6.1337E-06	6.05E-04	3.71E-09	14.00	4.71E-02	2.45E-09	1,000,000	2.45E-03
262	8.7046E-07	4.6664E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
263	8.7046E-07	3.5917E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
264	8.7046E-07	2.8229E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
265	8.7046E-07	2.2657E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.05E-10	1,000,000	9.05E-04
266	8.7046E-07	1.8516E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.39E-10	1,000,000	7.39E-04
267	8.7046E-07	1.5389E-06	6.05E-04	9.31E-10	14.00	4.71E-02	6.15E-10	1,000,000	6.15E-04
268	8.7046E-07	1.2976E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
269	8.7046E-07	1.1084E-06	6.05E-04	6.71E-10	14.00	4.71E-02	4.43E-10	1,000,000	4.43E-04
270	8.7046E-07	9.5798E-07	6.05E-04	5.80E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
271	8.7046E-07	4.6274E-07	6.05E-04	2.80E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
272	8.7046E-07	5.3475E-07	6.05E-04	3.24E-10	14.00	4.71E-02	2.14E-10	1,000,000	2.14E-04
273	8.7046E-07	6.3428E-07	6.05E-04	3.84E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04
274	8.7046E-07	7.63E-07	6.05E-04	4.62E-10	14.00	4.71E-02	3.05E-10	1,000,000	3.05E-04
275	8.7046E-07	9.3738E-07	6.05E-04	5.67E-10	14.00	4.71E-02	3.74E-10	1,000,000	3.74E-04
276	8.7046E-07	1.1991E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
277	8.7046E-07	1.5493E-06	6.05E-04	9.37E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
278	8.7046E-07	1.9933E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.96E-10	1,000,000	7.96E-04
279	8.7046E-07	2.6488E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
280	8.7046E-07	3.3752E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
281	8.7046E-07	4.028E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
282	8.7046E-07	4.285E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
283	8.7046E-07	3.9172E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	8.7046E-07	3.2137E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
285	8.7046E-07	2.7603E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
286	8.7046E-07	2.3268E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.29E-10	1,000,000	9.29E-04
287	8.7046E-07	1.9498E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.79E-10	1,000,000	7.79E-04
288	8.7046E-07	1.6409E-06	6.05E-04	9.93E-10	14.00	4.71E-02	6.55E-10	1,000,000	6.55E-04
289	8.7046E-07	1.3972E-06	6.05E-04	8.45E-10	14.00	4.71E-02	5.58E-10	1,000,000	5.58E-04
290	8.7046E-07	1.2016E-06	6.05E-04	7.27E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
291	8.7046E-07	1.0421E-06	6.05E-04	6.31E-10	14.00	4.71E-02	4.16E-10	1,000,000	4.16E-04
292	8.7046E-07	9.1143E-07	6.05E-04	5.51E-10	14.00	4.71E-02	3.64E-10	1,000,000	3.64E-04
293	8.7046E-07	4.0231E-07	6.05E-04	2.43E-10	14.00	4.71E-02	1.61E-10	1,000,000	1.61E-04
294	8.7046E-07	4.6229E-07	6.05E-04	2.80E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
295	8.7046E-07	5.3628E-07	6.05E-04	3.24E-10	14.00	4.71E-02	2.14E-10	1,000,000	2.14E-04
296	8.7046E-07	6.2475E-07	6.05E-04	3.78E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
297	8.7046E-07	7.5803E-07	6.05E-04	4.59E-10	14.00	4.71E-02	3.03E-10	1,000,000	3.03E-04
298	8.7046E-07	9.2267E-07	6.05E-04	5.58E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
299	8.7046E-07	1.1401E-06	6.05E-04	6.90E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
300	8.7046E-07	1.4542E-06	6.05E-04	8.80E-10	14.00	4.71E-02	5.81E-10	1,000,000	5.81E-04
301	8.7046E-07	1.7316E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.91E-10	1,000,000	6.91E-04
302	8.7046E-07	2.1582E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
303	8.7046E-07	2.483E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.92E-10	1,000,000	9.92E-04
304	8.7046E-07	2.7078E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
305	8.7046E-07	2.6008E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
306	8.7046E-07	2.2907E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.15E-10	1,000,000	9.15E-04
307	8.7046E-07	2.0547E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.21E-10	1,000,000	8.21E-04
308	8.7046E-07	1.8339E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
309	8.7046E-07	1.6463E-06	6.05E-04	9.96E-10	14.00	4.71E-02	6.57E-10	1,000,000	6.57E-04
310	8.7046E-07	1.4369E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.74E-10	1,000,000	5.74E-04
311	8.7046E-07	1.2521E-06	6.05E-04	7.58E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
312	8.7046E-07	1.0913E-06	6.05E-04	6.60E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
313	8.7046E-07	9.6139E-07	6.05E-04	5.82E-10	14.00	4.71E-02	3.84E-10	1,000,000	3.84E-04
314	8.7046E-07	8.5186E-07	6.05E-04	5.15E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
315	8.7046E-07	3.4334E-07	6.05E-04	2.08E-10	14.00	4.71E-02	1.37E-10	1,000,000	1.37E-04
316	8.7046E-07	3.9166E-07	6.05E-04	2.37E-10	14.00	4.71E-02	1.56E-10	1,000,000	1.56E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	8.7046E-07	4.4779E-07	6.05E-04	2.71E-10	14.00	4.71E-02	1.79E-10	1,000,000	1.79E-04
318	8.7046E-07	5.1375E-07	6.05E-04	3.11E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04
319	8.7046E-07	5.8959E-07	6.05E-04	3.57E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
320	8.7046E-07	7.2893E-07	6.05E-04	4.41E-10	14.00	4.71E-02	2.91E-10	1,000,000	2.91E-04
321	8.7046E-07	8.5736E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.42E-10	1,000,000	3.42E-04
322	8.7046E-07	1.03E-06	6.05E-04	6.23E-10	14.00	4.71E-02	4.11E-10	1,000,000	4.11E-04
323	8.7046E-07	1.2559E-06	6.05E-04	7.60E-10	14.00	4.71E-02	5.02E-10	1,000,000	5.02E-04
324	8.7046E-07	1.4711E-06	6.05E-04	8.90E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
325	8.7046E-07	1.6717E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
326	8.7046E-07	1.8171E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.26E-10	1,000,000	7.26E-04
327	8.7046E-07	2.0355E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.13E-10	1,000,000	8.13E-04
328	8.7046E-07	1.6346E-06	6.05E-04	9.89E-10	14.00	4.71E-02	6.53E-10	1,000,000	6.53E-04
329	8.7046E-07	1.5201E-06	6.05E-04	9.20E-10	14.00	4.71E-02	6.07E-10	1,000,000	6.07E-04
330	8.7046E-07	1.4361E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
331	8.7046E-07	1.3375E-06	6.05E-04	8.09E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
332	8.7046E-07	1.2267E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
333	8.7046E-07	1.1143E-06	6.05E-04	6.74E-10	14.00	4.71E-02	4.45E-10	1,000,000	4.45E-04
334	8.7046E-07	9.9114E-07	6.05E-04	6.00E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
335	8.7046E-07	8.8356E-07	6.05E-04	5.35E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
336	8.7046E-07	7.8652E-07	6.05E-04	4.76E-10	14.00	4.71E-02	3.14E-10	1,000,000	3.14E-04
337	8.7046E-07	3.0119E-07	6.05E-04	1.82E-10	14.00	4.71E-02	1.20E-10	1,000,000	1.20E-04
338	8.7046E-07	3.3714E-07	6.05E-04	2.04E-10	14.00	4.71E-02	1.35E-10	1,000,000	1.35E-04
339	8.7046E-07	3.7508E-07	6.05E-04	2.27E-10	14.00	4.71E-02	1.50E-10	1,000,000	1.50E-04
340	8.7046E-07	4.311E-07	6.05E-04	2.61E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
341	8.7046E-07	4.8683E-07	6.05E-04	2.95E-10	14.00	4.71E-02	1.94E-10	1,000,000	1.94E-04
342	8.7046E-07	5.8334E-07	6.05E-04	3.53E-10	14.00	4.71E-02	2.33E-10	1,000,000	2.33E-04
343	8.7046E-07	6.6498E-07	6.05E-04	4.02E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
344	8.7046E-07	7.8199E-07	6.05E-04	4.73E-10	14.00	4.71E-02	3.12E-10	1,000,000	3.12E-04
345	8.7046E-07	9.1377E-07	6.05E-04	5.53E-10	14.00	4.71E-02	3.65E-10	1,000,000	3.65E-04
346	8.7046E-07	1.073E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.28E-10	1,000,000	4.28E-04
347	8.7046E-07	1.1764E-06	6.05E-04	7.12E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
348	8.7046E-07	1.2685E-06	6.05E-04	7.68E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
349	8.7046E-07	1.1641E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	8.7046E-07	1.1483E-06	6.05E-04	6.95E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
351	8.7046E-07	1.1242E-06	6.05E-04	6.80E-10	14.00	4.71E-02	4.49E-10	1,000,000	4.49E-04
352	8.7046E-07	1.0559E-06	6.05E-04	6.39E-10	14.00	4.71E-02	4.22E-10	1,000,000	4.22E-04
353	8.7046E-07	1.0612E-06	6.05E-04	6.42E-10	14.00	4.71E-02	4.24E-10	1,000,000	4.24E-04
354	8.7046E-07	1.0072E-06	6.05E-04	6.09E-10	14.00	4.71E-02	4.02E-10	1,000,000	4.02E-04
355	8.7046E-07	9.5567E-07	6.05E-04	5.78E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
356	8.7046E-07	8.8253E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
357	8.7046E-07	8.1743E-07	6.05E-04	4.95E-10	14.00	4.71E-02	3.26E-10	1,000,000	3.26E-04
358	8.7046E-07	7.5019E-07	6.05E-04	4.54E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
359	8.7046E-07	2.5935E-07	6.05E-04	1.57E-10	14.00	4.71E-02	1.04E-10	1,000,000	1.04E-04
360	8.7046E-07	2.895E-07	6.05E-04	1.75E-10	14.00	4.71E-02	1.16E-10	1,000,000	1.16E-04
361	8.7046E-07	3.2148E-07	6.05E-04	1.95E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
362	8.7046E-07	3.5872E-07	6.05E-04	2.17E-10	14.00	4.71E-02	1.43E-10	1,000,000	1.43E-04
363	8.7046E-07	3.9845E-07	6.05E-04	2.41E-10	14.00	4.71E-02	1.59E-10	1,000,000	1.59E-04
364	8.7046E-07	4.5957E-07	6.05E-04	2.78E-10	14.00	4.71E-02	1.84E-10	1,000,000	1.84E-04
365	8.7046E-07	5.292E-07	6.05E-04	3.20E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
366	8.7046E-07	6.1248E-07	6.05E-04	3.71E-10	14.00	4.71E-02	2.45E-10	1,000,000	2.45E-04
367	8.7046E-07	7.1657E-07	6.05E-04	4.34E-10	14.00	4.71E-02	2.86E-10	1,000,000	2.86E-04
368	8.7046E-07	7.9907E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
369	8.7046E-07	8.4936E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04
370	8.7046E-07	8.6088E-07	6.05E-04	5.21E-10	14.00	4.71E-02	3.44E-10	1,000,000	3.44E-04
371	8.7046E-07	8.817E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
372	8.7046E-07	8.7466E-07	6.05E-04	5.29E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
373	8.7046E-07	8.3619E-07	6.05E-04	5.06E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
374	8.7046E-07	7.9892E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
375	8.7046E-07	8.1404E-07	6.05E-04	4.93E-10	14.00	4.71E-02	3.25E-10	1,000,000	3.25E-04
376	8.7046E-07	7.9255E-07	6.05E-04	4.80E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
377	8.7046E-07	7.794E-07	6.05E-04	4.72E-10	14.00	4.71E-02	3.11E-10	1,000,000	3.11E-04
378	8.7046E-07	7.6677E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
379	8.7046E-07	7.2243E-07	6.05E-04	4.37E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
380	8.7046E-07	6.7322E-07	6.05E-04	4.07E-10	14.00	4.71E-02	2.69E-10	1,000,000	2.69E-04
381	8.7046E-07	9.9053E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
382	8.7046E-07	1.137E-06	6.05E-04	6.88E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	8.7046E-07	1.3112E-06	6.05E-04	7.93E-10	14.00	4.71E-02	5.24E-10	1,000,000	5.24E-04
384	8.7046E-07	1.5155E-06	6.05E-04	9.17E-10	14.00	4.71E-02	6.05E-10	1,000,000	6.05E-04
385	8.7046E-07	1.7478E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.98E-10	1,000,000	6.98E-04
386	8.7046E-07	1.9941E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.96E-10	1,000,000	7.96E-04
387	8.7046E-07	2.2252E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.89E-10	1,000,000	8.89E-04
388	8.7046E-07	2.4019E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.59E-10	1,000,000	9.59E-04
389	8.7046E-07	2.4774E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.89E-10	1,000,000	9.89E-04
390	8.7046E-07	2.4304E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.71E-10	1,000,000	9.71E-04
391	8.7046E-07	2.2757E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.09E-10	1,000,000	9.09E-04
392	8.7046E-07	2.0571E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.21E-10	1,000,000	8.21E-04
393	8.7046E-07	1.8169E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.26E-10	1,000,000	7.26E-04
394	8.7046E-07	1.5876E-06	6.05E-04	9.61E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
395	8.7046E-07	1.3776E-06	6.05E-04	8.34E-10	14.00	4.71E-02	5.50E-10	1,000,000	5.50E-04
396	8.7046E-07	1.1971E-06	6.05E-04	7.24E-10	14.00	4.71E-02	4.78E-10	1,000,000	4.78E-04
397	8.7046E-07	1.0444E-06	6.05E-04	6.32E-10	14.00	4.71E-02	4.17E-10	1,000,000	4.17E-04
398	8.7046E-07	9.1546E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
399	8.7046E-07	1.0874E-06	6.05E-04	6.58E-10	14.00	4.71E-02	4.34E-10	1,000,000	4.34E-04
400	8.7046E-07	1.2713E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
401	8.7046E-07	1.5008E-06	6.05E-04	9.08E-10	14.00	4.71E-02	5.99E-10	1,000,000	5.99E-04
402	8.7046E-07	1.7856E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.13E-10	1,000,000	7.13E-04
403	8.7046E-07	2.1324E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.52E-10	1,000,000	8.52E-04
404	8.7046E-07	2.5321E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
405	8.7046E-07	2.9472E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
406	8.7046E-07	3.2892E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
407	8.7046E-07	3.4407E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
408	8.7046E-07	3.346E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
409	8.7046E-07	3.0422E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
410	8.7046E-07	2.6411E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
411	8.7046E-07	2.2466E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.97E-10	1,000,000	8.97E-04
412	8.7046E-07	1.8983E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.58E-10	1,000,000	7.58E-04
413	8.7046E-07	1.6017E-06	6.05E-04	9.69E-10	14.00	4.71E-02	6.40E-10	1,000,000	6.40E-04
414	8.7046E-07	1.3604E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
415	8.7046E-07	1.164E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	8.7046E-07	1.0022E-06	6.05E-04	6.06E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
417	8.7046E-07	1.1824E-06	6.05E-04	7.15E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
418	8.7046E-07	1.4084E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.62E-10	1,000,000	5.62E-04
419	8.7046E-07	1.7043E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.81E-10	1,000,000	6.81E-04
420	8.7046E-07	2.0963E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.37E-10	1,000,000	8.37E-04
421	8.7046E-07	2.618E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
422	8.7046E-07	3.3004E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
423	8.7046E-07	4.1162E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
424	8.7046E-07	4.879E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
425	8.7046E-07	5.2254E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
426	8.7046E-07	4.9689E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
427	8.7046E-07	4.271E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
428	8.7046E-07	3.4949E-06	6.05E-04	2.11E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
429	8.7046E-07	2.8161E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
430	8.7046E-07	2.2746E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.08E-10	1,000,000	9.08E-04
431	8.7046E-07	1.8587E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.42E-10	1,000,000	7.42E-04
432	8.7046E-07	1.54E-06	6.05E-04	9.32E-10	14.00	4.71E-02	6.15E-10	1,000,000	6.15E-04
433	8.7046E-07	1.297E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
434	8.7046E-07	1.1012E-06	6.05E-04	6.66E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
435	8.7046E-07	1.2678E-06	6.05E-04	7.67E-10	14.00	4.71E-02	5.06E-10	1,000,000	5.06E-04
436	8.7046E-07	1.5365E-06	6.05E-04	9.30E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
437	8.7046E-07	1.9051E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.61E-10	1,000,000	7.61E-04
438	8.7046E-07	2.4271E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.69E-10	1,000,000	9.69E-04
439	8.7046E-07	3.1944E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
440	8.7046E-07	4.3589E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
441	8.7046E-07	6.0946E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
442	8.7046E-07	8.1846E-06	6.05E-04	4.95E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
443	8.7046E-07	9.2914E-06	6.05E-04	5.62E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
444	8.7046E-07	8.3498E-06	6.05E-04	5.05E-09	14.00	4.71E-02	3.33E-09	1,000,000	3.33E-03
445	8.7046E-07	6.428E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
446	8.7046E-07	4.7565E-06	6.05E-04	2.88E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
447	8.7046E-07	3.5623E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
448	8.7046E-07	2.7295E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	8.7046E-07	2.1539E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.60E-10	1,000,000	8.60E-04
450	8.7046E-07	1.7415E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.95E-10	1,000,000	6.95E-04
451	8.7046E-07	1.4296E-06	6.05E-04	8.65E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
452	8.7046E-07	1.2002E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
453	8.7046E-07	1.2627E-06	6.05E-04	7.64E-10	14.00	4.71E-02	5.04E-10	1,000,000	5.04E-04
454	8.7046E-07	1.5997E-06	6.05E-04	9.68E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
455	8.7046E-07	2.076E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
456	8.7046E-07	2.7265E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
457	8.7046E-07	3.7738E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
458	8.7046E-07	5.6428E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
459	8.7046E-07	9.5064E-06	6.05E-04	5.75E-09	14.00	4.71E-02	3.80E-09	1,000,000	3.80E-03
460	8.7046E-07	1.7539E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.00E-09	1,000,000	7.00E-03
461	8.7046E-07	2.3168E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.25E-09	1,000,000	9.25E-03
462	8.7046E-07	1.754E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.00E-09	1,000,000	7.00E-03
463	8.7046E-07	1.0452E-05	6.05E-04	6.32E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
464	8.7046E-07	6.5979E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
465	8.7046E-07	4.5032E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
466	8.7046E-07	3.2658E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
467	8.7046E-07	2.4801E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.90E-10	1,000,000	9.90E-04
468	8.7046E-07	1.9493E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.78E-10	1,000,000	7.78E-04
469	8.7046E-07	1.575E-06	6.05E-04	9.53E-10	14.00	4.71E-02	6.29E-10	1,000,000	6.29E-04
470	8.7046E-07	1.302E-06	6.05E-04	7.88E-10	14.00	4.71E-02	5.20E-10	1,000,000	5.20E-04
471	8.7046E-07	1.1959E-06	6.05E-04	7.24E-10	14.00	4.71E-02	4.78E-10	1,000,000	4.78E-04
472	8.7046E-07	1.5491E-06	6.05E-04	9.37E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
473	8.7046E-07	2.0777E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04
474	8.7046E-07	2.8473E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
475	8.7046E-07	4.121E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
476	8.7046E-07	3.8262E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
477	8.7046E-07	2.7969E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
478	8.7046E-07	2.1581E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
479	8.7046E-07	1.716E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
480	8.7046E-07	1.399E-06	6.05E-04	8.47E-10	14.00	4.71E-02	5.59E-10	1,000,000	5.59E-04
481	8.7046E-07	1.1172E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	8.7046E-07	1.4663E-06	6.05E-04	8.87E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
483	8.7046E-07	1.9055E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.61E-10	1,000,000	7.61E-04
484	8.7046E-07	2.6099E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
485	8.7046E-07	3.9811E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
486	8.7046E-07	4.2438E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
487	8.7046E-07	3.06E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
488	8.7046E-07	2.3166E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.25E-10	1,000,000	9.25E-04
489	8.7046E-07	1.8261E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.29E-10	1,000,000	7.29E-04
490	8.7046E-07	1.4791E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
491	8.7046E-07	9.9408E-07	6.05E-04	6.01E-10	14.00	4.71E-02	3.97E-10	1,000,000	3.97E-04
492	8.7046E-07	1.2849E-06	6.05E-04	7.77E-10	14.00	4.71E-02	5.13E-10	1,000,000	5.13E-04
493	8.7046E-07	1.6585E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.62E-10	1,000,000	6.62E-04
494	8.7046E-07	2.2898E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.14E-10	1,000,000	9.14E-04
495	8.7046E-07	3.3971E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
496	8.7046E-07	1.8538E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.40E-09	1,000,000	7.40E-03
497	8.7046E-07	5.652E-05	6.05E-04	3.42E-08	14.00	4.71E-02	2.26E-08	1,000,000	2.26E-02
498	8.7046E-07	6.4441E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
499	8.7046E-07	4.3647E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
500	8.7046E-07	3.1495E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
501	8.7046E-07	2.3902E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.55E-10	1,000,000	9.55E-04
502	8.7046E-07	1.8805E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.51E-10	1,000,000	7.51E-04
503	8.7046E-07	1.5226E-06	6.05E-04	9.21E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
504	8.7046E-07	8.6716E-07	6.05E-04	5.25E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
505	8.7046E-07	1.0651E-06	6.05E-04	6.44E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04
506	8.7046E-07	1.4347E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
507	8.7046E-07	1.8717E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.47E-10	1,000,000	7.47E-04
508	8.7046E-07	2.7612E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
509	8.7046E-07	4.0687E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
510	8.7046E-07	6.4955E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.59E-09	1,000,000	2.59E-03
511	8.7046E-07	1.1745E-05	6.05E-04	7.11E-09	14.00	4.71E-02	4.69E-09	1,000,000	4.69E-03
512	8.7046E-07	2.9781E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
513	8.7046E-07	3.2295E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
514	8.7046E-07	1.6835E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.7046E-07	9.0529E-06	6.05E-04	5.48E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
516	8.7046E-07	5.8175E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
517	8.7046E-07	4.0783E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
518	8.7046E-07	3.024E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
519	8.7046E-07	2.3344E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.32E-10	1,000,000	9.32E-04
520	8.7046E-07	1.8586E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.42E-10	1,000,000	7.42E-04
521	8.7046E-07	1.5169E-06	6.05E-04	9.18E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
522	8.7046E-07	7.395E-07	6.05E-04	4.47E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
523	8.7046E-07	9.2506E-07	6.05E-04	5.60E-10	14.00	4.71E-02	3.69E-10	1,000,000	3.69E-04
524	8.7046E-07	1.1785E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
525	8.7046E-07	1.5251E-06	6.05E-04	9.23E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
526	8.7046E-07	1.9666E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.85E-10	1,000,000	7.85E-04
527	8.7046E-07	2.9807E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
528	8.7046E-07	4.3645E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
529	8.7046E-07	6.7457E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
530	8.7046E-07	1.0654E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
531	8.7046E-07	1.2425E-05	6.05E-04	7.52E-09	14.00	4.71E-02	4.96E-09	1,000,000	4.96E-03
532	8.7046E-07	9.3674E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
533	8.7046E-07	6.4969E-06	6.05E-04	3.93E-09	14.00	4.71E-02	2.59E-09	1,000,000	2.59E-03
534	8.7046E-07	4.6765E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
535	8.7046E-07	3.5059E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
536	8.7046E-07	2.7157E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
537	8.7046E-07	2.1606E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.63E-10	1,000,000	8.63E-04
538	8.7046E-07	1.7581E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
539	8.7046E-07	1.4573E-06	6.05E-04	8.82E-10	14.00	4.71E-02	5.82E-10	1,000,000	5.82E-04
540	8.7046E-07	6.3136E-07	6.05E-04	3.82E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
541	8.7046E-07	7.7203E-07	6.05E-04	4.67E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
542	8.7046E-07	9.5516E-07	6.05E-04	5.78E-10	14.00	4.71E-02	3.81E-10	1,000,000	3.81E-04
543	8.7046E-07	1.2038E-06	6.05E-04	7.28E-10	14.00	4.71E-02	4.81E-10	1,000,000	4.81E-04
544	8.7046E-07	1.6006E-06	6.05E-04	9.68E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
545	8.7046E-07	2.0841E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.32E-10	1,000,000	8.32E-04
546	8.7046E-07	2.8748E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
547	8.7046E-07	3.8467E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	8.7046E-07	5.0345E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
549	8.7046E-07	5.6445E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
550	8.7046E-07	5.3298E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
551	8.7046E-07	4.4284E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
552	8.7046E-07	3.5447E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
553	8.7046E-07	2.8511E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
554	8.7046E-07	2.3302E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.31E-10	1,000,000	9.31E-04
555	8.7046E-07	1.9165E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.65E-10	1,000,000	7.65E-04
556	8.7046E-07	1.6018E-06	6.05E-04	9.69E-10	14.00	4.71E-02	6.40E-10	1,000,000	6.40E-04
557	8.7046E-07	1.3555E-06	6.05E-04	8.20E-10	14.00	4.71E-02	5.41E-10	1,000,000	5.41E-04
558	8.7046E-07	5.4057E-07	6.05E-04	3.27E-10	14.00	4.71E-02	2.16E-10	1,000,000	2.16E-04
559	8.7046E-07	6.4921E-07	6.05E-04	3.93E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
560	8.7046E-07	7.6503E-07	6.05E-04	4.63E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
561	8.7046E-07	9.4389E-07	6.05E-04	5.71E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
562	8.7046E-07	1.1489E-06	6.05E-04	6.95E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
563	8.7046E-07	1.4469E-06	6.05E-04	8.75E-10	14.00	4.71E-02	5.78E-10	1,000,000	5.78E-04
564	8.7046E-07	1.9159E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.65E-10	1,000,000	7.65E-04
565	8.7046E-07	2.3813E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.51E-10	1,000,000	9.51E-04
566	8.7046E-07	2.9533E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
567	8.7046E-07	3.2445E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
568	8.7046E-07	3.3312E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
569	8.7046E-07	2.8934E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
570	8.7046E-07	2.5149E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
571	8.7046E-07	2.226E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.89E-10	1,000,000	8.89E-04
572	8.7046E-07	1.9405E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.75E-10	1,000,000	7.75E-04
573	8.7046E-07	1.66E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.63E-10	1,000,000	6.63E-04
574	8.7046E-07	1.4219E-06	6.05E-04	8.60E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
575	8.7046E-07	1.2302E-06	6.05E-04	7.44E-10	14.00	4.71E-02	4.91E-10	1,000,000	4.91E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	8.70E-07	6.6386E-07	2.50E-04	1.66E-10	1.40E+01	1.57E-02	3.66E-11	1.0E+06	3.7E-05	5.3E-04	Res	0.045	497
2	8.7046E-07	7.3244E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.03E-11	1,000,000	4.03E-05	5.8E-04			
3	8.7046E-07	8.0871E-07	2.50E-04	2.02E-10	14.00	1.57E-02	4.45E-11	1,000,000	4.45E-05	6.4E-04			
4	8.7046E-07	8.9187E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.91E-11	1,000,000	4.91E-05	7.1E-04			
5	8.7046E-07	9.8109E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.40E-11	1,000,000	5.40E-05	7.8E-04			
6	8.7046E-07	1.0734E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
7	8.7046E-07	1.1624E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.40E-11	1,000,000	6.40E-05	9.3E-04			
8	8.7046E-07	1.2418E-06	2.50E-04	3.11E-10	14.00	1.57E-02	6.84E-11	1,000,000	6.84E-05	9.9E-04			
9	8.7046E-07	1.3045E-06	2.50E-04	3.26E-10	14.00	1.57E-02	7.18E-11	1,000,000	7.18E-05	1.0E-03			
10	8.7046E-07	1.3404E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.38E-11	1,000,000	7.38E-05	1.1E-03			
11	8.7046E-07	1.3445E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.40E-11	1,000,000	7.40E-05	1.1E-03			
12	8.7046E-07	1.3168E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.25E-11	1,000,000	7.25E-05	1.0E-03			
13	8.7046E-07	1.2614E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.95E-11	1,000,000	6.95E-05	1.0E-03			
14	8.7046E-07	1.1859E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.53E-11	1,000,000	6.53E-05	9.4E-04			
15	8.7046E-07	1.0992E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.05E-11	1,000,000	6.05E-05	8.8E-04			
16	8.7046E-07	1.0075E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
17	8.7046E-07	9.1913E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.06E-11	1,000,000	5.06E-05	7.3E-04			
18	8.7046E-07	8.3506E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.60E-11	1,000,000	4.60E-05	6.7E-04			
19	8.7046E-07	7.5661E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
20	8.7046E-07	6.8701E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.78E-11	1,000,000	3.78E-05	5.5E-04			
21	8.7046E-07	6.2423E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.44E-11	1,000,000	3.44E-05	5.0E-04			
22	8.7046E-07	5.6754E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.12E-11	1,000,000	3.12E-05	4.5E-04			
23	8.7046E-07	7.2222E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.98E-11	1,000,000	3.98E-05	5.8E-04			
24	8.7046E-07	8.0612E-07	2.50E-04	2.02E-10	14.00	1.57E-02	4.44E-11	1,000,000	4.44E-05	6.4E-04			
25	8.7046E-07	9.019E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.97E-11	1,000,000	4.97E-05	7.2E-04			
26	8.7046E-07	1.0101E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	8.7046E-07	1.1297E-06	2.50E-04	2.83E-10	14.00	1.57E-02	6.22E-11	1,000,000	6.22E-05	9.0E-04			
28	8.7046E-07	1.2589E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
29	8.7046E-07	1.3882E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.64E-11	1,000,000	7.64E-05	1.1E-03			
30	8.7046E-07	1.5099E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
31	8.7046E-07	1.6062E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.84E-11	1,000,000	8.84E-05	1.3E-03			
32	8.7046E-07	1.6628E-06	2.50E-04	4.16E-10	14.00	1.57E-02	9.16E-11	1,000,000	9.16E-05	1.3E-03			
33	8.7046E-07	1.6678E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.18E-11	1,000,000	9.18E-05	1.3E-03			
34	8.7046E-07	1.6246E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.94E-11	1,000,000	8.94E-05	1.3E-03			
35	8.7046E-07	1.539E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
36	8.7046E-07	1.4261E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
37	8.7046E-07	1.2953E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.13E-11	1,000,000	7.13E-05	1.0E-03			
38	8.7046E-07	1.1673E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.43E-11	1,000,000	6.43E-05	9.3E-04			
39	8.7046E-07	1.0487E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.77E-11	1,000,000	5.77E-05	8.4E-04			
40	8.7046E-07	9.3866E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.17E-11	1,000,000	5.17E-05	7.5E-04			
41	8.7046E-07	8.392E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.62E-11	1,000,000	4.62E-05	6.7E-04			
42	8.7046E-07	7.5147E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.14E-11	1,000,000	4.14E-05	6.0E-04			
43	8.7046E-07	6.7464E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.71E-11	1,000,000	3.71E-05	5.4E-04			
44	8.7046E-07	6.1093E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.36E-11	1,000,000	3.36E-05	4.9E-04			
45	8.7046E-07	7.8337E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.31E-11	1,000,000	4.31E-05	6.2E-04			
46	8.7046E-07	8.8529E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.87E-11	1,000,000	4.87E-05	7.1E-04			
47	8.7046E-07	1.0054E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.54E-11	1,000,000	5.54E-05	8.0E-04			
48	8.7046E-07	1.1461E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.31E-11	1,000,000	6.31E-05	9.1E-04			
49	8.7046E-07	1.3083E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.20E-11	1,000,000	7.20E-05	1.0E-03			
50	8.7046E-07	1.4907E-06	2.50E-04	3.73E-10	14.00	1.57E-02	8.21E-11	1,000,000	8.21E-05	1.2E-03			
51	8.7046E-07	1.6858E-06	2.50E-04	4.22E-10	14.00	1.57E-02	9.28E-11	1,000,000	9.28E-05	1.3E-03			
52	8.7046E-07	1.8767E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	8.7046E-07	2.0377E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
54	8.7046E-07	2.1328E-06	2.50E-04	5.34E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
55	8.7046E-07	2.1422E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
56	8.7046E-07	2.0652E-06	2.50E-04	5.17E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03			
57	8.7046E-07	1.9207E-06	2.50E-04	4.81E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
58	8.7046E-07	1.7444E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
59	8.7046E-07	1.5472E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.52E-11	1,000,000	8.52E-05	1.2E-03			
60	8.7046E-07	1.3632E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.51E-11	1,000,000	7.51E-05	1.1E-03			
61	8.7046E-07	1.2006E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
62	8.7046E-07	1.0552E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
63	8.7046E-07	9.2986E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.12E-11	1,000,000	5.12E-05	7.4E-04			
64	8.7046E-07	8.2317E-07	2.50E-04	2.06E-10	14.00	1.57E-02	4.53E-11	1,000,000	4.53E-05	6.6E-04			
65	8.7046E-07	7.3297E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.04E-11	1,000,000	4.04E-05	5.8E-04			
66	8.7046E-07	6.5623E-07	2.50E-04	1.64E-10	14.00	1.57E-02	3.61E-11	1,000,000	3.61E-05	5.2E-04			
67	8.7046E-07	8.4543E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.65E-11	1,000,000	4.65E-05	6.7E-04			
68	8.7046E-07	9.6783E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.33E-11	1,000,000	5.33E-05	7.7E-04			
69	8.7046E-07	1.1169E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			
70	8.7046E-07	1.2983E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
71	8.7046E-07	1.5186E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			
72	8.7046E-07	1.7814E-06	2.50E-04	4.46E-10	14.00	1.57E-02	9.81E-11	1,000,000	9.81E-05	1.4E-03			
73	8.7046E-07	2.0832E-06	2.50E-04	5.21E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
74	8.7046E-07	2.3995E-06	2.50E-04	6.01E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
75	8.7046E-07	2.6838E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
76	8.7046E-07	2.8656E-06	2.50E-04	7.17E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
77	8.7046E-07	2.8861E-06	2.50E-04	7.22E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
78	8.7046E-07	2.7431E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
79	8.7046E-07	2.4774E-06	2.50E-04	6.20E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
80	8.7046E-07	2.1707E-06	2.50E-04	5.43E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
81	8.7046E-07	1.8706E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
82	8.7046E-07	1.607E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.85E-11	1,000,000	8.85E-05	1.3E-03			
83	8.7046E-07	1.3775E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.58E-11	1,000,000	7.58E-05	1.1E-03			
84	8.7046E-07	1.1879E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.54E-11	1,000,000	6.54E-05	9.5E-04			
85	8.7046E-07	1.0254E-06	2.50E-04	2.57E-10	14.00	1.57E-02	5.65E-11	1,000,000	5.65E-05	8.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	8.7046E-07	8.9931E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
87	8.7046E-07	7.9178E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
88	8.7046E-07	7.0304E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.87E-11	1,000,000	3.87E-05	5.6E-04			
89	8.7046E-07	9.0539E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.99E-11	1,000,000	4.99E-05	7.2E-04			
90	8.7046E-07	1.05E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			
91	8.7046E-07	1.2317E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.78E-11	1,000,000	6.78E-05	9.8E-04			
92	8.7046E-07	1.4627E-06	2.50E-04	3.66E-10	14.00	1.57E-02	8.05E-11	1,000,000	8.05E-05	1.2E-03			
93	8.7046E-07	1.759E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
94	8.7046E-07	2.1373E-06	2.50E-04	5.35E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
95	8.7046E-07	2.6129E-06	2.50E-04	6.54E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
96	8.7046E-07	3.1718E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
97	8.7046E-07	3.7348E-06	2.50E-04	9.35E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
98	8.7046E-07	4.121E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
99	8.7046E-07	4.1509E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
100	8.7046E-07	3.8265E-06	2.50E-04	9.58E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
101	8.7046E-07	3.3039E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
102	8.7046E-07	2.7593E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
103	8.7046E-07	2.2835E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
104	8.7046E-07	1.8905E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
105	8.7046E-07	1.5808E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.70E-11	1,000,000	8.70E-05	1.3E-03			
106	8.7046E-07	1.3335E-06	2.50E-04	3.34E-10	14.00	1.57E-02	7.34E-11	1,000,000	7.34E-05	1.1E-03			
107	8.7046E-07	1.1362E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.26E-11	1,000,000	6.26E-05	9.0E-04			
108	8.7046E-07	9.7946E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.39E-11	1,000,000	5.39E-05	7.8E-04			
109	8.7046E-07	8.5286E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.70E-11	1,000,000	4.70E-05	6.8E-04			
110	8.7046E-07	7.5122E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.14E-11	1,000,000	4.14E-05	6.0E-04			
111	8.7046E-07	9.5957E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.28E-11	1,000,000	5.28E-05	7.6E-04			
112	8.7046E-07	1.1264E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.20E-11	1,000,000	6.20E-05	9.0E-04			
113	8.7046E-07	1.3418E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.39E-11	1,000,000	7.39E-05	1.1E-03			
114	8.7046E-07	1.6273E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.96E-11	1,000,000	8.96E-05	1.3E-03			
115	8.7046E-07	2.0156E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
116	8.7046E-07	2.5525E-06	2.50E-04	6.39E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
117	8.7046E-07	3.3076E-06	2.50E-04	8.28E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
118	8.7046E-07	4.3504E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	8.7046E-07	5.6103E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.09E-10	1,000,000	3.09E-04	4.5E-03			
120	8.7046E-07	6.6186E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
121	8.7046E-07	6.6851E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.68E-10	1,000,000	3.68E-04	5.3E-03			
122	8.7046E-07	5.7828E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
123	8.7046E-07	4.6026E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
124	8.7046E-07	3.5798E-06	2.50E-04	8.96E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
125	8.7046E-07	2.804E-06	2.50E-04	7.02E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
126	8.7046E-07	2.2283E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
127	8.7046E-07	1.808E-06	2.50E-04	4.52E-10	14.00	1.57E-02	9.95E-11	1,000,000	9.95E-05	1.4E-03			
128	8.7046E-07	1.4926E-06	2.50E-04	3.74E-10	14.00	1.57E-02	8.22E-11	1,000,000	8.22E-05	1.2E-03			
129	8.7046E-07	1.2499E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.88E-11	1,000,000	6.88E-05	1.0E-03			
130	8.7046E-07	1.0643E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.86E-11	1,000,000	5.86E-05	8.5E-04			
131	8.7046E-07	9.1685E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
132	8.7046E-07	8.0038E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.41E-11	1,000,000	4.41E-05	6.4E-04			
133	8.7046E-07	9.7915E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.39E-11	1,000,000	5.39E-05	7.8E-04			
134	8.7046E-07	1.1765E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.48E-11	1,000,000	6.48E-05	9.4E-04			
135	8.7046E-07	1.4224E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			
136	8.7046E-07	1.7768E-06	2.50E-04	4.45E-10	14.00	1.57E-02	9.78E-11	1,000,000	9.78E-05	1.4E-03			
137	8.7046E-07	2.2619E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
138	8.7046E-07	2.9873E-06	2.50E-04	7.48E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
139	8.7046E-07	4.1431E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
140	8.7046E-07	6.1168E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.37E-10	1,000,000	3.37E-04	4.9E-03			
141	8.7046E-07	9.4279E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
142	8.7046E-07	1.3103E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.21E-10	1,000,000	7.21E-04	1.0E-02			
143	8.7046E-07	1.3166E-05	2.50E-04	3.30E-09	14.00	1.57E-02	7.25E-10	1,000,000	7.25E-04	1.0E-02			
144	8.7046E-07	9.799E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.40E-10	1,000,000	5.40E-04	7.8E-03			
145	8.7046E-07	6.7034E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
146	8.7046E-07	4.7023E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
147	8.7046E-07	3.4462E-06	2.50E-04	8.62E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
148	8.7046E-07	2.619E-06	2.50E-04	6.55E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
149	8.7046E-07	2.061E-06	2.50E-04	5.16E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
150	8.7046E-07	1.6598E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.14E-11	1,000,000	9.14E-05	1.3E-03			
151	8.7046E-07	1.3672E-06	2.50E-04	3.42E-10	14.00	1.57E-02	7.53E-11	1,000,000	7.53E-05	1.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	8.7046E-07	1.1501E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.33E-11	1,000,000	6.33E-05	9.2E-04			
153	8.7046E-07	9.8165E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.40E-11	1,000,000	5.40E-05	7.8E-04			
154	8.7046E-07	8.4955E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
155	8.7046E-07	8.9159E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.91E-11	1,000,000	4.91E-05	7.1E-04			
156	8.7046E-07	1.0898E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.00E-11	1,000,000	6.00E-05	8.7E-04			
157	8.7046E-07	1.3947E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.68E-11	1,000,000	7.68E-05	1.1E-03			
158	8.7046E-07	1.7692E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.74E-11	1,000,000	9.74E-05	1.4E-03			
159	8.7046E-07	2.4235E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
160	8.7046E-07	3.3422E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
161	8.7046E-07	4.9107E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
162	8.7046E-07	8.2375E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.54E-10	1,000,000	4.54E-04	6.6E-03			
163	8.7046E-07	1.8478E-05	2.50E-04	4.62E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
164	8.7046E-07	4.6272E-05	2.50E-04	1.16E-08	14.00	1.57E-02	2.55E-09	1,000,000	2.55E-03	3.7E-02			
165	8.7046E-07	4.4676E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.46E-09	1,000,000	2.46E-03	3.6E-02			
166	8.7046E-07	1.9435E-05	2.50E-04	4.86E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
167	8.7046E-07	1.005E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.53E-10	1,000,000	5.53E-04	8.0E-03			
168	8.7046E-07	6.175E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.9E-03			
169	8.7046E-07	4.2016E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
170	8.7046E-07	3.0467E-06	2.50E-04	7.63E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
171	8.7046E-07	2.3159E-06	2.50E-04	5.80E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
172	8.7046E-07	1.8329E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
173	8.7046E-07	1.4872E-06	2.50E-04	3.72E-10	14.00	1.57E-02	8.19E-11	1,000,000	8.19E-05	1.2E-03			
174	8.7046E-07	1.2353E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
175	8.7046E-07	1.0462E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
176	8.7046E-07	8.9875E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
177	8.7046E-07	8.4604E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.66E-11	1,000,000	4.66E-05	6.7E-04			
178	8.7046E-07	1.0542E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.80E-11	1,000,000	5.80E-05	8.4E-04			
179	8.7046E-07	1.3649E-06	2.50E-04	3.42E-10	14.00	1.57E-02	7.51E-11	1,000,000	7.51E-05	1.1E-03			
180	8.7046E-07	1.7925E-06	2.50E-04	4.49E-10	14.00	1.57E-02	9.87E-11	1,000,000	9.87E-05	1.4E-03			
181	8.7046E-07	2.4415E-06	2.50E-04	6.11E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
182	8.7046E-07	3.423E-06	2.50E-04	8.57E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
183	8.7046E-07	5.2181E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
184	8.7046E-07	4.9102E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	8.7046E-07	3.428E-06	2.50E-04	8.58E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
186	8.7046E-07	2.5611E-06	2.50E-04	6.41E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
187	8.7046E-07	1.9882E-06	2.50E-04	4.98E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
188	8.7046E-07	1.5936E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.77E-11	1,000,000	8.77E-05	1.3E-03			
189	8.7046E-07	1.3123E-06	2.50E-04	3.28E-10	14.00	1.57E-02	7.23E-11	1,000,000	7.23E-05	1.0E-03			
190	8.7046E-07	1.1027E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
191	8.7046E-07	9.4163E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.18E-11	1,000,000	5.18E-05	7.5E-04			
192	8.7046E-07	7.6921E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
193	8.7046E-07	9.4937E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.23E-11	1,000,000	5.23E-05	7.6E-04			
194	8.7046E-07	1.2306E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.78E-11	1,000,000	6.78E-05	9.8E-04			
195	8.7046E-07	1.6091E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.86E-11	1,000,000	8.86E-05	1.3E-03			
196	8.7046E-07	2.2099E-06	2.50E-04	5.53E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
197	8.7046E-07	3.0463E-06	2.50E-04	7.62E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
198	8.7046E-07	4.6557E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
199	8.7046E-07	3.3281E-05	2.50E-04	8.33E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.7E-02			
200	8.7046E-07	5.2789E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
201	8.7046E-07	3.6647E-06	2.50E-04	9.17E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
202	8.7046E-07	2.7035E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
203	8.7046E-07	2.0903E-06	2.50E-04	5.23E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
204	8.7046E-07	1.6686E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			
205	8.7046E-07	1.3676E-06	2.50E-04	3.42E-10	14.00	1.57E-02	7.53E-11	1,000,000	7.53E-05	1.1E-03			
206	8.7046E-07	1.1445E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.30E-11	1,000,000	6.30E-05	9.1E-04			
207	8.7046E-07	9.7497E-07	2.50E-04	2.44E-10	14.00	1.57E-02	5.37E-11	1,000,000	5.37E-05	7.8E-04			
208	8.7046E-07	6.8914E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.79E-11	1,000,000	3.79E-05	5.5E-04			
209	8.7046E-07	8.4606E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.66E-11	1,000,000	4.66E-05	6.7E-04			
210	8.7046E-07	1.0258E-06	2.50E-04	2.57E-10	14.00	1.57E-02	5.65E-11	1,000,000	5.65E-05	8.2E-04			
211	8.7046E-07	1.3551E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
212	8.7046E-07	1.7927E-06	2.50E-04	4.49E-10	14.00	1.57E-02	9.87E-11	1,000,000	9.87E-05	1.4E-03			
213	8.7046E-07	2.5333E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
214	8.7046E-07	3.8426E-06	2.50E-04	9.62E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
215	8.7046E-07	6.0006E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.30E-10	1,000,000	3.30E-04	4.8E-03			
216	8.7046E-07	1.1099E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.11E-10	1,000,000	6.11E-04	8.8E-03			
217	8.7046E-07	2.376E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	8.7046E-07	7.7864E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.29E-10	1,000,000	4.29E-04	6.2E-03			
219	8.7046E-07	5.1056E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
220	8.7046E-07	3.621E-06	2.50E-04	9.06E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
221	8.7046E-07	2.7087E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
222	8.7046E-07	2.1071E-06	2.50E-04	5.27E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
223	8.7046E-07	1.6894E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.30E-11	1,000,000	9.30E-05	1.3E-03			
224	8.7046E-07	1.3876E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.64E-11	1,000,000	7.64E-05	1.1E-03			
225	8.7046E-07	1.1624E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.40E-11	1,000,000	6.40E-05	9.3E-04			
226	8.7046E-07	9.9067E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
227	8.7046E-07	6.0728E-07	2.50E-04	1.52E-10	14.00	1.57E-02	3.34E-11	1,000,000	3.34E-05	4.8E-04			
228	8.7046E-07	7.2765E-07	2.50E-04	1.82E-10	14.00	1.57E-02	4.01E-11	1,000,000	4.01E-05	5.8E-04			
229	8.7046E-07	8.8703E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.88E-11	1,000,000	4.88E-05	7.1E-04			
230	8.7046E-07	1.1224E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.18E-11	1,000,000	6.18E-05	8.9E-04			
231	8.7046E-07	1.4674E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.08E-11	1,000,000	8.08E-05	1.2E-03			
232	8.7046E-07	1.9331E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
233	8.7046E-07	2.8746E-06	2.50E-04	7.19E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
234	8.7046E-07	4.2849E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
235	8.7046E-07	6.9405E-06	2.50E-04	1.74E-09	14.00	1.57E-02	3.82E-10	1,000,000	3.82E-04	5.5E-03			
236	8.7046E-07	1.2319E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
237	8.7046E-07	2.3412E-05	2.50E-04	5.86E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
238	8.7046E-07	1.7545E-05	2.50E-04	4.39E-09	14.00	1.57E-02	9.66E-10	1,000,000	9.66E-04	1.4E-02			
239	8.7046E-07	9.8202E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.41E-10	1,000,000	5.41E-04	7.8E-03			
240	8.7046E-07	6.347E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.1E-03			
241	8.7046E-07	4.4578E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.6E-03			
242	8.7046E-07	3.3039E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
243	8.7046E-07	2.5453E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
244	8.7046E-07	2.0205E-06	2.50E-04	5.06E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
245	8.7046E-07	1.6435E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.05E-11	1,000,000	9.05E-05	1.3E-03			
246	8.7046E-07	1.3638E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.51E-11	1,000,000	7.51E-05	1.1E-03			
247	8.7046E-07	1.1509E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.34E-11	1,000,000	6.34E-05	9.2E-04			
248	8.7046E-07	9.8573E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.9E-04			
249	8.7046E-07	5.3647E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.95E-11	1,000,000	2.95E-05	4.3E-04			
250	8.7046E-07	6.2997E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.47E-11	1,000,000	3.47E-05	5.0E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	8.7046E-07	7.5044E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.13E-11	1,000,000	4.13E-05	6.0E-04			
252	8.7046E-07	9.3519E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.15E-11	1,000,000	5.15E-05	7.4E-04			
253	8.7046E-07	1.1758E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.47E-11	1,000,000	6.47E-05	9.4E-04			
254	8.7046E-07	1.586E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.73E-11	1,000,000	8.73E-05	1.3E-03			
255	8.7046E-07	2.113E-06	2.50E-04	5.29E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
256	8.7046E-07	3.0762E-06	2.50E-04	7.70E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.5E-03			
257	8.7046E-07	4.2625E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
258	8.7046E-07	5.8994E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.7E-03			
259	8.7046E-07	7.791E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.29E-10	1,000,000	4.29E-04	6.2E-03			
260	8.7046E-07	7.6573E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.22E-10	1,000,000	4.22E-04	6.1E-03			
261	8.7046E-07	6.1337E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.38E-10	1,000,000	3.38E-04	4.9E-03			
262	8.7046E-07	4.6664E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
263	8.7046E-07	3.5917E-06	2.50E-04	8.99E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
264	8.7046E-07	2.8229E-06	2.50E-04	7.06E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
265	8.7046E-07	2.2657E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
266	8.7046E-07	1.8516E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
267	8.7046E-07	1.5389E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
268	8.7046E-07	1.2976E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
269	8.7046E-07	1.1084E-06	2.50E-04	2.77E-10	14.00	1.57E-02	6.10E-11	1,000,000	6.10E-05	8.8E-04			
270	8.7046E-07	9.5798E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
271	8.7046E-07	4.6274E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.55E-11	1,000,000	2.55E-05	3.7E-04			
272	8.7046E-07	5.3475E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.94E-11	1,000,000	2.94E-05	4.3E-04			
273	8.7046E-07	6.3428E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.49E-11	1,000,000	3.49E-05	5.1E-04			
274	8.7046E-07	7.63E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.20E-11	1,000,000	4.20E-05	6.1E-04			
275	8.7046E-07	9.3738E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.16E-11	1,000,000	5.16E-05	7.5E-04			
276	8.7046E-07	1.1991E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.60E-11	1,000,000	6.60E-05	9.6E-04			
277	8.7046E-07	1.5493E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.53E-11	1,000,000	8.53E-05	1.2E-03			
278	8.7046E-07	1.9933E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
279	8.7046E-07	2.6488E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
280	8.7046E-07	3.3752E-06	2.50E-04	8.45E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
281	8.7046E-07	4.028E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
282	8.7046E-07	4.285E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
283	8.7046E-07	3.9172E-06	2.50E-04	9.80E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	8.7046E-07	3.2137E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
285	8.7046E-07	2.7603E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
286	8.7046E-07	2.3268E-06	2.50E-04	5.82E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
287	8.7046E-07	1.9498E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
288	8.7046E-07	1.6409E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.03E-11	1,000,000	9.03E-05	1.3E-03			
289	8.7046E-07	1.3972E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.69E-11	1,000,000	7.69E-05	1.1E-03			
290	8.7046E-07	1.2016E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.62E-11	1,000,000	6.62E-05	9.6E-04			
291	8.7046E-07	1.0421E-06	2.50E-04	2.61E-10	14.00	1.57E-02	5.74E-11	1,000,000	5.74E-05	8.3E-04			
292	8.7046E-07	9.1143E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.02E-11	1,000,000	5.02E-05	7.3E-04			
293	8.7046E-07	4.0231E-07	2.50E-04	1.01E-10	14.00	1.57E-02	2.22E-11	1,000,000	2.22E-05	3.2E-04			
294	8.7046E-07	4.6229E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.55E-11	1,000,000	2.55E-05	3.7E-04			
295	8.7046E-07	5.3628E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.95E-11	1,000,000	2.95E-05	4.3E-04			
296	8.7046E-07	6.2475E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.44E-11	1,000,000	3.44E-05	5.0E-04			
297	8.7046E-07	7.5803E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
298	8.7046E-07	9.2267E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.08E-11	1,000,000	5.08E-05	7.3E-04			
299	8.7046E-07	1.1401E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.28E-11	1,000,000	6.28E-05	9.1E-04			
300	8.7046E-07	1.4542E-06	2.50E-04	3.64E-10	14.00	1.57E-02	8.01E-11	1,000,000	8.01E-05	1.2E-03			
301	8.7046E-07	1.7316E-06	2.50E-04	4.33E-10	14.00	1.57E-02	9.53E-11	1,000,000	9.53E-05	1.4E-03			
302	8.7046E-07	2.1582E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
303	8.7046E-07	2.483E-06	2.50E-04	6.21E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
304	8.7046E-07	2.7078E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
305	8.7046E-07	2.6008E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
306	8.7046E-07	2.2907E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
307	8.7046E-07	2.0547E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
308	8.7046E-07	1.8339E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
309	8.7046E-07	1.6463E-06	2.50E-04	4.12E-10	14.00	1.57E-02	9.06E-11	1,000,000	9.06E-05	1.3E-03			
310	8.7046E-07	1.4369E-06	2.50E-04	3.60E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
311	8.7046E-07	1.2521E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.89E-11	1,000,000	6.89E-05	1.0E-03			
312	8.7046E-07	1.0913E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
313	8.7046E-07	9.6139E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.29E-11	1,000,000	5.29E-05	7.7E-04			
314	8.7046E-07	8.5186E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
315	8.7046E-07	3.4334E-07	2.50E-04	8.59E-11	14.00	1.57E-02	1.89E-11	1,000,000	1.89E-05	2.7E-04			
316	8.7046E-07	3.9166E-07	2.50E-04	9.80E-11	14.00	1.57E-02	2.16E-11	1,000,000	2.16E-05	3.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	8.7046E-07	4.4779E-07	2.50E-04	1.12E-10	14.00	1.57E-02	2.47E-11	1,000,000	2.47E-05	3.6E-04			
318	8.7046E-07	5.1375E-07	2.50E-04	1.29E-10	14.00	1.57E-02	2.83E-11	1,000,000	2.83E-05	4.1E-04			
319	8.7046E-07	5.8959E-07	2.50E-04	1.48E-10	14.00	1.57E-02	3.25E-11	1,000,000	3.25E-05	4.7E-04			
320	8.7046E-07	7.2893E-07	2.50E-04	1.82E-10	14.00	1.57E-02	4.01E-11	1,000,000	4.01E-05	5.8E-04			
321	8.7046E-07	8.5736E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
322	8.7046E-07	1.03E-06	2.50E-04	2.58E-10	14.00	1.57E-02	5.67E-11	1,000,000	5.67E-05	8.2E-04			
323	8.7046E-07	1.2559E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.92E-11	1,000,000	6.92E-05	1.0E-03			
324	8.7046E-07	1.4711E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.10E-11	1,000,000	8.10E-05	1.2E-03			
325	8.7046E-07	1.6717E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.20E-11	1,000,000	9.20E-05	1.3E-03			
326	8.7046E-07	1.8171E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
327	8.7046E-07	2.0355E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
328	8.7046E-07	1.6346E-06	2.50E-04	4.09E-10	14.00	1.57E-02	9.00E-11	1,000,000	9.00E-05	1.3E-03			
329	8.7046E-07	1.5201E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.37E-11	1,000,000	8.37E-05	1.2E-03			
330	8.7046E-07	1.4361E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
331	8.7046E-07	1.3375E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.36E-11	1,000,000	7.36E-05	1.1E-03			
332	8.7046E-07	1.2267E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
333	8.7046E-07	1.1143E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.14E-11	1,000,000	6.14E-05	8.9E-04			
334	8.7046E-07	9.9114E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.46E-11	1,000,000	5.46E-05	7.9E-04			
335	8.7046E-07	8.8356E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
336	8.7046E-07	7.8652E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.33E-11	1,000,000	4.33E-05	6.3E-04			
337	8.7046E-07	3.0119E-07	2.50E-04	7.54E-11	14.00	1.57E-02	1.66E-11	1,000,000	1.66E-05	2.4E-04			
338	8.7046E-07	3.3714E-07	2.50E-04	8.44E-11	14.00	1.57E-02	1.86E-11	1,000,000	1.86E-05	2.7E-04			
339	8.7046E-07	3.7508E-07	2.50E-04	9.39E-11	14.00	1.57E-02	2.07E-11	1,000,000	2.07E-05	3.0E-04			
340	8.7046E-07	4.311E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04			
341	8.7046E-07	4.8683E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.68E-11	1,000,000	2.68E-05	3.9E-04			
342	8.7046E-07	5.8334E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.21E-11	1,000,000	3.21E-05	4.6E-04			
343	8.7046E-07	6.6498E-07	2.50E-04	1.66E-10	14.00	1.57E-02	3.66E-11	1,000,000	3.66E-05	5.3E-04			
344	8.7046E-07	7.8199E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.31E-11	1,000,000	4.31E-05	6.2E-04			
345	8.7046E-07	9.1377E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.03E-11	1,000,000	5.03E-05	7.3E-04			
346	8.7046E-07	1.073E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
347	8.7046E-07	1.1764E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.48E-11	1,000,000	6.48E-05	9.4E-04			
348	8.7046E-07	1.2685E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.98E-11	1,000,000	6.98E-05	1.0E-03			
349	8.7046E-07	1.1641E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	8.7046E-07	1.1483E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.32E-11	1,000,000	6.32E-05	9.1E-04			
351	8.7046E-07	1.1242E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.19E-11	1,000,000	6.19E-05	9.0E-04			
352	8.7046E-07	1.0559E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
353	8.7046E-07	1.0612E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.84E-11	1,000,000	5.84E-05	8.5E-04			
354	8.7046E-07	1.0072E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
355	8.7046E-07	9.5567E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.26E-11	1,000,000	5.26E-05	7.6E-04			
356	8.7046E-07	8.8253E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
357	8.7046E-07	8.1743E-07	2.50E-04	2.05E-10	14.00	1.57E-02	4.50E-11	1,000,000	4.50E-05	6.5E-04			
358	8.7046E-07	7.5019E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.13E-11	1,000,000	4.13E-05	6.0E-04			
359	8.7046E-07	2.5935E-07	2.50E-04	6.49E-11	14.00	1.57E-02	1.43E-11	1,000,000	1.43E-05	2.1E-04			
360	8.7046E-07	2.895E-07	2.50E-04	7.25E-11	14.00	1.57E-02	1.59E-11	1,000,000	1.59E-05	2.3E-04			
361	8.7046E-07	3.2148E-07	2.50E-04	8.05E-11	14.00	1.57E-02	1.77E-11	1,000,000	1.77E-05	2.6E-04			
362	8.7046E-07	3.5872E-07	2.50E-04	8.98E-11	14.00	1.57E-02	1.98E-11	1,000,000	1.98E-05	2.9E-04			
363	8.7046E-07	3.9845E-07	2.50E-04	9.97E-11	14.00	1.57E-02	2.19E-11	1,000,000	2.19E-05	3.2E-04			
364	8.7046E-07	4.5957E-07	2.50E-04	1.15E-10	14.00	1.57E-02	2.53E-11	1,000,000	2.53E-05	3.7E-04			
365	8.7046E-07	5.292E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.91E-11	1,000,000	2.91E-05	4.2E-04			
366	8.7046E-07	6.1248E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.37E-11	1,000,000	3.37E-05	4.9E-04			
367	8.7046E-07	7.1657E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.95E-11	1,000,000	3.95E-05	5.7E-04			
368	8.7046E-07	7.9907E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.40E-11	1,000,000	4.40E-05	6.4E-04			
369	8.7046E-07	8.4936E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
370	8.7046E-07	8.6088E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.74E-11	1,000,000	4.74E-05	6.9E-04			
371	8.7046E-07	8.817E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
372	8.7046E-07	8.7466E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.82E-11	1,000,000	4.82E-05	7.0E-04			
373	8.7046E-07	8.3619E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.60E-11	1,000,000	4.60E-05	6.7E-04			
374	8.7046E-07	7.9892E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.40E-11	1,000,000	4.40E-05	6.4E-04			
375	8.7046E-07	8.1404E-07	2.50E-04	2.04E-10	14.00	1.57E-02	4.48E-11	1,000,000	4.48E-05	6.5E-04			
376	8.7046E-07	7.9255E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
377	8.7046E-07	7.794E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.29E-11	1,000,000	4.29E-05	6.2E-04			
378	8.7046E-07	7.6677E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
379	8.7046E-07	7.2243E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.98E-11	1,000,000	3.98E-05	5.8E-04			
380	8.7046E-07	6.7322E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.71E-11	1,000,000	3.71E-05	5.4E-04			
381	8.7046E-07	9.9053E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
382	8.7046E-07	1.137E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.26E-11	1,000,000	6.26E-05	9.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	8.7046E-07	1.3112E-06	2.50E-04	3.28E-10	14.00	1.57E-02	7.22E-11	1,000,000	7.22E-05	1.0E-03			
384	8.7046E-07	1.5155E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.34E-11	1,000,000	8.34E-05	1.2E-03			
385	8.7046E-07	1.7478E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.62E-11	1,000,000	9.62E-05	1.4E-03			
386	8.7046E-07	1.9941E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
387	8.7046E-07	2.2252E-06	2.50E-04	5.57E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
388	8.7046E-07	2.4019E-06	2.50E-04	6.01E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
389	8.7046E-07	2.4774E-06	2.50E-04	6.20E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
390	8.7046E-07	2.4304E-06	2.50E-04	6.08E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
391	8.7046E-07	2.2757E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
392	8.7046E-07	2.0571E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
393	8.7046E-07	1.8169E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
394	8.7046E-07	1.5876E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.74E-11	1,000,000	8.74E-05	1.3E-03			
395	8.7046E-07	1.3776E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.59E-11	1,000,000	7.59E-05	1.1E-03			
396	8.7046E-07	1.1971E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.59E-11	1,000,000	6.59E-05	9.5E-04			
397	8.7046E-07	1.0444E-06	2.50E-04	2.61E-10	14.00	1.57E-02	5.75E-11	1,000,000	5.75E-05	8.3E-04			
398	8.7046E-07	9.1546E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.04E-11	1,000,000	5.04E-05	7.3E-04			
399	8.7046E-07	1.0874E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.99E-11	1,000,000	5.99E-05	8.7E-04			
400	8.7046E-07	1.2713E-06	2.50E-04	3.18E-10	14.00	1.57E-02	7.00E-11	1,000,000	7.00E-05	1.0E-03			
401	8.7046E-07	1.5008E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.26E-11	1,000,000	8.26E-05	1.2E-03			
402	8.7046E-07	1.7856E-06	2.50E-04	4.47E-10	14.00	1.57E-02	9.83E-11	1,000,000	9.83E-05	1.4E-03			
403	8.7046E-07	2.1324E-06	2.50E-04	5.34E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
404	8.7046E-07	2.5321E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
405	8.7046E-07	2.9472E-06	2.50E-04	7.38E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
406	8.7046E-07	3.2892E-06	2.50E-04	8.23E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
407	8.7046E-07	3.4407E-06	2.50E-04	8.61E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
408	8.7046E-07	3.346E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
409	8.7046E-07	3.0422E-06	2.50E-04	7.61E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
410	8.7046E-07	2.6411E-06	2.50E-04	6.61E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
411	8.7046E-07	2.2466E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
412	8.7046E-07	1.8983E-06	2.50E-04	4.75E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
413	8.7046E-07	1.6017E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.82E-11	1,000,000	8.82E-05	1.3E-03			
414	8.7046E-07	1.3604E-06	2.50E-04	3.40E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
415	8.7046E-07	1.164E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	8.7046E-07	1.0022E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.52E-11	1,000,000	5.52E-05	8.0E-04			
417	8.7046E-07	1.1824E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.51E-11	1,000,000	6.51E-05	9.4E-04			
418	8.7046E-07	1.4084E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.75E-11	1,000,000	7.75E-05	1.1E-03			
419	8.7046E-07	1.7043E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.38E-11	1,000,000	9.38E-05	1.4E-03			
420	8.7046E-07	2.0963E-06	2.50E-04	5.25E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
421	8.7046E-07	2.618E-06	2.50E-04	6.55E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
422	8.7046E-07	3.3004E-06	2.50E-04	8.26E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
423	8.7046E-07	4.1162E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
424	8.7046E-07	4.879E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
425	8.7046E-07	5.2254E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
426	8.7046E-07	4.9689E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.74E-10	1,000,000	2.74E-04	4.0E-03			
427	8.7046E-07	4.271E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
428	8.7046E-07	3.4949E-06	2.50E-04	8.75E-10	14.00	1.57E-02	1.92E-10	1,000,000	1.92E-04	2.8E-03			
429	8.7046E-07	2.8161E-06	2.50E-04	7.05E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
430	8.7046E-07	2.2746E-06	2.50E-04	5.69E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
431	8.7046E-07	1.8587E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
432	8.7046E-07	1.54E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.48E-11	1,000,000	8.48E-05	1.2E-03			
433	8.7046E-07	1.297E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
434	8.7046E-07	1.1012E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.06E-11	1,000,000	6.06E-05	8.8E-04			
435	8.7046E-07	1.2678E-06	2.50E-04	3.17E-10	14.00	1.57E-02	6.98E-11	1,000,000	6.98E-05	1.0E-03			
436	8.7046E-07	1.5365E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.46E-11	1,000,000	8.46E-05	1.2E-03			
437	8.7046E-07	1.9051E-06	2.50E-04	4.77E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
438	8.7046E-07	2.4271E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
439	8.7046E-07	3.1944E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
440	8.7046E-07	4.3589E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
441	8.7046E-07	6.0946E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
442	8.7046E-07	8.1846E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.51E-10	1,000,000	4.51E-04	6.5E-03			
443	8.7046E-07	9.2914E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.12E-10	1,000,000	5.12E-04	7.4E-03			
444	8.7046E-07	8.3498E-06	2.50E-04	2.09E-09	14.00	1.57E-02	4.60E-10	1,000,000	4.60E-04	6.7E-03			
445	8.7046E-07	6.428E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
446	8.7046E-07	4.7565E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
447	8.7046E-07	3.5623E-06	2.50E-04	8.92E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
448	8.7046E-07	2.7295E-06	2.50E-04	6.83E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	8.7046E-07	2.1539E-06	2.50E-04	5.39E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
450	8.7046E-07	1.7415E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.59E-11	1,000,000	9.59E-05	1.4E-03			
451	8.7046E-07	1.4296E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.87E-11	1,000,000	7.87E-05	1.1E-03			
452	8.7046E-07	1.2002E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
453	8.7046E-07	1.2627E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.95E-11	1,000,000	6.95E-05	1.0E-03			
454	8.7046E-07	1.5997E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
455	8.7046E-07	2.076E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
456	8.7046E-07	2.7265E-06	2.50E-04	6.82E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
457	8.7046E-07	3.7738E-06	2.50E-04	9.44E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
458	8.7046E-07	5.6428E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
459	8.7046E-07	9.5064E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.23E-10	1,000,000	5.23E-04	7.6E-03			
460	8.7046E-07	1.7539E-05	2.50E-04	4.39E-09	14.00	1.57E-02	9.66E-10	1,000,000	9.66E-04	1.4E-02			
461	8.7046E-07	2.3168E-05	2.50E-04	5.80E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.8E-02			
462	8.7046E-07	1.754E-05	2.50E-04	4.39E-09	14.00	1.57E-02	9.66E-10	1,000,000	9.66E-04	1.4E-02			
463	8.7046E-07	1.0452E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
464	8.7046E-07	6.5979E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.3E-03			
465	8.7046E-07	4.5032E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.48E-10	1,000,000	2.48E-04	3.6E-03			
466	8.7046E-07	3.2658E-06	2.50E-04	8.17E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
467	8.7046E-07	2.4801E-06	2.50E-04	6.21E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
468	8.7046E-07	1.9493E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
469	8.7046E-07	1.575E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.67E-11	1,000,000	8.67E-05	1.3E-03			
470	8.7046E-07	1.302E-06	2.50E-04	3.26E-10	14.00	1.57E-02	7.17E-11	1,000,000	7.17E-05	1.0E-03			
471	8.7046E-07	1.1959E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.58E-11	1,000,000	6.58E-05	9.5E-04			
472	8.7046E-07	1.5491E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.53E-11	1,000,000	8.53E-05	1.2E-03			
473	8.7046E-07	2.0777E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
474	8.7046E-07	2.8473E-06	2.50E-04	7.13E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
475	8.7046E-07	4.121E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
476	8.7046E-07	3.8262E-06	2.50E-04	9.58E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
477	8.7046E-07	2.7969E-06	2.50E-04	7.00E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
478	8.7046E-07	2.1581E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
479	8.7046E-07	1.716E-06	2.50E-04	4.29E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			
480	8.7046E-07	1.399E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.70E-11	1,000,000	7.70E-05	1.1E-03			
481	8.7046E-07	1.1172E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	8.7046E-07	1.4663E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.07E-11	1,000,000	8.07E-05	1.2E-03			
483	8.7046E-07	1.9055E-06	2.50E-04	4.77E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
484	8.7046E-07	2.6099E-06	2.50E-04	6.53E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
485	8.7046E-07	3.9811E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
486	8.7046E-07	4.2438E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
487	8.7046E-07	3.06E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
488	8.7046E-07	2.3166E-06	2.50E-04	5.80E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
489	8.7046E-07	1.8261E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
490	8.7046E-07	1.4791E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
491	8.7046E-07	9.9408E-07	2.50E-04	2.49E-10	14.00	1.57E-02	5.47E-11	1,000,000	5.47E-05	7.9E-04			
492	8.7046E-07	1.2849E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.07E-11	1,000,000	7.07E-05	1.0E-03			
493	8.7046E-07	1.6585E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.13E-11	1,000,000	9.13E-05	1.3E-03			
494	8.7046E-07	2.2898E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
495	8.7046E-07	3.3971E-06	2.50E-04	8.50E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
496	8.7046E-07	1.8538E-05	2.50E-04	4.64E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
497	8.7046E-07	5.652E-05	2.50E-04	1.41E-08	14.00	1.57E-02	3.11E-09	1,000,000	3.11E-03	4.5E-02			
498	8.7046E-07	6.4441E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
499	8.7046E-07	4.3647E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
500	8.7046E-07	3.1495E-06	2.50E-04	7.88E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
501	8.7046E-07	2.3902E-06	2.50E-04	5.98E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
502	8.7046E-07	1.8805E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
503	8.7046E-07	1.5226E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
504	8.7046E-07	8.6716E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
505	8.7046E-07	1.0651E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.86E-11	1,000,000	5.86E-05	8.5E-04			
506	8.7046E-07	1.4347E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
507	8.7046E-07	1.8717E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
508	8.7046E-07	2.7612E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
509	8.7046E-07	4.0687E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
510	8.7046E-07	6.4955E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
511	8.7046E-07	1.1745E-05	2.50E-04	2.94E-09	14.00	1.57E-02	6.47E-10	1,000,000	6.47E-04	9.4E-03			
512	8.7046E-07	2.9781E-05	2.50E-04	7.45E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
513	8.7046E-07	3.2295E-05	2.50E-04	8.08E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
514	8.7046E-07	1.6835E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.27E-10	1,000,000	9.27E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	8.7046E-07	9.0529E-06	2.50E-04	2.27E-09	14.00	1.57E-02	4.98E-10	1,000,000	4.98E-04	7.2E-03			
516	8.7046E-07	5.8175E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
517	8.7046E-07	4.0783E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.2E-03			
518	8.7046E-07	3.024E-06	2.50E-04	7.57E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
519	8.7046E-07	2.3344E-06	2.50E-04	5.84E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
520	8.7046E-07	1.8586E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
521	8.7046E-07	1.5169E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.35E-11	1,000,000	8.35E-05	1.2E-03			
522	8.7046E-07	7.395E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
523	8.7046E-07	9.2506E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.09E-11	1,000,000	5.09E-05	7.4E-04			
524	8.7046E-07	1.1785E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
525	8.7046E-07	1.5251E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.40E-11	1,000,000	8.40E-05	1.2E-03			
526	8.7046E-07	1.9666E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
527	8.7046E-07	2.9807E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
528	8.7046E-07	4.3645E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
529	8.7046E-07	6.7457E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.4E-03			
530	8.7046E-07	1.0654E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
531	8.7046E-07	1.2425E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.84E-10	1,000,000	6.84E-04	9.9E-03			
532	8.7046E-07	9.3674E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
533	8.7046E-07	6.4969E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
534	8.7046E-07	4.6765E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
535	8.7046E-07	3.5059E-06	2.50E-04	8.77E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
536	8.7046E-07	2.7157E-06	2.50E-04	6.80E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
537	8.7046E-07	2.1606E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
538	8.7046E-07	1.7581E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
539	8.7046E-07	1.4573E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.02E-11	1,000,000	8.02E-05	1.2E-03			
540	8.7046E-07	6.3136E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04			
541	8.7046E-07	7.7203E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.25E-11	1,000,000	4.25E-05	6.1E-04			
542	8.7046E-07	9.5516E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.26E-11	1,000,000	5.26E-05	7.6E-04			
543	8.7046E-07	1.2038E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.63E-11	1,000,000	6.63E-05	9.6E-04			
544	8.7046E-07	1.6006E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
545	8.7046E-07	2.0841E-06	2.50E-04	5.22E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
546	8.7046E-07	2.8748E-06	2.50E-04	7.19E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
547	8.7046E-07	3.8467E-06	2.50E-04	9.63E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	8.7046E-07	5.0345E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
549	8.7046E-07	5.6445E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
550	8.7046E-07	5.3298E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
551	8.7046E-07	4.4284E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
552	8.7046E-07	3.5447E-06	2.50E-04	8.87E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
553	8.7046E-07	2.8511E-06	2.50E-04	7.14E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
554	8.7046E-07	2.3302E-06	2.50E-04	5.83E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
555	8.7046E-07	1.9165E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
556	8.7046E-07	1.6018E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.82E-11	1,000,000	8.82E-05	1.3E-03			
557	8.7046E-07	1.3555E-06	2.50E-04	3.39E-10	14.00	1.57E-02	7.46E-11	1,000,000	7.46E-05	1.1E-03			
558	8.7046E-07	5.4057E-07	2.50E-04	1.35E-10	14.00	1.57E-02	2.98E-11	1,000,000	2.98E-05	4.3E-04			
559	8.7046E-07	6.4921E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.57E-11	1,000,000	3.57E-05	5.2E-04			
560	8.7046E-07	7.6503E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.21E-11	1,000,000	4.21E-05	6.1E-04			
561	8.7046E-07	9.4389E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.20E-11	1,000,000	5.20E-05	7.5E-04			
562	8.7046E-07	1.1489E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.33E-11	1,000,000	6.33E-05	9.2E-04			
563	8.7046E-07	1.4469E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.97E-11	1,000,000	7.97E-05	1.2E-03			
564	8.7046E-07	1.9159E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
565	8.7046E-07	2.3813E-06	2.50E-04	5.96E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
566	8.7046E-07	2.9533E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
567	8.7046E-07	3.2445E-06	2.50E-04	8.12E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
568	8.7046E-07	3.3312E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.7E-03			
569	8.7046E-07	2.8934E-06	2.50E-04	7.24E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
570	8.7046E-07	2.5149E-06	2.50E-04	6.29E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
571	8.7046E-07	2.226E-06	2.50E-04	5.57E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
572	8.7046E-07	1.9405E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
573	8.7046E-07	1.66E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.14E-11	1,000,000	9.14E-05	1.3E-03			
574	8.7046E-07	1.4219E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			
575	8.7046E-07	1.2302E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.77E-11	1,000,000	6.77E-05	9.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.33E-07		1.130E-05	497 Res
2	5	1.46E-07			
3	5	1.62E-07			
4	5	1.78E-07			
5	5	1.96E-07			
6	5	2.15E-07			
7	5	2.32E-07			
8	5	2.48E-07			
9	5	2.61E-07			
10	5	2.68E-07			
11	5	2.69E-07			
12	5	2.63E-07			
13	5	2.52E-07			
14	5	2.37E-07			
15	5	2.20E-07			
16	5	2.01E-07			
17	5	1.84E-07			
18	5	1.67E-07			
19	5	1.51E-07			
20	5	1.37E-07			
21	5	1.25E-07			
22	5	1.14E-07			
23	5	1.44E-07			
24	5	1.61E-07			
25	5	1.80E-07			
26	5	2.02E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.26E-07			
28	5	2.52E-07			
29	5	2.78E-07			
30	5	3.02E-07			
31	5	3.21E-07			
32	5	3.33E-07			
33	5	3.34E-07			
34	5	3.25E-07			
35	5	3.08E-07			
36	5	2.85E-07			
37	5	2.59E-07			
38	5	2.33E-07			
39	5	2.10E-07			
40	5	1.88E-07			
41	5	1.68E-07			
42	5	1.50E-07			
43	5	1.35E-07			
44	5	1.22E-07			
45	5	1.57E-07			
46	5	1.77E-07			
47	5	2.01E-07			
48	5	2.29E-07			
49	5	2.62E-07			
50	5	2.98E-07			
51	5	3.37E-07			
52	5	3.75E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	4.08E-07			
54	5	4.27E-07			
55	5	4.28E-07			
56	5	4.13E-07			
57	5	3.84E-07			
58	5	3.49E-07			
59	5	3.09E-07			
60	5	2.73E-07			
61	5	2.40E-07			
62	5	2.11E-07			
63	5	1.86E-07			
64	5	1.65E-07			
65	5	1.47E-07			
66	5	1.31E-07			
67	5	1.69E-07			
68	5	1.94E-07			
69	5	2.23E-07			
70	5	2.60E-07			
71	5	3.04E-07			
72	5	3.56E-07			
73	5	4.17E-07			
74	5	4.80E-07			
75	5	5.37E-07			
76	5	5.73E-07			
77	5	5.77E-07			
78	5	5.49E-07			
79	5	4.95E-07			
80	5	4.34E-07			
81	5	3.74E-07			
82	5	3.21E-07			
83	5	2.75E-07			
84	5	2.38E-07			
85	5	2.05E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	1.80E-07			
87	5	1.58E-07			
88	5	1.41E-07			
89	5	1.81E-07			
90	5	2.10E-07			
91	5	2.46E-07			
92	5	2.93E-07			
93	5	3.52E-07			
94	5	4.27E-07			
95	5	5.23E-07			
96	5	6.34E-07			
97	5	7.47E-07			
98	5	8.24E-07			
99	5	8.30E-07			
100	5	7.65E-07			
101	5	6.61E-07			
102	5	5.52E-07			
103	5	4.57E-07			
104	5	3.78E-07			
105	5	3.16E-07			
106	5	2.67E-07			
107	5	2.27E-07			
108	5	1.96E-07			
109	5	1.71E-07			
110	5	1.50E-07			
111	5	1.92E-07			
112	5	2.25E-07			
113	5	2.68E-07			
114	5	3.25E-07			
115	5	4.03E-07			
116	5	5.10E-07			
117	5	6.62E-07			
118	5	8.70E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	1.12E-06			
120	5	1.32E-06			
121	5	1.34E-06			
122	5	1.16E-06			
123	5	9.21E-07			
124	5	7.16E-07			
125	5	5.61E-07			
126	5	4.46E-07			
127	5	3.62E-07			
128	5	2.99E-07			
129	5	2.50E-07			
130	5	2.13E-07			
131	5	1.83E-07			
132	5	1.60E-07			
133	5	1.96E-07			
134	5	2.35E-07			
135	5	2.84E-07			
136	5	3.55E-07			
137	5	4.52E-07			
138	5	5.97E-07			
139	5	8.29E-07			
140	5	1.22E-06			
141	5	1.89E-06			
142	5	2.62E-06			
143	5	2.63E-06			
144	5	1.96E-06			
145	5	1.34E-06			
146	5	9.40E-07			
147	5	6.89E-07			
148	5	5.24E-07			
149	5	4.12E-07			
150	5	3.32E-07			
151	5	2.73E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	2.30E-07			
153	5	1.96E-07			
154	5	1.70E-07			
155	5	1.78E-07			
156	5	2.18E-07			
157	5	2.79E-07			
158	5	3.54E-07			
159	5	4.85E-07			
160	5	6.68E-07			
161	5	9.82E-07			
162	5	1.65E-06			
163	5	3.70E-06			
164	5	9.25E-06			
165	5	8.94E-06			
166	5	3.89E-06			
167	5	2.01E-06			
168	5	1.24E-06			
169	5	8.40E-07			
170	5	6.09E-07			
171	5	4.63E-07			
172	5	3.67E-07			
173	5	2.97E-07			
174	5	2.47E-07			
175	5	2.09E-07			
176	5	1.80E-07			
177	5	1.69E-07			
178	5	2.11E-07			
179	5	2.73E-07			
180	5	3.58E-07			
181	5	4.88E-07			
182	5	6.85E-07			
183	5	1.04E-06			
184	5	9.82E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	6.86E-07			
186	5	5.12E-07			
187	5	3.98E-07			
188	5	3.19E-07			
189	5	2.62E-07			
190	5	2.21E-07			
191	5	1.88E-07			
192	5	1.54E-07			
193	5	1.90E-07			
194	5	2.46E-07			
195	5	3.22E-07			
196	5	4.42E-07			
197	5	6.09E-07			
198	5	9.31E-07			
199	5	6.66E-06			
200	5	1.06E-06			
201	5	7.33E-07			
202	5	5.41E-07			
203	5	4.18E-07			
204	5	3.34E-07			
205	5	2.74E-07			
206	5	2.29E-07			
207	5	1.95E-07			
208	5	1.38E-07			
209	5	1.69E-07			
210	5	2.05E-07			
211	5	2.71E-07			
212	5	3.59E-07			
213	5	5.07E-07			
214	5	7.69E-07			
215	5	1.20E-06			
216	5	2.22E-06			
217	5	4.75E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.56E-06			
219	5	1.02E-06			
220	5	7.24E-07			
221	5	5.42E-07			
222	5	4.21E-07			
223	5	3.38E-07			
224	5	2.78E-07			
225	5	2.32E-07			
226	5	1.98E-07			
227	5	1.21E-07			
228	5	1.46E-07			
229	5	1.77E-07			
230	5	2.24E-07			
231	5	2.93E-07			
232	5	3.87E-07			
233	5	5.75E-07			
234	5	8.57E-07			
235	5	1.39E-06			
236	5	2.46E-06			
237	5	4.68E-06			
238	5	3.51E-06			
239	5	1.96E-06			
240	5	1.27E-06			
241	5	8.92E-07			
242	5	6.61E-07			
243	5	5.09E-07			
244	5	4.04E-07			
245	5	3.29E-07			
246	5	2.73E-07			
247	5	2.30E-07			
248	5	1.97E-07			
249	5	1.07E-07			
250	5	1.26E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.50E-07			
252	5	1.87E-07			
253	5	2.35E-07			
254	5	3.17E-07			
255	5	4.23E-07			
256	5	6.15E-07			
257	5	8.52E-07			
258	5	1.18E-06			
259	5	1.56E-06			
260	5	1.53E-06			
261	5	1.23E-06			
262	5	9.33E-07			
263	5	7.18E-07			
264	5	5.65E-07			
265	5	4.53E-07			
266	5	3.70E-07			
267	5	3.08E-07			
268	5	2.60E-07			
269	5	2.22E-07			
270	5	1.92E-07			
271	5	9.25E-08			
272	5	1.07E-07			
273	5	1.27E-07			
274	5	1.53E-07			
275	5	1.87E-07			
276	5	2.40E-07			
277	5	3.10E-07			
278	5	3.99E-07			
279	5	5.30E-07			
280	5	6.75E-07			
281	5	8.06E-07			
282	5	8.57E-07			
283	5	7.83E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	6.43E-07			
285	5	5.52E-07			
286	5	4.65E-07			
287	5	3.90E-07			
288	5	3.28E-07			
289	5	2.79E-07			
290	5	2.40E-07			
291	5	2.08E-07			
292	5	1.82E-07			
293	5	8.05E-08			
294	5	9.25E-08			
295	5	1.07E-07			
296	5	1.25E-07			
297	5	1.52E-07			
298	5	1.85E-07			
299	5	2.28E-07			
300	5	2.91E-07			
301	5	3.46E-07			
302	5	4.32E-07			
303	5	4.97E-07			
304	5	5.42E-07			
305	5	5.20E-07			
306	5	4.58E-07			
307	5	4.11E-07			
308	5	3.67E-07			
309	5	3.29E-07			
310	5	2.87E-07			
311	5	2.50E-07			
312	5	2.18E-07			
313	5	1.92E-07			
314	5	1.70E-07			
315	5	6.87E-08			
316	5	7.83E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	8.96E-08			
318	5	1.03E-07			
319	5	1.18E-07			
320	5	1.46E-07			
321	5	1.71E-07			
322	5	2.06E-07			
323	5	2.51E-07			
324	5	2.94E-07			
325	5	3.34E-07			
326	5	3.63E-07			
327	5	4.07E-07			
328	5	3.27E-07			
329	5	3.04E-07			
330	5	2.87E-07			
331	5	2.68E-07			
332	5	2.45E-07			
333	5	2.23E-07			
334	5	1.98E-07			
335	5	1.77E-07			
336	5	1.57E-07			
337	5	6.02E-08			
338	5	6.74E-08			
339	5	7.50E-08			
340	5	8.62E-08			
341	5	9.74E-08			
342	5	1.17E-07			
343	5	1.33E-07			
344	5	1.56E-07			
345	5	1.83E-07			
346	5	2.15E-07			
347	5	2.35E-07			
348	5	2.54E-07			
349	5	2.33E-07			

9th and Vineyard Operational HRA
Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	2.30E-07			
351	5	2.25E-07			
352	5	2.11E-07			
353	5	2.12E-07			
354	5	2.01E-07			
355	5	1.91E-07			
356	5	1.77E-07			
357	5	1.63E-07			
358	5	1.50E-07			
359	5	5.19E-08			
360	5	5.79E-08			
361	5	6.43E-08			
362	5	7.17E-08			
363	5	7.97E-08			
364	5	9.19E-08			
365	5	1.06E-07			
366	5	1.22E-07			
367	5	1.43E-07			
368	5	1.60E-07			
369	5	1.70E-07			
370	5	1.72E-07			
371	5	1.76E-07			
372	5	1.75E-07			
373	5	1.67E-07			
374	5	1.60E-07			
375	5	1.63E-07			
376	5	1.59E-07			
377	5	1.56E-07			
378	5	1.53E-07			
379	5	1.44E-07			
380	5	1.35E-07			
381	5	1.98E-07			
382	5	2.27E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	2.62E-07			
384	5	3.03E-07			
385	5	3.50E-07			
386	5	3.99E-07			
387	5	4.45E-07			
388	5	4.80E-07			
389	5	4.95E-07			
390	5	4.86E-07			
391	5	4.55E-07			
392	5	4.11E-07			
393	5	3.63E-07			
394	5	3.18E-07			
395	5	2.76E-07			
396	5	2.39E-07			
397	5	2.09E-07			
398	5	1.83E-07			
399	5	2.17E-07			
400	5	2.54E-07			
401	5	3.00E-07			
402	5	3.57E-07			
403	5	4.26E-07			
404	5	5.06E-07			
405	5	5.89E-07			
406	5	6.58E-07			
407	5	6.88E-07			
408	5	6.69E-07			
409	5	6.08E-07			
410	5	5.28E-07			
411	5	4.49E-07			
412	5	3.80E-07			
413	5	3.20E-07			
414	5	2.72E-07			
415	5	2.33E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	2.00E-07			
417	5	2.36E-07			
418	5	2.82E-07			
419	5	3.41E-07			
420	5	4.19E-07			
421	5	5.24E-07			
422	5	6.60E-07			
423	5	8.23E-07			
424	5	9.76E-07			
425	5	1.05E-06			
426	5	9.94E-07			
427	5	8.54E-07			
428	5	6.99E-07			
429	5	5.63E-07			
430	5	4.55E-07			
431	5	3.72E-07			
432	5	3.08E-07			
433	5	2.59E-07			
434	5	2.20E-07			
435	5	2.54E-07			
436	5	3.07E-07			
437	5	3.81E-07			
438	5	4.85E-07			
439	5	6.39E-07			
440	5	8.72E-07			
441	5	1.22E-06			
442	5	1.64E-06			
443	5	1.86E-06			
444	5	1.67E-06			
445	5	1.29E-06			
446	5	9.51E-07			
447	5	7.12E-07			
448	5	5.46E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	4.31E-07			
450	5	3.48E-07			
451	5	2.86E-07			
452	5	2.40E-07			
453	5	2.53E-07			
454	5	3.20E-07			
455	5	4.15E-07			
456	5	5.45E-07			
457	5	7.55E-07			
458	5	1.13E-06			
459	5	1.90E-06			
460	5	3.51E-06			
461	5	4.63E-06			
462	5	3.51E-06			
463	5	2.09E-06			
464	5	1.32E-06			
465	5	9.01E-07			
466	5	6.53E-07			
467	5	4.96E-07			
468	5	3.90E-07			
469	5	3.15E-07			
470	5	2.60E-07			
471	5	2.39E-07			
472	5	3.10E-07			
473	5	4.16E-07			
474	5	5.69E-07			
475	5	8.24E-07			
476	5	7.65E-07			
477	5	5.59E-07			
478	5	4.32E-07			
479	5	3.43E-07			
480	5	2.80E-07			
481	5	2.23E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	2.93E-07			
483	5	3.81E-07			
484	5	5.22E-07			
485	5	7.96E-07			
486	5	8.49E-07			
487	5	6.12E-07			
488	5	4.63E-07			
489	5	3.65E-07			
490	5	2.96E-07			
491	5	1.99E-07			
492	5	2.57E-07			
493	5	3.32E-07			
494	5	4.58E-07			
495	5	6.79E-07			
496	5	3.71E-06			
497	5	1.13E-05			
498	5	1.29E-06			
499	5	8.73E-07			
500	5	6.30E-07			
501	5	4.78E-07			
502	5	3.76E-07			
503	5	3.05E-07			
504	5	1.73E-07			
505	5	2.13E-07			
506	5	2.87E-07			
507	5	3.74E-07			
508	5	5.52E-07			
509	5	8.14E-07			
510	5	1.30E-06			
511	5	2.35E-06			
512	5	5.96E-06			
513	5	6.46E-06			
514	5	3.37E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	1.81E-06			
516	5	1.16E-06			
517	5	8.16E-07			
518	5	6.05E-07			
519	5	4.67E-07			
520	5	3.72E-07			
521	5	3.03E-07			
522	5	1.48E-07			
523	5	1.85E-07			
524	5	2.36E-07			
525	5	3.05E-07			
526	5	3.93E-07			
527	5	5.96E-07			
528	5	8.73E-07			
529	5	1.35E-06			
530	5	2.13E-06			
531	5	2.48E-06			
532	5	1.87E-06			
533	5	1.30E-06			
534	5	9.35E-07			
535	5	7.01E-07			
536	5	5.43E-07			
537	5	4.32E-07			
538	5	3.52E-07			
539	5	2.91E-07			
540	5	1.26E-07			
541	5	1.54E-07			
542	5	1.91E-07			
543	5	2.41E-07			
544	5	3.20E-07			
545	5	4.17E-07			
546	5	5.75E-07			
547	5	7.69E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE10

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.01E-06			
549	5	1.13E-06			
550	5	1.07E-06			
551	5	8.86E-07			
552	5	7.09E-07			
553	5	5.70E-07			
554	5	4.66E-07			
555	5	3.83E-07			
556	5	3.20E-07			
557	5	2.71E-07			
558	5	1.08E-07			
559	5	1.30E-07			
560	5	1.53E-07			
561	5	1.89E-07			
562	5	2.30E-07			
563	5	2.89E-07			
564	5	3.83E-07			
565	5	4.76E-07			
566	5	5.91E-07			
567	5	6.49E-07			
568	5	6.66E-07			
569	5	5.79E-07			
570	5	5.03E-07			
571	5	4.45E-07			
572	5	3.88E-07			
573	5	3.32E-07			
574	5	2.84E-07			
575	5	2.46E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.91	**1.389E-05**	1.2667E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
2	1.01	1.389E-05	1.3989E-05	3.46E-04	4.84E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
3	1.11	1.389E-05	1.5417E-05	3.46E-04	5.34E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
4	1.22	1.389E-05	1.6905E-05	3.46E-04	5.85E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
5	1.32	1.389E-05	1.8402E-05	3.46E-04	6.37E-09	0.25	1.57E-01	2.50E-10	1,000,000	2.50E-04
6	1.43	1.389E-05	1.9806E-05	3.46E-04	6.86E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
7	1.51	1.389E-05	2.0958E-05	3.46E-04	7.25E-09	0.25	1.57E-01	2.85E-10	1,000,000	2.85E-04
8	1.56	1.389E-05	2.1737E-05	3.46E-04	7.52E-09	0.25	1.57E-01	2.96E-10	1,000,000	2.96E-04
9	1.59	1.389E-05	2.2053E-05	3.46E-04	7.63E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
10	1.57	1.389E-05	2.1816E-05	3.46E-04	7.55E-09	0.25	1.57E-01	2.97E-10	1,000,000	2.97E-04
11	1.52	1.389E-05	2.1065E-05	3.46E-04	7.29E-09	0.25	1.57E-01	2.86E-10	1,000,000	2.86E-04
12	1.43	1.389E-05	1.9922E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
13	1.33	1.389E-05	1.8529E-05	3.46E-04	6.41E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
14	1.23	1.389E-05	1.7025E-05	3.46E-04	5.89E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
15	1.12	1.389E-05	1.5518E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
16	1.01	1.389E-05	1.4064E-05	3.46E-04	4.87E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
17	0.92	1.389E-05	1.2743E-05	3.46E-04	4.41E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
18	0.83	1.389E-05	1.1537E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
19	0.75	1.389E-05	1.0444E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
20	0.68	1.389E-05	9.491E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
21	0.62	1.389E-05	8.6422E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
22	0.57	1.389E-05	7.8816E-06	3.46E-04	2.73E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
23	1.01	1.389E-05	1.4054E-05	3.46E-04	4.86E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
24	1.13	1.389E-05	1.5747E-05	3.46E-04	5.45E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
25	1.27	1.389E-05	1.7635E-05	3.46E-04	6.10E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
26	1.42	1.389E-05	1.9687E-05	3.46E-04	6.82E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.57	1.389E-05	2.1816E-05	3.46E-04	7.55E-09	0.25	1.57E-01	2.97E-10	1,000,000	2.97E-04
28	1.72	1.389E-05	2.3911E-05	3.46E-04	8.28E-09	0.25	1.57E-01	3.25E-10	1,000,000	3.25E-04
29	1.85	1.389E-05	2.5679E-05	3.46E-04	8.89E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
30	1.94	1.389E-05	2.695E-05	3.46E-04	9.33E-09	0.25	1.57E-01	3.67E-10	1,000,000	3.67E-04
31	1.97	1.389E-05	2.743E-05	3.46E-04	9.50E-09	0.25	1.57E-01	3.73E-10	1,000,000	3.73E-04
32	1.95	1.389E-05	2.7041E-05	3.46E-04	9.36E-09	0.25	1.57E-01	3.68E-10	1,000,000	3.68E-04
33	1.86	1.389E-05	2.5835E-05	3.46E-04	8.94E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
34	1.74	1.389E-05	2.41E-05	3.46E-04	8.34E-09	0.25	1.57E-01	3.28E-10	1,000,000	3.28E-04
35	1.59	1.389E-05	2.2052E-05	3.46E-04	7.63E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
36	1.43	1.389E-05	1.9923E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
37	1.28	1.389E-05	1.7799E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
38	1.14	1.389E-05	1.5885E-05	3.46E-04	5.50E-09	0.25	1.57E-01	2.16E-10	1,000,000	2.16E-04
39	1.02	1.389E-05	1.4202E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
40	0.91	1.389E-05	1.2699E-05	3.46E-04	4.40E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
41	0.82	1.389E-05	1.1373E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
42	0.74	1.389E-05	1.0218E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
43	0.66	1.389E-05	9.2136E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
44	0.60	1.389E-05	8.3819E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
45	1.12	1.389E-05	1.5573E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
46	1.28	1.389E-05	1.7736E-05	3.46E-04	6.14E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
47	1.46	1.389E-05	2.025E-05	3.46E-04	7.01E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
48	1.66	1.389E-05	2.3109E-05	3.46E-04	8.00E-09	0.25	1.57E-01	3.14E-10	1,000,000	3.14E-04
49	1.89	1.389E-05	2.6227E-05	3.46E-04	9.08E-09	0.25	1.57E-01	3.57E-10	1,000,000	3.57E-04
50	2.12	1.389E-05	2.9414E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.00E-10	1,000,000	4.00E-04
51	2.33	1.389E-05	3.2315E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.39E-10	1,000,000	4.39E-04
52	2.48	1.389E-05	3.4427E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.68E-10	1,000,000	4.68E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.54	1.389E-05	3.5296E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.80E-10	1,000,000	4.80E-04
54	2.49	1.389E-05	3.4603E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.71E-10	1,000,000	4.71E-04
55	2.35	1.389E-05	3.2595E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.43E-10	1,000,000	4.43E-04
56	2.14	1.389E-05	2.9754E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.05E-10	1,000,000	4.05E-04
57	1.91	1.389E-05	2.6576E-05	3.46E-04	9.20E-09	0.25	1.57E-01	3.61E-10	1,000,000	3.61E-04
58	1.69	1.389E-05	2.3502E-05	3.46E-04	8.14E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
59	1.48	1.389E-05	2.0541E-05	3.46E-04	7.11E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
60	1.29	1.389E-05	1.7983E-05	3.46E-04	6.22E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
61	1.14	1.389E-05	1.5822E-05	3.46E-04	5.48E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
62	1.00	1.389E-05	1.3946E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
63	0.89	1.389E-05	1.2352E-05	3.46E-04	4.28E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
64	0.79	1.389E-05	1.1003E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
65	0.71	1.389E-05	9.8641E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
66	0.64	1.389E-05	8.8928E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
67	1.24	1.389E-05	1.7189E-05	3.46E-04	5.95E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
68	1.44	1.389E-05	1.9933E-05	3.46E-04	6.90E-09	0.25	1.57E-01	2.71E-10	1,000,000	2.71E-04
69	1.68	1.389E-05	2.327E-05	3.46E-04	8.06E-09	0.25	1.57E-01	3.16E-10	1,000,000	3.16E-04
70	1.96	1.389E-05	2.7262E-05	3.46E-04	9.44E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
71	2.30	1.389E-05	3.1914E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.34E-10	1,000,000	4.34E-04
72	2.67	1.389E-05	3.7018E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.03E-10	1,000,000	5.03E-04
73	3.03	1.389E-05	4.2023E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.71E-10	1,000,000	5.71E-04
74	3.30	1.389E-05	4.5863E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.24E-10	1,000,000	6.24E-04
75	3.42	1.389E-05	4.7467E-05	3.46E-04	1.64E-08	0.25	1.57E-01	6.46E-10	1,000,000	6.46E-04
76	3.33	1.389E-05	4.6243E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.29E-10	1,000,000	6.29E-04
77	3.07	1.389E-05	4.2626E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.80E-10	1,000,000	5.80E-04
78	2.72	1.389E-05	3.7774E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.14E-10	1,000,000	5.14E-04
79	2.35	1.389E-05	3.259E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.43E-10	1,000,000	4.43E-04
80	2.01	1.389E-05	2.7861E-05	3.46E-04	9.64E-09	0.25	1.57E-01	3.79E-10	1,000,000	3.79E-04
81	1.71	1.389E-05	2.378E-05	3.46E-04	8.23E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
82	1.47	1.389E-05	2.0421E-05	3.46E-04	7.07E-09	0.25	1.57E-01	2.78E-10	1,000,000	2.78E-04
83	1.27	1.389E-05	1.7598E-05	3.46E-04	6.09E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
84	1.10	1.389E-05	1.5299E-05	3.46E-04	5.30E-09	0.25	1.57E-01	2.08E-10	1,000,000	2.08E-04
85	0.96	1.389E-05	1.334E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	0.85	1.389E-05	1.1811E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
87	0.76	1.389E-05	1.0501E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
88	0.68	1.389E-05	9.4102E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
89	1.36	1.389E-05	1.8835E-05	3.46E-04	6.52E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
90	1.60	1.389E-05	2.2262E-05	3.46E-04	7.71E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
91	1.92	1.389E-05	2.663E-05	3.46E-04	9.22E-09	0.25	1.57E-01	3.62E-10	1,000,000	3.62E-04
92	2.32	1.389E-05	3.2202E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
93	2.82	1.389E-05	3.9214E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.33E-10	1,000,000	5.33E-04
94	3.43	1.389E-05	4.7628E-05	3.46E-04	1.65E-08	0.25	1.57E-01	6.48E-10	1,000,000	6.48E-04
95	4.09	1.389E-05	5.6812E-05	3.46E-04	1.97E-08	0.25	1.57E-01	7.73E-10	1,000,000	7.73E-04
96	4.66	1.389E-05	6.4731E-05	3.46E-04	2.24E-08	0.25	1.57E-01	8.80E-10	1,000,000	8.80E-04
97	4.92	1.389E-05	6.8363E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.30E-10	1,000,000	9.30E-04
98	4.73	1.389E-05	6.5682E-05	3.46E-04	2.27E-08	0.25	1.57E-01	8.93E-10	1,000,000	8.93E-04
99	4.18	1.389E-05	5.8126E-05	3.46E-04	2.01E-08	0.25	1.57E-01	7.90E-10	1,000,000	7.90E-04
100	3.53	1.389E-05	4.8984E-05	3.46E-04	1.70E-08	0.25	1.57E-01	6.66E-10	1,000,000	6.66E-04
101	2.91	1.389E-05	4.0383E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.49E-10	1,000,000	5.49E-04
102	2.39	1.389E-05	3.3208E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.52E-10	1,000,000	4.52E-04
103	1.98	1.389E-05	2.7526E-05	3.46E-04	9.53E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
104	1.66	1.389E-05	2.3026E-05	3.46E-04	7.97E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
105	1.41	1.389E-05	1.9519E-05	3.46E-04	6.76E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
106	1.20	1.389E-05	1.6715E-05	3.46E-04	5.79E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
107	1.04	1.389E-05	1.4455E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
108	0.91	1.389E-05	1.2637E-05	3.46E-04	4.37E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
109	0.80	1.389E-05	1.1148E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
110	0.72	1.389E-05	9.9342E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
111	1.47	1.389E-05	2.0394E-05	3.46E-04	7.06E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
112	1.77	1.389E-05	2.4577E-05	3.46E-04	8.51E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
113	2.17	1.389E-05	3.0155E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.10E-10	1,000,000	4.10E-04
114	2.72	1.389E-05	3.7755E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.13E-10	1,000,000	5.13E-04
115	3.47	1.389E-05	4.8223E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.56E-10	1,000,000	6.56E-04
116	4.49	1.389E-05	6.242E-05	3.46E-04	2.16E-08	0.25	1.57E-01	8.49E-10	1,000,000	8.49E-04
117	5.80	1.389E-05	8.0592E-05	3.46E-04	2.79E-08	0.25	1.57E-01	1.10E-09	1,000,000	1.10E-03
118	7.17	1.389E-05	9.9533E-05	3.46E-04	3.45E-08	0.25	1.57E-01	1.35E-09	1,000,000	1.35E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	7.88	1.389E-05	0.00010947	3.46E-04	3.79E-08	0.25	1.57E-01	1.49E-09	1,000,000	1.49E-03
120	7.37	1.389E-05	0.00010232	3.46E-04	3.54E-08	0.25	1.57E-01	1.39E-09	1,000,000	1.39E-03
121	6.06	1.389E-05	8.4169E-05	3.46E-04	2.91E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
122	4.71	1.389E-05	6.5363E-05	3.46E-04	2.26E-08	0.25	1.57E-01	8.89E-10	1,000,000	8.89E-04
123	3.64	1.389E-05	5.0537E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.87E-10	1,000,000	6.87E-04
124	2.85	1.389E-05	3.9652E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.39E-10	1,000,000	5.39E-04
125	2.29	1.389E-05	3.1754E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.32E-10	1,000,000	4.32E-04
126	1.86	1.389E-05	2.5894E-05	3.46E-04	8.96E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
127	1.55	1.389E-05	2.1539E-05	3.46E-04	7.46E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
128	1.31	1.389E-05	1.8196E-05	3.46E-04	6.30E-09	0.25	1.57E-01	2.47E-10	1,000,000	2.47E-04
129	1.12	1.389E-05	1.5559E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
130	0.97	1.389E-05	1.3494E-05	3.46E-04	4.67E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
131	0.85	1.389E-05	1.1816E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
132	0.75	1.389E-05	1.0462E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
133	1.56	1.389E-05	2.1723E-05	3.46E-04	7.52E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
134	1.92	1.389E-05	2.6617E-05	3.46E-04	9.21E-09	0.25	1.57E-01	3.62E-10	1,000,000	3.62E-04
135	2.41	1.389E-05	3.3448E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.55E-10	1,000,000	4.55E-04
136	3.12	1.389E-05	4.3387E-05	3.46E-04	1.50E-08	0.25	1.57E-01	5.90E-10	1,000,000	5.90E-04
137	4.21	1.389E-05	5.8418E-05	3.46E-04	2.02E-08	0.25	1.57E-01	7.94E-10	1,000,000	7.94E-04
138	5.91	1.389E-05	8.2053E-05	3.46E-04	2.84E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
139	8.62	1.389E-05	0.00011973	3.46E-04	4.14E-08	0.25	1.57E-01	1.63E-09	1,000,000	1.63E-03
140	12.53	1.389E-05	0.00017402	3.46E-04	6.02E-08	0.25	1.57E-01	2.37E-09	1,000,000	2.37E-03
141	15.34	1.389E-05	0.00021307	3.46E-04	7.38E-08	0.25	1.57E-01	2.90E-09	1,000,000	2.90E-03
142	13.31	1.389E-05	0.00018493	3.46E-04	6.40E-08	0.25	1.57E-01	2.51E-09	1,000,000	2.51E-03
143	9.34	1.389E-05	0.00012969	3.46E-04	4.49E-08	0.25	1.57E-01	1.76E-09	1,000,000	1.76E-03
144	6.40	1.389E-05	8.8947E-05	3.46E-04	3.08E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
145	4.56	1.389E-05	6.3369E-05	3.46E-04	2.19E-08	0.25	1.57E-01	8.62E-10	1,000,000	8.62E-04
146	3.39	1.389E-05	4.7124E-05	3.46E-04	1.63E-08	0.25	1.57E-01	6.41E-10	1,000,000	6.41E-04
147	2.62	1.389E-05	3.6421E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.95E-10	1,000,000	4.95E-04
148	2.09	1.389E-05	2.8974E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.94E-10	1,000,000	3.94E-04
149	1.70	1.389E-05	2.368E-05	3.46E-04	8.20E-09	0.25	1.57E-01	3.22E-10	1,000,000	3.22E-04
150	1.42	1.389E-05	1.9695E-05	3.46E-04	6.82E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
151	1.20	1.389E-05	1.6669E-05	3.46E-04	5.77E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.03	1.389E-05	1.4342E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
153	0.90	1.389E-05	1.2483E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
154	0.79	1.389E-05	1.0985E-05	3.46E-04	3.80E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
155	1.44	1.389E-05	2.0033E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
156	1.86	1.389E-05	2.5769E-05	3.46E-04	8.92E-09	0.25	1.57E-01	3.50E-10	1,000,000	3.50E-04
157	2.59	1.389E-05	3.6018E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.90E-10	1,000,000	4.90E-04
158	3.46	1.389E-05	4.8026E-05	3.46E-04	1.66E-08	0.25	1.57E-01	6.53E-10	1,000,000	6.53E-04
159	4.88	1.389E-05	6.7778E-05	3.46E-04	2.35E-08	0.25	1.57E-01	9.22E-10	1,000,000	9.22E-04
160	7.45	1.389E-05	0.0001035	3.46E-04	3.58E-08	0.25	1.57E-01	1.41E-09	1,000,000	1.41E-03
161	12.76	1.389E-05	0.00017725	3.46E-04	6.14E-08	0.25	1.57E-01	2.41E-09	1,000,000	2.41E-03
162	25.71	1.389E-05	0.00035707	3.46E-04	1.24E-07	0.25	1.57E-01	4.86E-09	1,000,000	4.86E-03
163	50.69	1.389E-05	0.00070409	3.46E-04	2.44E-07	0.25	1.57E-01	9.58E-09	1,000,000	9.58E-03
164	30.74	1.389E-05	0.00042696	3.46E-04	1.48E-07	0.25	1.57E-01	5.81E-09	1,000,000	5.81E-03
165	15.12	1.389E-05	0.00020999	3.46E-04	7.27E-08	0.25	1.57E-01	2.86E-09	1,000,000	2.86E-03
166	8.73	1.389E-05	0.00012127	3.46E-04	4.20E-08	0.25	1.57E-01	1.65E-09	1,000,000	1.65E-03
167	5.67	1.389E-05	7.8759E-05	3.46E-04	2.73E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
168	3.99	1.389E-05	5.5477E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.54E-10	1,000,000	7.54E-04
169	2.98	1.389E-05	4.1406E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.63E-10	1,000,000	5.63E-04
170	2.31	1.389E-05	3.2144E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.37E-10	1,000,000	4.37E-04
171	1.85	1.389E-05	2.5742E-05	3.46E-04	8.91E-09	0.25	1.57E-01	3.50E-10	1,000,000	3.50E-04
172	1.53	1.389E-05	2.1209E-05	3.46E-04	7.34E-09	0.25	1.57E-01	2.88E-10	1,000,000	2.88E-04
173	1.28	1.389E-05	1.7785E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
174	1.09	1.389E-05	1.5174E-05	3.46E-04	5.25E-09	0.25	1.57E-01	2.06E-10	1,000,000	2.06E-04
175	0.95	1.389E-05	1.3141E-05	3.46E-04	4.55E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
176	0.83	1.389E-05	1.1506E-05	3.46E-04	3.98E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
177	1.39	1.389E-05	1.9295E-05	3.46E-04	6.68E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
178	1.80	1.389E-05	2.4986E-05	3.46E-04	8.65E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
179	2.51	1.389E-05	3.4825E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
180	3.59	1.389E-05	4.9827E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.78E-10	1,000,000	6.78E-04
181	5.27	1.389E-05	7.3222E-05	3.46E-04	2.53E-08	0.25	1.57E-01	9.96E-10	1,000,000	9.96E-04
182	8.46	1.389E-05	0.00011754	3.46E-04	4.07E-08	0.25	1.57E-01	1.60E-09	1,000,000	1.60E-03
183	16.27	1.389E-05	0.00022603	3.46E-04	7.82E-08	0.25	1.57E-01	3.07E-09	1,000,000	3.07E-03
184	3.30	1.389E-05	4.5834E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.23E-10	1,000,000	6.23E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	2.51	1.389E-05	3.4874E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
186	1.99	1.389E-05	2.7698E-05	3.46E-04	9.59E-09	0.25	1.57E-01	3.77E-10	1,000,000	3.77E-04
187	1.62	1.389E-05	2.2548E-05	3.46E-04	7.81E-09	0.25	1.57E-01	3.07E-10	1,000,000	3.07E-04
188	1.35	1.389E-05	1.8762E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
189	1.15	1.389E-05	1.592E-05	3.46E-04	5.51E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
190	0.99	1.389E-05	1.3713E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
191	0.86	1.389E-05	1.1955E-05	3.46E-04	4.14E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
192	1.27	1.389E-05	1.7646E-05	3.46E-04	6.11E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
193	1.63	1.389E-05	2.2686E-05	3.46E-04	7.85E-09	0.25	1.57E-01	3.09E-10	1,000,000	3.09E-04
194	2.21	1.389E-05	3.0725E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.18E-10	1,000,000	4.18E-04
195	3.09	1.389E-05	4.2987E-05	3.46E-04	1.49E-08	0.25	1.57E-01	5.85E-10	1,000,000	5.85E-04
196	4.73	1.389E-05	6.5648E-05	3.46E-04	2.27E-08	0.25	1.57E-01	8.93E-10	1,000,000	8.93E-04
197	7.68	1.389E-05	0.00010663	3.46E-04	3.69E-08	0.25	1.57E-01	1.45E-09	1,000,000	1.45E-03
198	15.23	1.389E-05	0.00021156	3.46E-04	7.32E-08	0.25	1.57E-01	2.88E-09	1,000,000	2.88E-03
199	65.73	1.389E-05	0.00091296	3.46E-04	3.16E-07	0.25	1.57E-01	1.24E-08	1,000,000	1.24E-02
200	3.47	1.389E-05	4.8144E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.55E-10	1,000,000	6.55E-04
201	2.63	1.389E-05	3.658E-05	3.46E-04	1.27E-08	0.25	1.57E-01	4.97E-10	1,000,000	4.97E-04
202	2.08	1.389E-05	2.8827E-05	3.46E-04	9.98E-09	0.25	1.57E-01	3.92E-10	1,000,000	3.92E-04
203	1.69	1.389E-05	2.3426E-05	3.46E-04	8.11E-09	0.25	1.57E-01	3.19E-10	1,000,000	3.19E-04
204	1.40	1.389E-05	1.945E-05	3.46E-04	6.73E-09	0.25	1.57E-01	2.65E-10	1,000,000	2.65E-04
205	1.18	1.389E-05	1.6454E-05	3.46E-04	5.70E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
206	1.02	1.389E-05	1.4134E-05	3.46E-04	4.89E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
207	0.89	1.389E-05	1.2305E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
208	1.12	1.389E-05	1.5512E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
209	1.43	1.389E-05	1.9808E-05	3.46E-04	6.86E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
210	1.81	1.389E-05	2.5151E-05	3.46E-04	8.71E-09	0.25	1.57E-01	3.42E-10	1,000,000	3.42E-04
211	2.55	1.389E-05	3.5464E-05	3.46E-04	1.23E-08	0.25	1.57E-01	4.82E-10	1,000,000	4.82E-04
212	3.65	1.389E-05	5.072E-05	3.46E-04	1.76E-08	0.25	1.57E-01	6.90E-10	1,000,000	6.90E-04
213	5.69	1.389E-05	7.9065E-05	3.46E-04	2.74E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
214	9.84	1.389E-05	0.00013673	3.46E-04	4.73E-08	0.25	1.57E-01	1.86E-09	1,000,000	1.86E-03
215	18.93	1.389E-05	0.00026289	3.46E-04	9.10E-08	0.25	1.57E-01	3.58E-09	1,000,000	3.58E-03
216	31.72	1.389E-05	0.00044065	3.46E-04	1.53E-07	0.25	1.57E-01	5.99E-09	1,000,000	5.99E-03
217	25.41	1.389E-05	0.00035299	3.46E-04	1.22E-07	0.25	1.57E-01	4.80E-09	1,000,000	4.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	4.53	1.389E-05	6.2983E-05	3.46E-04	2.18E-08	0.25	1.57E-01	8.57E-10	1,000,000	8.57E-04
219	3.37	1.389E-05	4.6862E-05	3.46E-04	1.62E-08	0.25	1.57E-01	6.37E-10	1,000,000	6.37E-04
220	2.61	1.389E-05	3.6226E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.93E-10	1,000,000	4.93E-04
221	2.08	1.389E-05	2.8869E-05	3.46E-04	9.99E-09	0.25	1.57E-01	3.93E-10	1,000,000	3.93E-04
222	1.70	1.389E-05	2.3576E-05	3.46E-04	8.16E-09	0.25	1.57E-01	3.21E-10	1,000,000	3.21E-04
223	1.41	1.389E-05	1.9647E-05	3.46E-04	6.80E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
224	1.20	1.389E-05	1.6652E-05	3.46E-04	5.76E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
225	1.03	1.389E-05	1.4318E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
226	0.90	1.389E-05	1.247E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
227	0.96	1.389E-05	1.3342E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
228	1.19	1.389E-05	1.6499E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
229	1.50	1.389E-05	2.0877E-05	3.46E-04	7.23E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04
230	1.99	1.389E-05	2.7638E-05	3.46E-04	9.57E-09	0.25	1.57E-01	3.76E-10	1,000,000	3.76E-04
231	2.74	1.389E-05	3.8072E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.18E-10	1,000,000	5.18E-04
232	3.81	1.389E-05	5.2913E-05	3.46E-04	1.83E-08	0.25	1.57E-01	7.20E-10	1,000,000	7.20E-04
233	5.93	1.389E-05	8.24E-05	3.46E-04	2.85E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
234	8.54	1.389E-05	0.00011857	3.46E-04	4.10E-08	0.25	1.57E-01	1.61E-09	1,000,000	1.61E-03
235	11.14	1.389E-05	0.0001547	3.46E-04	5.36E-08	0.25	1.57E-01	2.10E-09	1,000,000	2.10E-03
236	11.01	1.389E-05	0.00015293	3.46E-04	5.29E-08	0.25	1.57E-01	2.08E-09	1,000,000	2.08E-03
237	9.06	1.389E-05	0.00012586	3.46E-04	4.36E-08	0.25	1.57E-01	1.71E-09	1,000,000	1.71E-03
238	6.82	1.389E-05	9.4679E-05	3.46E-04	3.28E-08	0.25	1.57E-01	1.29E-09	1,000,000	1.29E-03
239	5.12	1.389E-05	7.1067E-05	3.46E-04	2.46E-08	0.25	1.57E-01	9.66E-10	1,000,000	9.66E-04
240	3.91	1.389E-05	5.4249E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.38E-10	1,000,000	7.38E-04
241	3.05	1.389E-05	4.2343E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.76E-10	1,000,000	5.76E-04
242	2.43	1.389E-05	3.3799E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.60E-10	1,000,000	4.60E-04
243	1.98	1.389E-05	2.7529E-05	3.46E-04	9.53E-09	0.25	1.57E-01	3.74E-10	1,000,000	3.74E-04
244	1.64	1.389E-05	2.2827E-05	3.46E-04	7.90E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
245	1.38	1.389E-05	1.9234E-05	3.46E-04	6.66E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
246	1.18	1.389E-05	1.6432E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
247	1.02	1.389E-05	1.421E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
248	0.89	1.389E-05	1.2426E-05	3.46E-04	4.30E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
249	0.83	1.389E-05	1.1469E-05	3.46E-04	3.97E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
250	0.99	1.389E-05	1.3778E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.21	1.389E-05	1.6821E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
252	1.55	1.389E-05	2.1546E-05	3.46E-04	7.46E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
253	2.00	1.389E-05	2.7754E-05	3.46E-04	9.61E-09	0.25	1.57E-01	3.77E-10	1,000,000	3.77E-04
254	2.75	1.389E-05	3.8131E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.19E-10	1,000,000	5.19E-04
255	3.61	1.389E-05	5.013E-05	3.46E-04	1.74E-08	0.25	1.57E-01	6.82E-10	1,000,000	6.82E-04
256	4.88	1.389E-05	6.7776E-05	3.46E-04	2.35E-08	0.25	1.57E-01	9.22E-10	1,000,000	9.22E-04
257	5.57	1.389E-05	7.7393E-05	3.46E-04	2.68E-08	0.25	1.57E-01	1.05E-09	1,000,000	1.05E-03
258	5.65	1.389E-05	7.8529E-05	3.46E-04	2.72E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
259	5.51	1.389E-05	7.6468E-05	3.46E-04	2.65E-08	0.25	1.57E-01	1.04E-09	1,000,000	1.04E-03
260	4.79	1.389E-05	6.6596E-05	3.46E-04	2.31E-08	0.25	1.57E-01	9.06E-10	1,000,000	9.06E-04
261	3.92	1.389E-05	5.4417E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.40E-10	1,000,000	7.40E-04
262	3.19	1.389E-05	4.4332E-05	3.46E-04	1.53E-08	0.25	1.57E-01	6.03E-10	1,000,000	6.03E-04
263	2.62	1.389E-05	3.6346E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.94E-10	1,000,000	4.94E-04
264	2.17	1.389E-05	3.0098E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.09E-10	1,000,000	4.09E-04
265	1.81	1.389E-05	2.5203E-05	3.46E-04	8.72E-09	0.25	1.57E-01	3.43E-10	1,000,000	3.43E-04
266	1.54	1.389E-05	2.1338E-05	3.46E-04	7.39E-09	0.25	1.57E-01	2.90E-10	1,000,000	2.90E-04
267	1.32	1.389E-05	1.8269E-05	3.46E-04	6.32E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04
268	1.14	1.389E-05	1.5799E-05	3.46E-04	5.47E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
269	0.99	1.389E-05	1.3791E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
270	0.87	1.389E-05	1.2145E-05	3.46E-04	4.20E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
271	0.69	1.389E-05	9.5952E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
272	0.81	1.389E-05	1.1245E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
273	0.97	1.389E-05	1.3524E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
274	1.18	1.389E-05	1.6449E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
275	1.46	1.389E-05	2.0316E-05	3.46E-04	7.03E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04
276	1.86	1.389E-05	2.5845E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
277	2.33	1.389E-05	3.2369E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.40E-10	1,000,000	4.40E-04
278	2.78	1.389E-05	3.8628E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.25E-10	1,000,000	5.25E-04
279	3.24	1.389E-05	4.5055E-05	3.46E-04	1.56E-08	0.25	1.57E-01	6.13E-10	1,000,000	6.13E-04
280	3.48	1.389E-05	4.8271E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.56E-10	1,000,000	6.56E-04
281	3.50	1.389E-05	4.8598E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.61E-10	1,000,000	6.61E-04
282	3.39	1.389E-05	4.7065E-05	3.46E-04	1.63E-08	0.25	1.57E-01	6.40E-10	1,000,000	6.40E-04
283	3.02	1.389E-05	4.1929E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.70E-10	1,000,000	5.70E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.57	1.389E-05	3.5701E-05	3.46E-04	1.24E-08	0.25	1.57E-01	4.86E-10	1,000,000	4.86E-04
285	2.20	1.389E-05	3.0498E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.15E-10	1,000,000	4.15E-04
286	1.88	1.389E-05	2.6103E-05	3.46E-04	9.04E-09	0.25	1.57E-01	3.55E-10	1,000,000	3.55E-04
287	1.62	1.389E-05	2.2456E-05	3.46E-04	7.77E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04
288	1.40	1.389E-05	1.9442E-05	3.46E-04	6.73E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
289	1.22	1.389E-05	1.6939E-05	3.46E-04	5.86E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04
290	1.07	1.389E-05	1.4861E-05	3.46E-04	5.14E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
291	0.94	1.389E-05	1.3124E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
292	0.84	1.389E-05	1.1664E-05	3.46E-04	4.04E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
293	0.58	1.389E-05	8.0784E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
294	0.67	1.389E-05	9.3495E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
295	0.78	1.389E-05	1.0899E-05	3.46E-04	3.77E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
296	0.91	1.389E-05	1.2705E-05	3.46E-04	4.40E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
297	1.11	1.389E-05	1.5361E-05	3.46E-04	5.32E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
298	1.33	1.389E-05	1.8406E-05	3.46E-04	6.37E-09	0.25	1.57E-01	2.50E-10	1,000,000	2.50E-04
299	1.58	1.389E-05	2.1981E-05	3.46E-04	7.61E-09	0.25	1.57E-01	2.99E-10	1,000,000	2.99E-04
300	1.90	1.389E-05	2.6394E-05	3.46E-04	9.14E-09	0.25	1.57E-01	3.59E-10	1,000,000	3.59E-04
301	2.06	1.389E-05	2.8681E-05	3.46E-04	9.93E-09	0.25	1.57E-01	3.90E-10	1,000,000	3.90E-04
302	2.31	1.389E-05	3.206E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.36E-10	1,000,000	4.36E-04
303	2.41	1.389E-05	3.3413E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.54E-10	1,000,000	4.54E-04
304	2.40	1.389E-05	3.3398E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.54E-10	1,000,000	4.54E-04
305	2.26	1.389E-05	3.1343E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.26E-10	1,000,000	4.26E-04
306	2.01	1.389E-05	2.7917E-05	3.46E-04	9.66E-09	0.25	1.57E-01	3.80E-10	1,000,000	3.80E-04
307	1.82	1.389E-05	2.5289E-05	3.46E-04	8.75E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
308	1.65	1.389E-05	2.2854E-05	3.46E-04	7.91E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
309	1.42	1.389E-05	1.9768E-05	3.46E-04	6.84E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
310	1.26	1.389E-05	1.7441E-05	3.46E-04	6.04E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
311	1.11	1.389E-05	1.5454E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
312	0.99	1.389E-05	1.3757E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
313	0.89	1.389E-05	1.2294E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
314	0.79	1.389E-05	1.1038E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
315	0.48	1.389E-05	6.6717E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.07E-11	1,000,000	9.07E-05
316	0.55	1.389E-05	7.6294E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.63	1.389E-05	8.7211E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
318	0.72	1.389E-05	9.9649E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
319	0.82	1.389E-05	1.1323E-05	3.46E-04	3.92E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
320	0.99	1.389E-05	1.3801E-05	3.46E-04	4.78E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
321	1.13	1.389E-05	1.5734E-05	3.46E-04	5.45E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
322	1.30	1.389E-05	1.8011E-05	3.46E-04	6.23E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
323	1.48	1.389E-05	2.0572E-05	3.46E-04	7.12E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
324	1.61	1.389E-05	2.2377E-05	3.46E-04	7.75E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
325	1.71	1.389E-05	2.3791E-05	3.46E-04	8.24E-09	0.25	1.57E-01	3.24E-10	1,000,000	3.24E-04
326	1.77	1.389E-05	2.4527E-05	3.46E-04	8.49E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
327	1.91	1.389E-05	2.6517E-05	3.46E-04	9.18E-09	0.25	1.57E-01	3.61E-10	1,000,000	3.61E-04
328	1.54	1.389E-05	2.1429E-05	3.46E-04	7.42E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
329	1.44	1.389E-05	1.9989E-05	3.46E-04	6.92E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
330	1.36	1.389E-05	1.8854E-05	3.46E-04	6.53E-09	0.25	1.57E-01	2.56E-10	1,000,000	2.56E-04
331	1.26	1.389E-05	1.7507E-05	3.46E-04	6.06E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
332	1.15	1.389E-05	1.5975E-05	3.46E-04	5.53E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
333	1.05	1.389E-05	1.4578E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
334	0.91	1.389E-05	1.2603E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
335	0.82	1.389E-05	1.1393E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
336	0.74	1.389E-05	1.0331E-05	3.46E-04	3.58E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
337	0.41	1.389E-05	5.6926E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.74E-11	1,000,000	7.74E-05
338	0.46	1.389E-05	6.3672E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.66E-11	1,000,000	8.66E-05
339	0.51	1.389E-05	7.0577E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.60E-11	1,000,000	9.60E-05
340	0.58	1.389E-05	8.073E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
341	0.65	1.389E-05	9.0217E-06	3.46E-04	3.12E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
342	0.77	1.389E-05	1.0653E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
343	0.85	1.389E-05	1.1823E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
344	0.96	1.389E-05	1.3384E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
345	1.07	1.389E-05	1.4892E-05	3.46E-04	5.16E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
346	1.19	1.389E-05	1.6578E-05	3.46E-04	5.74E-09	0.25	1.57E-01	2.25E-10	1,000,000	2.25E-04
347	1.25	1.389E-05	1.7306E-05	3.46E-04	5.99E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
348	1.29	1.389E-05	1.7979E-05	3.46E-04	6.22E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
349	1.17	1.389E-05	1.6213E-05	3.46E-04	5.61E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.14	1.389E-05	1.5869E-05	3.46E-04	5.49E-09	0.25	1.57E-01	2.16E-10	1,000,000	2.16E-04
351	1.12	1.389E-05	1.5535E-05	3.46E-04	5.38E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
352	1.06	1.389E-05	1.4666E-05	3.46E-04	5.08E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
353	1.05	1.389E-05	1.4577E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
354	0.99	1.389E-05	1.3805E-05	3.46E-04	4.78E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
355	0.94	1.389E-05	1.3116E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
356	0.86	1.389E-05	1.1902E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
357	0.79	1.389E-05	1.1023E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
358	0.72	1.389E-05	9.9995E-06	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
359	0.34	1.389E-05	4.7832E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.50E-11	1,000,000	6.50E-05
360	0.38	1.389E-05	5.3291E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.25E-11	1,000,000	7.25E-05
361	0.42	1.389E-05	5.894E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.02E-11	1,000,000	8.02E-05
362	0.47	1.389E-05	6.5367E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
363	0.52	1.389E-05	7.1897E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.78E-11	1,000,000	9.78E-05
364	0.59	1.389E-05	8.1777E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
365	0.66	1.389E-05	9.211E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
366	0.74	1.389E-05	1.0337E-05	3.46E-04	3.58E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
367	0.84	1.389E-05	1.1647E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
368	0.90	1.389E-05	1.2476E-05	3.46E-04	4.32E-09	0.25	1.57E-01	1.70E-10	1,000,000	1.70E-04
369	0.92	1.389E-05	1.278E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
370	0.91	1.389E-05	1.2594E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
371	0.91	1.389E-05	1.2668E-05	3.46E-04	4.39E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
372	0.90	1.389E-05	1.2463E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
373	0.86	1.389E-05	1.1924E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
374	0.82	1.389E-05	1.144E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
375	0.84	1.389E-05	1.1607E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
376	0.81	1.389E-05	1.1307E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
377	0.80	1.389E-05	1.1067E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
378	0.78	1.389E-05	1.0804E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
379	0.71	1.389E-05	9.9283E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
380	0.68	1.389E-05	9.4286E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
381	1.45	1.389E-05	2.0208E-05	3.46E-04	7.00E-09	0.25	1.57E-01	2.75E-10	1,000,000	2.75E-04
382	1.68	1.389E-05	2.3344E-05	3.46E-04	8.08E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.94	1.389E-05	2.6948E-05	3.46E-04	9.33E-09	0.25	1.57E-01	3.66E-10	1,000,000	3.66E-04
384	2.22	1.389E-05	3.0898E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.20E-10	1,000,000	4.20E-04
385	2.51	1.389E-05	3.4883E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
386	2.76	1.389E-05	3.8273E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.20E-10	1,000,000	5.20E-04
387	2.90	1.389E-05	4.029E-05	3.46E-04	1.39E-08	0.25	1.57E-01	5.48E-10	1,000,000	5.48E-04
388	2.91	1.389E-05	4.0431E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.50E-10	1,000,000	5.50E-04
389	2.78	1.389E-05	3.8592E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.25E-10	1,000,000	5.25E-04
390	2.54	1.389E-05	3.5322E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.80E-10	1,000,000	4.80E-04
391	2.26	1.389E-05	3.1376E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.27E-10	1,000,000	4.27E-04
392	1.97	1.389E-05	2.7404E-05	3.46E-04	9.49E-09	0.25	1.57E-01	3.73E-10	1,000,000	3.73E-04
393	1.71	1.389E-05	2.3751E-05	3.46E-04	8.22E-09	0.25	1.57E-01	3.23E-10	1,000,000	3.23E-04
394	1.48	1.389E-05	2.059E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
395	1.29	1.389E-05	1.7858E-05	3.46E-04	6.18E-09	0.25	1.57E-01	2.43E-10	1,000,000	2.43E-04
396	1.12	1.389E-05	1.5579E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
397	0.98	1.389E-05	1.3679E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
398	0.87	1.389E-05	1.2083E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
399	1.65	1.389E-05	2.2899E-05	3.46E-04	7.93E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
400	1.96	1.389E-05	2.7157E-05	3.46E-04	9.40E-09	0.25	1.57E-01	3.69E-10	1,000,000	3.69E-04
401	2.33	1.389E-05	3.2379E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.40E-10	1,000,000	4.40E-04
402	2.77	1.389E-05	3.8541E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.24E-10	1,000,000	5.24E-04
403	3.26	1.389E-05	4.5269E-05	3.46E-04	1.57E-08	0.25	1.57E-01	6.16E-10	1,000,000	6.16E-04
404	3.71	1.389E-05	5.1487E-05	3.46E-04	1.78E-08	0.25	1.57E-01	7.00E-10	1,000,000	7.00E-04
405	4.00	1.389E-05	5.556E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.56E-10	1,000,000	7.56E-04
406	4.02	1.389E-05	5.5892E-05	3.46E-04	1.93E-08	0.25	1.57E-01	7.60E-10	1,000,000	7.60E-04
407	3.76	1.389E-05	5.2272E-05	3.46E-04	1.81E-08	0.25	1.57E-01	7.11E-10	1,000,000	7.11E-04
408	3.33	1.389E-05	4.6247E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.29E-10	1,000,000	6.29E-04
409	2.84	1.389E-05	3.9482E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.37E-10	1,000,000	5.37E-04
410	2.39	1.389E-05	3.3167E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.51E-10	1,000,000	4.51E-04
411	2.01	1.389E-05	2.7871E-05	3.46E-04	9.65E-09	0.25	1.57E-01	3.79E-10	1,000,000	3.79E-04
412	1.70	1.389E-05	2.3558E-05	3.46E-04	8.15E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
413	1.44	1.389E-05	2.0024E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
414	1.24	1.389E-05	1.7188E-05	3.46E-04	5.95E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
415	1.07	1.389E-05	1.4884E-05	3.46E-04	5.15E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	0.93	1.389E-05	1.2976E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
417	1.85	1.389E-05	2.5749E-05	3.46E-04	8.91E-09	0.25	1.57E-01	3.50E-10	1,000,000	3.50E-04
418	2.26	1.389E-05	3.1434E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.27E-10	1,000,000	4.27E-04
419	2.80	1.389E-05	3.8931E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.29E-10	1,000,000	5.29E-04
420	3.50	1.389E-05	4.8666E-05	3.46E-04	1.68E-08	0.25	1.57E-01	6.62E-10	1,000,000	6.62E-04
421	4.37	1.389E-05	6.0679E-05	3.46E-04	2.10E-08	0.25	1.57E-01	8.25E-10	1,000,000	8.25E-04
422	5.30	1.389E-05	7.3627E-05	3.46E-04	2.55E-08	0.25	1.57E-01	1.00E-09	1,000,000	1.00E-03
423	6.00	1.389E-05	8.3278E-05	3.46E-04	2.88E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
424	6.06	1.389E-05	8.4147E-05	3.46E-04	2.91E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
425	5.44	1.389E-05	7.5505E-05	3.46E-04	2.61E-08	0.25	1.57E-01	1.03E-09	1,000,000	1.03E-03
426	4.52	1.389E-05	6.284E-05	3.46E-04	2.18E-08	0.25	1.57E-01	8.55E-10	1,000,000	8.55E-04
427	3.63	1.389E-05	5.046E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.86E-10	1,000,000	6.86E-04
428	2.91	1.389E-05	4.0441E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.50E-10	1,000,000	5.50E-04
429	2.36	1.389E-05	3.2718E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.45E-10	1,000,000	4.45E-04
430	1.93	1.389E-05	2.6826E-05	3.46E-04	9.29E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
431	1.61	1.389E-05	2.2335E-05	3.46E-04	7.73E-09	0.25	1.57E-01	3.04E-10	1,000,000	3.04E-04
432	1.36	1.389E-05	1.8864E-05	3.46E-04	6.53E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
433	1.16	1.389E-05	1.6176E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
434	1.01	1.389E-05	1.3974E-05	3.46E-04	4.84E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
435	2.05	1.389E-05	2.8497E-05	3.46E-04	9.86E-09	0.25	1.57E-01	3.88E-10	1,000,000	3.88E-04
436	2.58	1.389E-05	3.585E-05	3.46E-04	1.24E-08	0.25	1.57E-01	4.88E-10	1,000,000	4.88E-04
437	3.34	1.389E-05	4.6345E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.30E-10	1,000,000	6.30E-04
438	4.43	1.389E-05	6.1574E-05	3.46E-04	2.13E-08	0.25	1.57E-01	8.37E-10	1,000,000	8.37E-04
439	6.03	1.389E-05	8.3742E-05	3.46E-04	2.90E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
440	8.16	1.389E-05	0.00011338	3.46E-04	3.92E-08	0.25	1.57E-01	1.54E-09	1,000,000	1.54E-03
441	10.19	1.389E-05	0.00014154	3.46E-04	4.90E-08	0.25	1.57E-01	1.92E-09	1,000,000	1.92E-03
442	10.43	1.389E-05	0.00014484	3.46E-04	5.01E-08	0.25	1.57E-01	1.97E-09	1,000,000	1.97E-03
443	8.60	1.389E-05	0.00011944	3.46E-04	4.13E-08	0.25	1.57E-01	1.62E-09	1,000,000	1.62E-03
444	6.40	1.389E-05	8.8931E-05	3.46E-04	3.08E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
445	4.71	1.389E-05	6.549E-05	3.46E-04	2.27E-08	0.25	1.57E-01	8.91E-10	1,000,000	8.91E-04
446	3.55	1.389E-05	4.9359E-05	3.46E-04	1.71E-08	0.25	1.57E-01	6.71E-10	1,000,000	6.71E-04
447	2.76	1.389E-05	3.8279E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.21E-10	1,000,000	5.21E-04
448	2.19	1.389E-05	3.0429E-05	3.46E-04	1.05E-08	0.25	1.57E-01	4.14E-10	1,000,000	4.14E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.79	1.389E-05	2.4822E-05	3.46E-04	8.59E-09	0.25	1.57E-01	3.38E-10	1,000,000	3.38E-04
450	1.49	1.389E-05	2.0663E-05	3.46E-04	7.15E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
451	1.25	1.389E-05	1.7412E-05	3.46E-04	6.03E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
452	1.08	1.389E-05	1.4943E-05	3.46E-04	5.17E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
453	2.22	1.389E-05	3.0812E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.19E-10	1,000,000	4.19E-04
454	2.86	1.389E-05	3.9792E-05	3.46E-04	1.38E-08	0.25	1.57E-01	5.41E-10	1,000,000	5.41E-04
455	3.86	1.389E-05	5.3604E-05	3.46E-04	1.86E-08	0.25	1.57E-01	7.29E-10	1,000,000	7.29E-04
456	5.48	1.389E-05	7.6166E-05	3.46E-04	2.64E-08	0.25	1.57E-01	1.04E-09	1,000,000	1.04E-03
457	8.34	1.389E-05	0.00011578	3.46E-04	4.01E-08	0.25	1.57E-01	1.57E-09	1,000,000	1.57E-03
458	13.63	1.389E-05	0.0001893	3.46E-04	6.55E-08	0.25	1.57E-01	2.57E-09	1,000,000	2.57E-03
459	22.07	1.389E-05	0.00030649	3.46E-04	1.06E-07	0.25	1.57E-01	4.17E-09	1,000,000	4.17E-03
460	23.58	1.389E-05	0.00032758	3.46E-04	1.13E-07	0.25	1.57E-01	4.45E-09	1,000,000	4.45E-03
461	15.20	1.389E-05	0.00021116	3.46E-04	7.31E-08	0.25	1.57E-01	2.87E-09	1,000,000	2.87E-03
462	9.33	1.389E-05	0.00012962	3.46E-04	4.49E-08	0.25	1.57E-01	1.76E-09	1,000,000	1.76E-03
463	6.13	1.389E-05	8.5206E-05	3.46E-04	2.95E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
464	4.31	1.389E-05	5.9876E-05	3.46E-04	2.07E-08	0.25	1.57E-01	8.14E-10	1,000,000	8.14E-04
465	3.20	1.389E-05	4.4405E-05	3.46E-04	1.54E-08	0.25	1.57E-01	6.04E-10	1,000,000	6.04E-04
466	2.47	1.389E-05	3.4332E-05	3.46E-04	1.19E-08	0.25	1.57E-01	4.67E-10	1,000,000	4.67E-04
467	1.97	1.389E-05	2.7418E-05	3.46E-04	9.49E-09	0.25	1.57E-01	3.73E-10	1,000,000	3.73E-04
468	1.62	1.389E-05	2.244E-05	3.46E-04	7.77E-09	0.25	1.57E-01	3.05E-10	1,000,000	3.05E-04
469	1.35	1.389E-05	1.874E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
470	1.15	1.389E-05	1.5921E-05	3.46E-04	5.51E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
471	2.11	1.389E-05	2.924E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
472	2.90	1.389E-05	4.0321E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.48E-10	1,000,000	5.48E-04
473	4.24	1.389E-05	5.8891E-05	3.46E-04	2.04E-08	0.25	1.57E-01	8.01E-10	1,000,000	8.01E-04
474	6.34	1.389E-05	8.8052E-05	3.46E-04	3.05E-08	0.25	1.57E-01	1.20E-09	1,000,000	1.20E-03
475	10.67	1.389E-05	0.0001482	3.46E-04	5.13E-08	0.25	1.57E-01	2.02E-09	1,000,000	2.02E-03
476	2.75	1.389E-05	3.8162E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.19E-10	1,000,000	5.19E-04
477	2.15	1.389E-05	2.9834E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.06E-10	1,000,000	4.06E-04
478	1.74	1.389E-05	2.4186E-05	3.46E-04	8.37E-09	0.25	1.57E-01	3.29E-10	1,000,000	3.29E-04
479	1.44	1.389E-05	2.0006E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
480	1.21	1.389E-05	1.6842E-05	3.46E-04	5.83E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
481	1.96	1.389E-05	2.722E-05	3.46E-04	9.42E-09	0.25	1.57E-01	3.70E-10	1,000,000	3.70E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	2.72	1.389E-05	3.78E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.14E-10	1,000,000	5.14E-04
483	3.90	1.389E-05	5.4234E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.38E-10	1,000,000	7.38E-04
484	6.13	1.389E-05	8.5153E-05	3.46E-04	2.95E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
485	11.49	1.389E-05	0.00015956	3.46E-04	5.52E-08	0.25	1.57E-01	2.17E-09	1,000,000	2.17E-03
486	2.95	1.389E-05	4.0966E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.57E-10	1,000,000	5.57E-04
487	2.29	1.389E-05	3.183E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.33E-10	1,000,000	4.33E-04
488	1.84	1.389E-05	2.5494E-05	3.46E-04	8.83E-09	0.25	1.57E-01	3.47E-10	1,000,000	3.47E-04
489	1.51	1.389E-05	2.0984E-05	3.46E-04	7.26E-09	0.25	1.57E-01	2.85E-10	1,000,000	2.85E-04
490	1.27	1.389E-05	1.7597E-05	3.46E-04	6.09E-09	0.25	1.57E-01	2.39E-10	1,000,000	2.39E-04
491	1.74	1.389E-05	2.4162E-05	3.46E-04	8.36E-09	0.25	1.57E-01	3.29E-10	1,000,000	3.29E-04
492	2.38	1.389E-05	3.308E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.50E-10	1,000,000	4.50E-04
493	3.32	1.389E-05	4.6077E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.27E-10	1,000,000	6.27E-04
494	5.05	1.389E-05	7.0159E-05	3.46E-04	2.43E-08	0.25	1.57E-01	9.54E-10	1,000,000	9.54E-04
495	8.73	1.389E-05	0.00012124	3.46E-04	4.20E-08	0.25	1.57E-01	1.65E-09	1,000,000	1.65E-03
496	65.57	1.389E-05	0.00091082	3.46E-04	3.15E-07	0.25	1.57E-01	1.24E-08	1,000,000	1.24E-02
497	28.00	1.389E-05	0.00038888	3.46E-04	1.35E-07	0.25	1.57E-01	5.29E-09	1,000,000	5.29E-03
498	4.00	1.389E-05	5.5576E-05	3.46E-04	1.92E-08	0.25	1.57E-01	7.56E-10	1,000,000	7.56E-04
499	3.01	1.389E-05	4.1764E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.68E-10	1,000,000	5.68E-04
500	2.34	1.389E-05	3.251E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.42E-10	1,000,000	4.42E-04
501	1.88	1.389E-05	2.611E-05	3.46E-04	9.04E-09	0.25	1.57E-01	3.55E-10	1,000,000	3.55E-04
502	1.55	1.389E-05	2.147E-05	3.46E-04	7.43E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
503	1.30	1.389E-05	1.8008E-05	3.46E-04	6.23E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
504	1.47	1.389E-05	2.0405E-05	3.46E-04	7.06E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
505	1.89	1.389E-05	2.6258E-05	3.46E-04	9.09E-09	0.25	1.57E-01	3.57E-10	1,000,000	3.57E-04
506	2.72	1.389E-05	3.7736E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.13E-10	1,000,000	5.13E-04
507	3.81	1.389E-05	5.29E-05	3.46E-04	1.83E-08	0.25	1.57E-01	7.19E-10	1,000,000	7.19E-04
508	6.09	1.389E-05	8.4654E-05	3.46E-04	2.93E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
509	9.64	1.389E-05	0.00013395	3.46E-04	4.64E-08	0.25	1.57E-01	1.82E-09	1,000,000	1.82E-03
510	15.16	1.389E-05	0.00021056	3.46E-04	7.29E-08	0.25	1.57E-01	2.86E-09	1,000,000	2.86E-03
511	17.38	1.389E-05	0.00024144	3.46E-04	8.36E-08	0.25	1.57E-01	3.28E-09	1,000,000	3.28E-03
512	14.04	1.389E-05	0.000195	3.46E-04	6.75E-08	0.25	1.57E-01	2.65E-09	1,000,000	2.65E-03
513	9.78	1.389E-05	0.0001358	3.46E-04	4.70E-08	0.25	1.57E-01	1.85E-09	1,000,000	1.85E-03
514	6.83	1.389E-05	9.4928E-05	3.46E-04	3.29E-08	0.25	1.57E-01	1.29E-09	1,000,000	1.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	4.93	1.389E-05	6.8534E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.32E-10	1,000,000	9.32E-04
516	3.69	1.389E-05	5.1288E-05	3.46E-04	1.78E-08	0.25	1.57E-01	6.97E-10	1,000,000	6.97E-04
517	2.85	1.389E-05	3.9644E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.39E-10	1,000,000	5.39E-04
518	2.27	1.389E-05	3.1513E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.29E-10	1,000,000	4.29E-04
519	1.85	1.389E-05	2.5643E-05	3.46E-04	8.88E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
520	1.53	1.389E-05	2.1281E-05	3.46E-04	7.37E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
521	1.29	1.389E-05	1.7962E-05	3.46E-04	6.22E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
522	1.20	1.389E-05	1.6719E-05	3.46E-04	5.79E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
523	1.56	1.389E-05	2.1662E-05	3.46E-04	7.50E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
524	2.06	1.389E-05	2.866E-05	3.46E-04	9.92E-09	0.25	1.57E-01	3.90E-10	1,000,000	3.90E-04
525	2.77	1.389E-05	3.8449E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.23E-10	1,000,000	5.23E-04
526	3.64	1.389E-05	5.0626E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.88E-10	1,000,000	6.88E-04
527	5.46	1.389E-05	7.5885E-05	3.46E-04	2.63E-08	0.25	1.57E-01	1.03E-09	1,000,000	1.03E-03
528	6.99	1.389E-05	9.7156E-05	3.46E-04	3.36E-08	0.25	1.57E-01	1.32E-09	1,000,000	1.32E-03
529	7.74	1.389E-05	0.00010746	3.46E-04	3.72E-08	0.25	1.57E-01	1.46E-09	1,000,000	1.46E-03
530	7.55	1.389E-05	0.00010494	3.46E-04	3.63E-08	0.25	1.57E-01	1.43E-09	1,000,000	1.43E-03
531	6.40	1.389E-05	8.8873E-05	3.46E-04	3.08E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
532	5.05	1.389E-05	7.0197E-05	3.46E-04	2.43E-08	0.25	1.57E-01	9.55E-10	1,000,000	9.55E-04
533	3.98	1.389E-05	5.5295E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.52E-10	1,000,000	7.52E-04
534	3.16	1.389E-05	4.3959E-05	3.46E-04	1.52E-08	0.25	1.57E-01	5.98E-10	1,000,000	5.98E-04
535	2.55	1.389E-05	3.5464E-05	3.46E-04	1.23E-08	0.25	1.57E-01	4.82E-10	1,000,000	4.82E-04
536	2.09	1.389E-05	2.9057E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
537	1.74	1.389E-05	2.4165E-05	3.46E-04	8.36E-09	0.25	1.57E-01	3.29E-10	1,000,000	3.29E-04
538	1.47	1.389E-05	2.0384E-05	3.46E-04	7.06E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
539	1.25	1.389E-05	1.7408E-05	3.46E-04	6.03E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
540	0.98	1.389E-05	1.3672E-05	3.46E-04	4.73E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
541	1.23	1.389E-05	1.7057E-05	3.46E-04	5.90E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
542	1.55	1.389E-05	2.1466E-05	3.46E-04	7.43E-09	0.25	1.57E-01	2.92E-10	1,000,000	2.92E-04
543	1.97	1.389E-05	2.7306E-05	3.46E-04	9.45E-09	0.25	1.57E-01	3.71E-10	1,000,000	3.71E-04
544	2.60	1.389E-05	3.6061E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.90E-10	1,000,000	4.90E-04
545	3.22	1.389E-05	4.467E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.07E-10	1,000,000	6.07E-04
546	3.96	1.389E-05	5.501E-05	3.46E-04	1.90E-08	0.25	1.57E-01	7.48E-10	1,000,000	7.48E-04
547	4.34	1.389E-05	6.0257E-05	3.46E-04	2.09E-08	0.25	1.57E-01	8.19E-10	1,000,000	8.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	4.43	1.389E-05	6.1602E-05	3.46E-04	2.13E-08	0.25	1.57E-01	8.38E-10	1,000,000	8.38E-04
549	4.23	1.389E-05	5.8757E-05	3.46E-04	2.03E-08	0.25	1.57E-01	7.99E-10	1,000,000	7.99E-04
550	3.75	1.389E-05	5.2035E-05	3.46E-04	1.80E-08	0.25	1.57E-01	7.08E-10	1,000,000	7.08E-04
551	3.14	1.389E-05	4.3616E-05	3.46E-04	1.51E-08	0.25	1.57E-01	5.93E-10	1,000,000	5.93E-04
552	2.62	1.389E-05	3.6417E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.95E-10	1,000,000	4.95E-04
553	2.20	1.389E-05	3.0573E-05	3.46E-04	1.06E-08	0.25	1.57E-01	4.16E-10	1,000,000	4.16E-04
554	1.86	1.389E-05	2.5852E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
555	1.59	1.389E-05	2.2045E-05	3.46E-04	7.63E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
556	1.36	1.389E-05	1.8957E-05	3.46E-04	6.56E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
557	1.18	1.389E-05	1.6442E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
558	0.81	1.389E-05	1.1204E-05	3.46E-04	3.88E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
559	0.98	1.389E-05	1.3576E-05	3.46E-04	4.70E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
560	1.15	1.389E-05	1.6022E-05	3.46E-04	5.55E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
561	1.42	1.389E-05	1.9667E-05	3.46E-04	6.81E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
562	1.68	1.389E-05	2.338E-05	3.46E-04	8.09E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
563	2.02	1.389E-05	2.8029E-05	3.46E-04	9.70E-09	0.25	1.57E-01	3.81E-10	1,000,000	3.81E-04
564	2.45	1.389E-05	3.4018E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.63E-10	1,000,000	4.63E-04
565	2.68	1.389E-05	3.7253E-05	3.46E-04	1.29E-08	0.25	1.57E-01	5.07E-10	1,000,000	5.07E-04
566	2.90	1.389E-05	4.0343E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.49E-10	1,000,000	5.49E-04
567	2.85	1.389E-05	3.9623E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.39E-10	1,000,000	5.39E-04
568	2.77	1.389E-05	3.8478E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.23E-10	1,000,000	5.23E-04
569	2.42	1.389E-05	3.3588E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.57E-10	1,000,000	4.57E-04
570	2.14	1.389E-05	2.9779E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.05E-10	1,000,000	4.05E-04
571	1.91	1.389E-05	2.6484E-05	3.46E-04	9.17E-09	0.25	1.57E-01	3.60E-10	1,000,000	3.60E-04
572	1.63	1.389E-05	2.2592E-05	3.46E-04	7.82E-09	0.25	1.57E-01	3.07E-10	1,000,000	3.07E-04
573	1.42	1.389E-05	1.9706E-05	3.46E-04	6.82E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
574	1.24	1.389E-05	1.7274E-05	3.46E-04	5.98E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
575	1.10	1.389E-05	1.5226E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.389E-05	1.2667E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.2E-03
2	1.389E-05	1.3989E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
3	1.389E-05	1.5417E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.06E-09	1,000,000	5.06E-03
4	1.389E-05	1.6905E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.55E-09	1,000,000	5.55E-03
5	1.389E-05	1.8402E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.04E-09	1,000,000	6.04E-03
6	1.389E-05	1.9806E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.51E-09	1,000,000	6.51E-03
7	1.389E-05	2.0958E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.88E-09	1,000,000	6.88E-03
8	1.389E-05	2.1737E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.14E-09	1,000,000	7.14E-03
9	1.389E-05	2.2053E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.24E-09	1,000,000	7.24E-03
10	1.389E-05	2.1816E-05	1.05E-03	2.28E-08	2.00	1.57E-01	7.17E-09	1,000,000	7.17E-03
11	1.389E-05	2.1065E-05	1.05E-03	2.20E-08	2.00	1.57E-01	6.92E-09	1,000,000	6.92E-03
12	1.389E-05	1.9922E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.54E-09	1,000,000	6.54E-03
13	1.389E-05	1.8529E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.09E-09	1,000,000	6.09E-03
14	1.389E-05	1.7025E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.59E-09	1,000,000	5.59E-03
15	1.389E-05	1.5518E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
16	1.389E-05	1.4064E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
17	1.389E-05	1.2743E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
18	1.389E-05	1.1537E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
19	1.389E-05	1.0444E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
20	1.389E-05	9.491E-06	1.05E-03	9.92E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
21	1.389E-05	8.6422E-06	1.05E-03	9.03E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
22	1.389E-05	7.8816E-06	1.05E-03	8.24E-09	2.00	1.57E-01	2.59E-09	1,000,000	2.59E-03
23	1.389E-05	1.4054E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.62E-09	1,000,000	4.62E-03
24	1.389E-05	1.5747E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.17E-09	1,000,000	5.17E-03
25	1.389E-05	1.7635E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.79E-09	1,000,000	5.79E-03
26	1.389E-05	1.9687E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.47E-09	1,000,000	6.47E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.389E-05	2.1816E-05	1.05E-03	2.28E-08	2.00	1.57E-01	7.17E-09	1,000,000	7.17E-03
28	1.389E-05	2.3911E-05	1.05E-03	2.50E-08	2.00	1.57E-01	7.85E-09	1,000,000	7.85E-03
29	1.389E-05	2.5679E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.44E-09	1,000,000	8.44E-03
30	1.389E-05	2.695E-05	1.05E-03	2.82E-08	2.00	1.57E-01	8.85E-09	1,000,000	8.85E-03
31	1.389E-05	2.743E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.01E-09	1,000,000	9.01E-03
32	1.389E-05	2.7041E-05	1.05E-03	2.83E-08	2.00	1.57E-01	8.88E-09	1,000,000	8.88E-03
33	1.389E-05	2.5835E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
34	1.389E-05	2.41E-05	1.05E-03	2.52E-08	2.00	1.57E-01	7.92E-09	1,000,000	7.92E-03
35	1.389E-05	2.2052E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.24E-09	1,000,000	7.24E-03
36	1.389E-05	1.9923E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.54E-09	1,000,000	6.54E-03
37	1.389E-05	1.7799E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.85E-09	1,000,000	5.85E-03
38	1.389E-05	1.5885E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.22E-09	1,000,000	5.22E-03
39	1.389E-05	1.4202E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
40	1.389E-05	1.2699E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.17E-09	1,000,000	4.17E-03
41	1.389E-05	1.1373E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
42	1.389E-05	1.0218E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
43	1.389E-05	9.2136E-06	1.05E-03	9.63E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
44	1.389E-05	8.3819E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
45	1.389E-05	1.5573E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.12E-09	1,000,000	5.12E-03
46	1.389E-05	1.7736E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.83E-09	1,000,000	5.83E-03
47	1.389E-05	2.025E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.65E-09	1,000,000	6.65E-03
48	1.389E-05	2.3109E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.59E-09	1,000,000	7.59E-03
49	1.389E-05	2.6227E-05	1.05E-03	2.74E-08	2.00	1.57E-01	8.62E-09	1,000,000	8.62E-03
50	1.389E-05	2.9414E-05	1.05E-03	3.07E-08	2.00	1.57E-01	9.66E-09	1,000,000	9.66E-03
51	1.389E-05	3.2315E-05	1.05E-03	3.38E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
52	1.389E-05	3.4427E-05	1.05E-03	3.60E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.389E-05	3.5296E-05	1.05E-03	3.69E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
54	1.389E-05	3.4603E-05	1.05E-03	3.62E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
55	1.389E-05	3.2595E-05	1.05E-03	3.41E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
56	1.389E-05	2.9754E-05	1.05E-03	3.11E-08	2.00	1.57E-01	9.77E-09	1,000,000	9.77E-03
57	1.389E-05	2.6576E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.73E-09	1,000,000	8.73E-03
58	1.389E-05	2.3502E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.72E-09	1,000,000	7.72E-03
59	1.389E-05	2.0541E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.75E-09	1,000,000	6.75E-03
60	1.389E-05	1.7983E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
61	1.389E-05	1.5822E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.20E-09	1,000,000	5.20E-03
62	1.389E-05	1.3946E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
63	1.389E-05	1.2352E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.06E-09	1,000,000	4.06E-03
64	1.389E-05	1.1003E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
65	1.389E-05	9.8641E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
66	1.389E-05	8.8928E-06	1.05E-03	9.29E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
67	1.389E-05	1.7189E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.65E-09	1,000,000	5.65E-03
68	1.389E-05	1.9933E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.55E-09	1,000,000	6.55E-03
69	1.389E-05	2.327E-05	1.05E-03	2.43E-08	2.00	1.57E-01	7.64E-09	1,000,000	7.64E-03
70	1.389E-05	2.7262E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.96E-09	1,000,000	8.96E-03
71	1.389E-05	3.1914E-05	1.05E-03	3.34E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
72	1.389E-05	3.7018E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
73	1.389E-05	4.2023E-05	1.05E-03	4.39E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
74	1.389E-05	4.5863E-05	1.05E-03	4.79E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
75	1.389E-05	4.7467E-05	1.05E-03	4.96E-08	2.00	1.57E-01	1.56E-08	1,000,000	1.56E-02
76	1.389E-05	4.6243E-05	1.05E-03	4.83E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
77	1.389E-05	4.2626E-05	1.05E-03	4.46E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
78	1.389E-05	3.7774E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
79	1.389E-05	3.259E-05	1.05E-03	3.41E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
80	1.389E-05	2.7861E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.15E-09	1,000,000	9.15E-03
81	1.389E-05	2.378E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.81E-09	1,000,000	7.81E-03
82	1.389E-05	2.0421E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.71E-09	1,000,000	6.71E-03
83	1.389E-05	1.7598E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.78E-09	1,000,000	5.78E-03
84	1.389E-05	1.5299E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.03E-09	1,000,000	5.03E-03
85	1.389E-05	1.334E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.389E-05	1.1811E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
87	1.389E-05	1.0501E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
88	1.389E-05	9.4102E-06	1.05E-03	9.84E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
89	1.389E-05	1.8835E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.19E-09	1,000,000	6.19E-03
90	1.389E-05	2.2262E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.31E-09	1,000,000	7.31E-03
91	1.389E-05	2.663E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.75E-09	1,000,000	8.75E-03
92	1.389E-05	3.2202E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
93	1.389E-05	3.9214E-05	1.05E-03	4.10E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
94	1.389E-05	4.7628E-05	1.05E-03	4.98E-08	2.00	1.57E-01	1.56E-08	1,000,000	1.56E-02
95	1.389E-05	5.6812E-05	1.05E-03	5.94E-08	2.00	1.57E-01	1.87E-08	1,000,000	1.87E-02
96	1.389E-05	6.4731E-05	1.05E-03	6.77E-08	2.00	1.57E-01	2.13E-08	1,000,000	2.13E-02
97	1.389E-05	6.8363E-05	1.05E-03	7.15E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02
98	1.389E-05	6.5682E-05	1.05E-03	6.87E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
99	1.389E-05	5.8126E-05	1.05E-03	6.08E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
100	1.389E-05	4.8984E-05	1.05E-03	5.12E-08	2.00	1.57E-01	1.61E-08	1,000,000	1.61E-02
101	1.389E-05	4.0383E-05	1.05E-03	4.22E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
102	1.389E-05	3.3208E-05	1.05E-03	3.47E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
103	1.389E-05	2.7526E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.04E-09	1,000,000	9.04E-03
104	1.389E-05	2.3026E-05	1.05E-03	2.41E-08	2.00	1.57E-01	7.56E-09	1,000,000	7.56E-03
105	1.389E-05	1.9519E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.41E-09	1,000,000	6.41E-03
106	1.389E-05	1.6715E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
107	1.389E-05	1.4455E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.75E-09	1,000,000	4.75E-03
108	1.389E-05	1.2637E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.15E-09	1,000,000	4.15E-03
109	1.389E-05	1.1148E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
110	1.389E-05	9.9342E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
111	1.389E-05	2.0394E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.70E-09	1,000,000	6.70E-03
112	1.389E-05	2.4577E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.07E-09	1,000,000	8.07E-03
113	1.389E-05	3.0155E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.91E-09	1,000,000	9.91E-03
114	1.389E-05	3.7755E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
115	1.389E-05	4.8223E-05	1.05E-03	5.04E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
116	1.389E-05	6.242E-05	1.05E-03	6.52E-08	2.00	1.57E-01	2.05E-08	1,000,000	2.05E-02
117	1.389E-05	8.0592E-05	1.05E-03	8.42E-08	2.00	1.57E-01	2.65E-08	1,000,000	2.65E-02
118	1.389E-05	9.9533E-05	1.05E-03	1.04E-07	2.00	1.57E-01	3.27E-08	1,000,000	3.27E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.389E-05	0.00010947	1.05E-03	1.14E-07	2.00	1.57E-01	3.60E-08	1,000,000	3.60E-02
120	1.389E-05	0.00010232	1.05E-03	1.07E-07	2.00	1.57E-01	3.36E-08	1,000,000	3.36E-02
121	1.389E-05	8.4169E-05	1.05E-03	8.80E-08	2.00	1.57E-01	2.76E-08	1,000,000	2.76E-02
122	1.389E-05	6.5363E-05	1.05E-03	6.83E-08	2.00	1.57E-01	2.15E-08	1,000,000	2.15E-02
123	1.389E-05	5.0537E-05	1.05E-03	5.28E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
124	1.389E-05	3.9652E-05	1.05E-03	4.14E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
125	1.389E-05	3.1754E-05	1.05E-03	3.32E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
126	1.389E-05	2.5894E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.51E-09	1,000,000	8.51E-03
127	1.389E-05	2.1539E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.08E-09	1,000,000	7.08E-03
128	1.389E-05	1.8196E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.98E-09	1,000,000	5.98E-03
129	1.389E-05	1.5559E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.11E-09	1,000,000	5.11E-03
130	1.389E-05	1.3494E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
131	1.389E-05	1.1816E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
132	1.389E-05	1.0462E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.44E-09	1,000,000	3.44E-03
133	1.389E-05	2.1723E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.14E-09	1,000,000	7.14E-03
134	1.389E-05	2.6617E-05	1.05E-03	2.78E-08	2.00	1.57E-01	8.74E-09	1,000,000	8.74E-03
135	1.389E-05	3.3448E-05	1.05E-03	3.50E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
136	1.389E-05	4.3387E-05	1.05E-03	4.53E-08	2.00	1.57E-01	1.43E-08	1,000,000	1.43E-02
137	1.389E-05	5.8418E-05	1.05E-03	6.11E-08	2.00	1.57E-01	1.92E-08	1,000,000	1.92E-02
138	1.389E-05	8.2053E-05	1.05E-03	8.58E-08	2.00	1.57E-01	2.70E-08	1,000,000	2.70E-02
139	1.389E-05	0.00011973	1.05E-03	1.25E-07	2.00	1.57E-01	3.93E-08	1,000,000	3.93E-02
140	1.389E-05	0.00017402	1.05E-03	1.82E-07	2.00	1.57E-01	5.72E-08	1,000,000	5.72E-02
141	1.389E-05	0.00021307	1.05E-03	2.23E-07	2.00	1.57E-01	7.00E-08	1,000,000	7.00E-02
142	1.389E-05	0.00018493	1.05E-03	1.93E-07	2.00	1.57E-01	6.07E-08	1,000,000	6.07E-02
143	1.389E-05	0.00012969	1.05E-03	1.36E-07	2.00	1.57E-01	4.26E-08	1,000,000	4.26E-02
144	1.389E-05	8.8947E-05	1.05E-03	9.30E-08	2.00	1.57E-01	2.92E-08	1,000,000	2.92E-02
145	1.389E-05	6.3369E-05	1.05E-03	6.62E-08	2.00	1.57E-01	2.08E-08	1,000,000	2.08E-02
146	1.389E-05	4.7124E-05	1.05E-03	4.93E-08	2.00	1.57E-01	1.55E-08	1,000,000	1.55E-02
147	1.389E-05	3.6421E-05	1.05E-03	3.81E-08	2.00	1.57E-01	1.20E-08	1,000,000	1.20E-02
148	1.389E-05	2.8974E-05	1.05E-03	3.03E-08	2.00	1.57E-01	9.52E-09	1,000,000	9.52E-03
149	1.389E-05	2.368E-05	1.05E-03	2.47E-08	2.00	1.57E-01	7.78E-09	1,000,000	7.78E-03
150	1.389E-05	1.9695E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.47E-09	1,000,000	6.47E-03
151	1.389E-05	1.6669E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.48E-09	1,000,000	5.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.389E-05	1.4342E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.71E-09	1,000,000	4.71E-03
153	1.389E-05	1.2483E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
154	1.389E-05	1.0985E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.61E-09	1,000,000	3.61E-03
155	1.389E-05	2.0033E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.58E-09	1,000,000	6.58E-03
156	1.389E-05	2.5769E-05	1.05E-03	2.69E-08	2.00	1.57E-01	8.46E-09	1,000,000	8.46E-03
157	1.389E-05	3.6018E-05	1.05E-03	3.76E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
158	1.389E-05	4.8026E-05	1.05E-03	5.02E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
159	1.389E-05	6.7778E-05	1.05E-03	7.08E-08	2.00	1.57E-01	2.23E-08	1,000,000	2.23E-02
160	1.389E-05	0.0001035	1.05E-03	1.08E-07	2.00	1.57E-01	3.40E-08	1,000,000	3.40E-02
161	1.389E-05	0.00017725	1.05E-03	1.85E-07	2.00	1.57E-01	5.82E-08	1,000,000	5.82E-02
162	1.389E-05	0.00035707	1.05E-03	3.73E-07	2.00	1.57E-01	1.17E-07	1,000,000	1.17E-01
163	1.389E-05	0.00070409	1.05E-03	7.36E-07	2.00	1.57E-01	2.31E-07	1,000,000	2.31E-01
164	1.389E-05	0.00042696	1.05E-03	4.46E-07	2.00	1.57E-01	1.40E-07	1,000,000	1.40E-01
165	1.389E-05	0.00020999	1.05E-03	2.19E-07	2.00	1.57E-01	6.90E-08	1,000,000	6.90E-02
166	1.389E-05	0.00012127	1.05E-03	1.27E-07	2.00	1.57E-01	3.98E-08	1,000,000	3.98E-02
167	1.389E-05	7.8759E-05	1.05E-03	8.23E-08	2.00	1.57E-01	2.59E-08	1,000,000	2.59E-02
168	1.389E-05	5.5477E-05	1.05E-03	5.80E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
169	1.389E-05	4.1406E-05	1.05E-03	4.33E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
170	1.389E-05	3.2144E-05	1.05E-03	3.36E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
171	1.389E-05	2.5742E-05	1.05E-03	2.69E-08	2.00	1.57E-01	8.46E-09	1,000,000	8.46E-03
172	1.389E-05	2.1209E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.97E-09	1,000,000	6.97E-03
173	1.389E-05	1.7785E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.84E-09	1,000,000	5.84E-03
174	1.389E-05	1.5174E-05	1.05E-03	1.59E-08	2.00	1.57E-01	4.98E-09	1,000,000	4.98E-03
175	1.389E-05	1.3141E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.32E-09	1,000,000	4.32E-03
176	1.389E-05	1.1506E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
177	1.389E-05	1.9295E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.34E-09	1,000,000	6.34E-03
178	1.389E-05	2.4986E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.21E-09	1,000,000	8.21E-03
179	1.389E-05	3.4825E-05	1.05E-03	3.64E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
180	1.389E-05	4.9827E-05	1.05E-03	5.21E-08	2.00	1.57E-01	1.64E-08	1,000,000	1.64E-02
181	1.389E-05	7.3222E-05	1.05E-03	7.65E-08	2.00	1.57E-01	2.41E-08	1,000,000	2.41E-02
182	1.389E-05	0.00011754	1.05E-03	1.23E-07	2.00	1.57E-01	3.86E-08	1,000,000	3.86E-02
183	1.389E-05	0.00022603	1.05E-03	2.36E-07	2.00	1.57E-01	7.42E-08	1,000,000	7.42E-02
184	1.389E-05	4.5834E-05	1.05E-03	4.79E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.389E-05	3.4874E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
186	1.389E-05	2.7698E-05	1.05E-03	2.90E-08	2.00	1.57E-01	9.10E-09	1,000,000	9.10E-03
187	1.389E-05	2.2548E-05	1.05E-03	2.36E-08	2.00	1.57E-01	7.41E-09	1,000,000	7.41E-03
188	1.389E-05	1.8762E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
189	1.389E-05	1.592E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
190	1.389E-05	1.3713E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
191	1.389E-05	1.1955E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.93E-09	1,000,000	3.93E-03
192	1.389E-05	1.7646E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.80E-09	1,000,000	5.80E-03
193	1.389E-05	2.2686E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.45E-09	1,000,000	7.45E-03
194	1.389E-05	3.0725E-05	1.05E-03	3.21E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
195	1.389E-05	4.2987E-05	1.05E-03	4.49E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
196	1.389E-05	6.5648E-05	1.05E-03	6.86E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
197	1.389E-05	0.00010663	1.05E-03	1.11E-07	2.00	1.57E-01	3.50E-08	1,000,000	3.50E-02
198	1.389E-05	0.00021156	1.05E-03	2.21E-07	2.00	1.57E-01	6.95E-08	1,000,000	6.95E-02
199	1.389E-05	0.00091296	1.05E-03	9.54E-07	2.00	1.57E-01	3.00E-07	1,000,000	3.00E-01
200	1.389E-05	4.8144E-05	1.05E-03	5.03E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
201	1.389E-05	3.658E-05	1.05E-03	3.82E-08	2.00	1.57E-01	1.20E-08	1,000,000	1.20E-02
202	1.389E-05	2.8827E-05	1.05E-03	3.01E-08	2.00	1.57E-01	9.47E-09	1,000,000	9.47E-03
203	1.389E-05	2.3426E-05	1.05E-03	2.45E-08	2.00	1.57E-01	7.70E-09	1,000,000	7.70E-03
204	1.389E-05	1.945E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.39E-09	1,000,000	6.39E-03
205	1.389E-05	1.6454E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.41E-09	1,000,000	5.41E-03
206	1.389E-05	1.4134E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
207	1.389E-05	1.2305E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
208	1.389E-05	1.5512E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
209	1.389E-05	1.9808E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.51E-09	1,000,000	6.51E-03
210	1.389E-05	2.5151E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.26E-09	1,000,000	8.26E-03
211	1.389E-05	3.5464E-05	1.05E-03	3.71E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
212	1.389E-05	5.072E-05	1.05E-03	5.30E-08	2.00	1.57E-01	1.67E-08	1,000,000	1.67E-02
213	1.389E-05	7.9065E-05	1.05E-03	8.26E-08	2.00	1.57E-01	2.60E-08	1,000,000	2.60E-02
214	1.389E-05	0.00013673	1.05E-03	1.43E-07	2.00	1.57E-01	4.49E-08	1,000,000	4.49E-02
215	1.389E-05	0.00026289	1.05E-03	2.75E-07	2.00	1.57E-01	8.64E-08	1,000,000	8.64E-02
216	1.389E-05	0.00044065	1.05E-03	4.61E-07	2.00	1.57E-01	1.45E-07	1,000,000	1.45E-01
217	1.389E-05	0.00035299	1.05E-03	3.69E-07	2.00	1.57E-01	1.16E-07	1,000,000	1.16E-01

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.389E-05	6.2983E-05	1.05E-03	6.58E-08	2.00	1.57E-01	2.07E-08	1,000,000	2.07E-02
219	1.389E-05	4.6862E-05	1.05E-03	4.90E-08	2.00	1.57E-01	1.54E-08	1,000,000	1.54E-02
220	1.389E-05	3.6226E-05	1.05E-03	3.79E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
221	1.389E-05	2.8869E-05	1.05E-03	3.02E-08	2.00	1.57E-01	9.48E-09	1,000,000	9.48E-03
222	1.389E-05	2.3576E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.74E-09	1,000,000	7.74E-03
223	1.389E-05	1.9647E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.45E-09	1,000,000	6.45E-03
224	1.389E-05	1.6652E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.47E-09	1,000,000	5.47E-03
225	1.389E-05	1.4318E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
226	1.389E-05	1.247E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
227	1.389E-05	1.3342E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03
228	1.389E-05	1.6499E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
229	1.389E-05	2.0877E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.86E-09	1,000,000	6.86E-03
230	1.389E-05	2.7638E-05	1.05E-03	2.89E-08	2.00	1.57E-01	9.08E-09	1,000,000	9.08E-03
231	1.389E-05	3.8072E-05	1.05E-03	3.98E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
232	1.389E-05	5.2913E-05	1.05E-03	5.53E-08	2.00	1.57E-01	1.74E-08	1,000,000	1.74E-02
233	1.389E-05	8.24E-05	1.05E-03	8.61E-08	2.00	1.57E-01	2.71E-08	1,000,000	2.71E-02
234	1.389E-05	0.00011857	1.05E-03	1.24E-07	2.00	1.57E-01	3.89E-08	1,000,000	3.89E-02
235	1.389E-05	0.0001547	1.05E-03	1.62E-07	2.00	1.57E-01	5.08E-08	1,000,000	5.08E-02
236	1.389E-05	0.00015293	1.05E-03	1.60E-07	2.00	1.57E-01	5.02E-08	1,000,000	5.02E-02
237	1.389E-05	0.00012586	1.05E-03	1.32E-07	2.00	1.57E-01	4.13E-08	1,000,000	4.13E-02
238	1.389E-05	9.4679E-05	1.05E-03	9.90E-08	2.00	1.57E-01	3.11E-08	1,000,000	3.11E-02
239	1.389E-05	7.1067E-05	1.05E-03	7.43E-08	2.00	1.57E-01	2.33E-08	1,000,000	2.33E-02
240	1.389E-05	5.4249E-05	1.05E-03	5.67E-08	2.00	1.57E-01	1.78E-08	1,000,000	1.78E-02
241	1.389E-05	4.2343E-05	1.05E-03	4.43E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
242	1.389E-05	3.3799E-05	1.05E-03	3.53E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
243	1.389E-05	2.7529E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.04E-09	1,000,000	9.04E-03
244	1.389E-05	2.2827E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.50E-09	1,000,000	7.50E-03
245	1.389E-05	1.9234E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.32E-09	1,000,000	6.32E-03
246	1.389E-05	1.6432E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
247	1.389E-05	1.421E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
248	1.389E-05	1.2426E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.08E-09	1,000,000	4.08E-03
249	1.389E-05	1.1469E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
250	1.389E-05	1.3778E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.389E-05	1.6821E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.53E-09	1,000,000	5.53E-03
252	1.389E-05	2.1546E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.08E-09	1,000,000	7.08E-03
253	1.389E-05	2.7754E-05	1.05E-03	2.90E-08	2.00	1.57E-01	9.12E-09	1,000,000	9.12E-03
254	1.389E-05	3.8131E-05	1.05E-03	3.99E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
255	1.389E-05	5.013E-05	1.05E-03	5.24E-08	2.00	1.57E-01	1.65E-08	1,000,000	1.65E-02
256	1.389E-05	6.7776E-05	1.05E-03	7.08E-08	2.00	1.57E-01	2.23E-08	1,000,000	2.23E-02
257	1.389E-05	7.7393E-05	1.05E-03	8.09E-08	2.00	1.57E-01	2.54E-08	1,000,000	2.54E-02
258	1.389E-05	7.8529E-05	1.05E-03	8.21E-08	2.00	1.57E-01	2.58E-08	1,000,000	2.58E-02
259	1.389E-05	7.6468E-05	1.05E-03	7.99E-08	2.00	1.57E-01	2.51E-08	1,000,000	2.51E-02
260	1.389E-05	6.6596E-05	1.05E-03	6.96E-08	2.00	1.57E-01	2.19E-08	1,000,000	2.19E-02
261	1.389E-05	5.4417E-05	1.05E-03	5.69E-08	2.00	1.57E-01	1.79E-08	1,000,000	1.79E-02
262	1.389E-05	4.4332E-05	1.05E-03	4.63E-08	2.00	1.57E-01	1.46E-08	1,000,000	1.46E-02
263	1.389E-05	3.6346E-05	1.05E-03	3.80E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
264	1.389E-05	3.0098E-05	1.05E-03	3.15E-08	2.00	1.57E-01	9.89E-09	1,000,000	9.89E-03
265	1.389E-05	2.5203E-05	1.05E-03	2.63E-08	2.00	1.57E-01	8.28E-09	1,000,000	8.28E-03
266	1.389E-05	2.1338E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.01E-09	1,000,000	7.01E-03
267	1.389E-05	1.8269E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.00E-09	1,000,000	6.00E-03
268	1.389E-05	1.5799E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.19E-09	1,000,000	5.19E-03
269	1.389E-05	1.3791E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
270	1.389E-05	1.2145E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.99E-09	1,000,000	3.99E-03
271	1.389E-05	9.5952E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03
272	1.389E-05	1.1245E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
273	1.389E-05	1.3524E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
274	1.389E-05	1.6449E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
275	1.389E-05	2.0316E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.67E-09	1,000,000	6.67E-03
276	1.389E-05	2.5845E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
277	1.389E-05	3.2369E-05	1.05E-03	3.38E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
278	1.389E-05	3.8628E-05	1.05E-03	4.04E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
279	1.389E-05	4.5055E-05	1.05E-03	4.71E-08	2.00	1.57E-01	1.48E-08	1,000,000	1.48E-02
280	1.389E-05	4.8271E-05	1.05E-03	5.05E-08	2.00	1.57E-01	1.59E-08	1,000,000	1.59E-02
281	1.389E-05	4.8598E-05	1.05E-03	5.08E-08	2.00	1.57E-01	1.60E-08	1,000,000	1.60E-02
282	1.389E-05	4.7065E-05	1.05E-03	4.92E-08	2.00	1.57E-01	1.55E-08	1,000,000	1.55E-02
283	1.389E-05	4.1929E-05	1.05E-03	4.38E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.389E-05	3.5701E-05	1.05E-03	3.73E-08	2.00	1.57E-01	1.17E-08	1,000,000	1.17E-02
285	1.389E-05	3.0498E-05	1.05E-03	3.19E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
286	1.389E-05	2.6103E-05	1.05E-03	2.73E-08	2.00	1.57E-01	8.57E-09	1,000,000	8.57E-03
287	1.389E-05	2.2456E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.38E-09	1,000,000	7.38E-03
288	1.389E-05	1.9442E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.39E-09	1,000,000	6.39E-03
289	1.389E-05	1.6939E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.56E-09	1,000,000	5.56E-03
290	1.389E-05	1.4861E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.88E-09	1,000,000	4.88E-03
291	1.389E-05	1.3124E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.31E-09	1,000,000	4.31E-03
292	1.389E-05	1.1664E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
293	1.389E-05	8.0784E-06	1.05E-03	8.44E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
294	1.389E-05	9.3495E-06	1.05E-03	9.77E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
295	1.389E-05	1.0899E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.58E-09	1,000,000	3.58E-03
296	1.389E-05	1.2705E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.17E-09	1,000,000	4.17E-03
297	1.389E-05	1.5361E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.05E-09	1,000,000	5.05E-03
298	1.389E-05	1.8406E-05	1.05E-03	1.92E-08	2.00	1.57E-01	6.05E-09	1,000,000	6.05E-03
299	1.389E-05	2.1981E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.22E-09	1,000,000	7.22E-03
300	1.389E-05	2.6394E-05	1.05E-03	2.76E-08	2.00	1.57E-01	8.67E-09	1,000,000	8.67E-03
301	1.389E-05	2.8681E-05	1.05E-03	3.00E-08	2.00	1.57E-01	9.42E-09	1,000,000	9.42E-03
302	1.389E-05	3.206E-05	1.05E-03	3.35E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
303	1.389E-05	3.3413E-05	1.05E-03	3.49E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
304	1.389E-05	3.3398E-05	1.05E-03	3.49E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
305	1.389E-05	3.1343E-05	1.05E-03	3.28E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
306	1.389E-05	2.7917E-05	1.05E-03	2.92E-08	2.00	1.57E-01	9.17E-09	1,000,000	9.17E-03
307	1.389E-05	2.5289E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.31E-09	1,000,000	8.31E-03
308	1.389E-05	2.2854E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.51E-09	1,000,000	7.51E-03
309	1.389E-05	1.9768E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
310	1.389E-05	1.7441E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
311	1.389E-05	1.5454E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
312	1.389E-05	1.3757E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
313	1.389E-05	1.2294E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
314	1.389E-05	1.1038E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.63E-09	1,000,000	3.63E-03
315	1.389E-05	6.6717E-06	1.05E-03	6.97E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
316	1.389E-05	7.6294E-06	1.05E-03	7.97E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.389E-05	8.7211E-06	1.05E-03	9.12E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
318	1.389E-05	9.9649E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
319	1.389E-05	1.1323E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.72E-09	1,000,000	3.72E-03
320	1.389E-05	1.3801E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
321	1.389E-05	1.5734E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.17E-09	1,000,000	5.17E-03
322	1.389E-05	1.8011E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.92E-09	1,000,000	5.92E-03
323	1.389E-05	2.0572E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.76E-09	1,000,000	6.76E-03
324	1.389E-05	2.2377E-05	1.05E-03	2.34E-08	2.00	1.57E-01	7.35E-09	1,000,000	7.35E-03
325	1.389E-05	2.3791E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.82E-09	1,000,000	7.82E-03
326	1.389E-05	2.4527E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.06E-09	1,000,000	8.06E-03
327	1.389E-05	2.6517E-05	1.05E-03	2.77E-08	2.00	1.57E-01	8.71E-09	1,000,000	8.71E-03
328	1.389E-05	2.1429E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.04E-09	1,000,000	7.04E-03
329	1.389E-05	1.9989E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
330	1.389E-05	1.8854E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.19E-09	1,000,000	6.19E-03
331	1.389E-05	1.7507E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
332	1.389E-05	1.5975E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.25E-09	1,000,000	5.25E-03
333	1.389E-05	1.4578E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
334	1.389E-05	1.2603E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
335	1.389E-05	1.1393E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
336	1.389E-05	1.0331E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.39E-09	1,000,000	3.39E-03
337	1.389E-05	5.6926E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
338	1.389E-05	6.3672E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
339	1.389E-05	7.0577E-06	1.05E-03	7.38E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
340	1.389E-05	8.073E-06	1.05E-03	8.44E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
341	1.389E-05	9.0217E-06	1.05E-03	9.43E-09	2.00	1.57E-01	2.96E-09	1,000,000	2.96E-03
342	1.389E-05	1.0653E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
343	1.389E-05	1.1823E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
344	1.389E-05	1.3384E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.40E-09	1,000,000	4.40E-03
345	1.389E-05	1.4892E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03
346	1.389E-05	1.6578E-05	1.05E-03	1.73E-08	2.00	1.57E-01	5.45E-09	1,000,000	5.45E-03
347	1.389E-05	1.7306E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.69E-09	1,000,000	5.69E-03
348	1.389E-05	1.7979E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
349	1.389E-05	1.6213E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.33E-09	1,000,000	5.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.389E-05	1.5869E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.21E-09	1,000,000	5.21E-03
351	1.389E-05	1.5535E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
352	1.389E-05	1.4666E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.82E-09	1,000,000	4.82E-03
353	1.389E-05	1.4577E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
354	1.389E-05	1.3805E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
355	1.389E-05	1.3116E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.31E-09	1,000,000	4.31E-03
356	1.389E-05	1.1902E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
357	1.389E-05	1.1023E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
358	1.389E-05	9.9995E-06	1.05E-03	1.05E-08	2.00	1.57E-01	3.28E-09	1,000,000	3.28E-03
359	1.389E-05	4.7832E-06	1.05E-03	5.00E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
360	1.389E-05	5.3291E-06	1.05E-03	5.57E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
361	1.389E-05	5.894E-06	1.05E-03	6.16E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
362	1.389E-05	6.5367E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
363	1.389E-05	7.1897E-06	1.05E-03	7.51E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
364	1.389E-05	8.1777E-06	1.05E-03	8.55E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
365	1.389E-05	9.211E-06	1.05E-03	9.63E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
366	1.389E-05	1.0337E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.40E-09	1,000,000	3.40E-03
367	1.389E-05	1.1647E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
368	1.389E-05	1.2476E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.10E-09	1,000,000	4.10E-03
369	1.389E-05	1.278E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
370	1.389E-05	1.2594E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
371	1.389E-05	1.2668E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
372	1.389E-05	1.2463E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
373	1.389E-05	1.1924E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
374	1.389E-05	1.144E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.76E-09	1,000,000	3.76E-03
375	1.389E-05	1.1607E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.81E-09	1,000,000	3.81E-03
376	1.389E-05	1.1307E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
377	1.389E-05	1.1067E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
378	1.389E-05	1.0804E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
379	1.389E-05	9.9283E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
380	1.389E-05	9.4286E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
381	1.389E-05	2.0208E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.64E-09	1,000,000	6.64E-03
382	1.389E-05	2.3344E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.67E-09	1,000,000	7.67E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.389E-05	2.6948E-05	1.05E-03	2.82E-08	2.00	1.57E-01	8.85E-09	1,000,000	8.85E-03
384	1.389E-05	3.0898E-05	1.05E-03	3.23E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
385	1.389E-05	3.4883E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
386	1.389E-05	3.8273E-05	1.05E-03	4.00E-08	2.00	1.57E-01	1.26E-08	1,000,000	1.26E-02
387	1.389E-05	4.029E-05	1.05E-03	4.21E-08	2.00	1.57E-01	1.32E-08	1,000,000	1.32E-02
388	1.389E-05	4.0431E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
389	1.389E-05	3.8592E-05	1.05E-03	4.03E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
390	1.389E-05	3.5322E-05	1.05E-03	3.69E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
391	1.389E-05	3.1376E-05	1.05E-03	3.28E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
392	1.389E-05	2.7404E-05	1.05E-03	2.86E-08	2.00	1.57E-01	9.00E-09	1,000,000	9.00E-03
393	1.389E-05	2.3751E-05	1.05E-03	2.48E-08	2.00	1.57E-01	7.80E-09	1,000,000	7.80E-03
394	1.389E-05	2.059E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.76E-09	1,000,000	6.76E-03
395	1.389E-05	1.7858E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.87E-09	1,000,000	5.87E-03
396	1.389E-05	1.5579E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.12E-09	1,000,000	5.12E-03
397	1.389E-05	1.3679E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
398	1.389E-05	1.2083E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
399	1.389E-05	2.2899E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.52E-09	1,000,000	7.52E-03
400	1.389E-05	2.7157E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.92E-09	1,000,000	8.92E-03
401	1.389E-05	3.2379E-05	1.05E-03	3.38E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
402	1.389E-05	3.8541E-05	1.05E-03	4.03E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
403	1.389E-05	4.5269E-05	1.05E-03	4.73E-08	2.00	1.57E-01	1.49E-08	1,000,000	1.49E-02
404	1.389E-05	5.1487E-05	1.05E-03	5.38E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02
405	1.389E-05	5.556E-05	1.05E-03	5.81E-08	2.00	1.57E-01	1.83E-08	1,000,000	1.83E-02
406	1.389E-05	5.5892E-05	1.05E-03	5.84E-08	2.00	1.57E-01	1.84E-08	1,000,000	1.84E-02
407	1.389E-05	5.2272E-05	1.05E-03	5.46E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
408	1.389E-05	4.6247E-05	1.05E-03	4.83E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
409	1.389E-05	3.9482E-05	1.05E-03	4.13E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
410	1.389E-05	3.3167E-05	1.05E-03	3.47E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
411	1.389E-05	2.7871E-05	1.05E-03	2.91E-08	2.00	1.57E-01	9.16E-09	1,000,000	9.16E-03
412	1.389E-05	2.3558E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.74E-09	1,000,000	7.74E-03
413	1.389E-05	2.0024E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.58E-09	1,000,000	6.58E-03
414	1.389E-05	1.7188E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.65E-09	1,000,000	5.65E-03
415	1.389E-05	1.4884E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.389E-05	1.2976E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.26E-09	1,000,000	4.26E-03
417	1.389E-05	2.5749E-05	1.05E-03	2.69E-08	2.00	1.57E-01	8.46E-09	1,000,000	8.46E-03
418	1.389E-05	3.1434E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
419	1.389E-05	3.8931E-05	1.05E-03	4.07E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
420	1.389E-05	4.8666E-05	1.05E-03	5.09E-08	2.00	1.57E-01	1.60E-08	1,000,000	1.60E-02
421	1.389E-05	6.0679E-05	1.05E-03	6.34E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
422	1.389E-05	7.3627E-05	1.05E-03	7.70E-08	2.00	1.57E-01	2.42E-08	1,000,000	2.42E-02
423	1.389E-05	8.3278E-05	1.05E-03	8.70E-08	2.00	1.57E-01	2.74E-08	1,000,000	2.74E-02
424	1.389E-05	8.4147E-05	1.05E-03	8.80E-08	2.00	1.57E-01	2.76E-08	1,000,000	2.76E-02
425	1.389E-05	7.5505E-05	1.05E-03	7.89E-08	2.00	1.57E-01	2.48E-08	1,000,000	2.48E-02
426	1.389E-05	6.284E-05	1.05E-03	6.57E-08	2.00	1.57E-01	2.06E-08	1,000,000	2.06E-02
427	1.389E-05	5.046E-05	1.05E-03	5.27E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
428	1.389E-05	4.0441E-05	1.05E-03	4.23E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
429	1.389E-05	3.2718E-05	1.05E-03	3.42E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
430	1.389E-05	2.6826E-05	1.05E-03	2.80E-08	2.00	1.57E-01	8.81E-09	1,000,000	8.81E-03
431	1.389E-05	2.2335E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.34E-09	1,000,000	7.34E-03
432	1.389E-05	1.8864E-05	1.05E-03	1.97E-08	2.00	1.57E-01	6.20E-09	1,000,000	6.20E-03
433	1.389E-05	1.6176E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.31E-09	1,000,000	5.31E-03
434	1.389E-05	1.3974E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.59E-09	1,000,000	4.59E-03
435	1.389E-05	2.8497E-05	1.05E-03	2.98E-08	2.00	1.57E-01	9.36E-09	1,000,000	9.36E-03
436	1.389E-05	3.585E-05	1.05E-03	3.75E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
437	1.389E-05	4.6345E-05	1.05E-03	4.84E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
438	1.389E-05	6.1574E-05	1.05E-03	6.44E-08	2.00	1.57E-01	2.02E-08	1,000,000	2.02E-02
439	1.389E-05	8.3742E-05	1.05E-03	8.75E-08	2.00	1.57E-01	2.75E-08	1,000,000	2.75E-02
440	1.389E-05	0.00011338	1.05E-03	1.19E-07	2.00	1.57E-01	3.72E-08	1,000,000	3.72E-02
441	1.389E-05	0.00014154	1.05E-03	1.48E-07	2.00	1.57E-01	4.65E-08	1,000,000	4.65E-02
442	1.389E-05	0.00014484	1.05E-03	1.51E-07	2.00	1.57E-01	4.76E-08	1,000,000	4.76E-02
443	1.389E-05	0.00011944	1.05E-03	1.25E-07	2.00	1.57E-01	3.92E-08	1,000,000	3.92E-02
444	1.389E-05	8.8931E-05	1.05E-03	9.30E-08	2.00	1.57E-01	2.92E-08	1,000,000	2.92E-02
445	1.389E-05	6.549E-05	1.05E-03	6.85E-08	2.00	1.57E-01	2.15E-08	1,000,000	2.15E-02
446	1.389E-05	4.9359E-05	1.05E-03	5.16E-08	2.00	1.57E-01	1.62E-08	1,000,000	1.62E-02
447	1.389E-05	3.8279E-05	1.05E-03	4.00E-08	2.00	1.57E-01	1.26E-08	1,000,000	1.26E-02
448	1.389E-05	3.0429E-05	1.05E-03	3.18E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.389E-05	2.4822E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.15E-09	1,000,000	8.15E-03
450	1.389E-05	2.0663E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
451	1.389E-05	1.7412E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.72E-09	1,000,000	5.72E-03
452	1.389E-05	1.4943E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.91E-09	1,000,000	4.91E-03
453	1.389E-05	3.0812E-05	1.05E-03	3.22E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
454	1.389E-05	3.9792E-05	1.05E-03	4.16E-08	2.00	1.57E-01	1.31E-08	1,000,000	1.31E-02
455	1.389E-05	5.3604E-05	1.05E-03	5.60E-08	2.00	1.57E-01	1.76E-08	1,000,000	1.76E-02
456	1.389E-05	7.6166E-05	1.05E-03	7.96E-08	2.00	1.57E-01	2.50E-08	1,000,000	2.50E-02
457	1.389E-05	0.00011578	1.05E-03	1.21E-07	2.00	1.57E-01	3.80E-08	1,000,000	3.80E-02
458	1.389E-05	0.0001893	1.05E-03	1.98E-07	2.00	1.57E-01	6.22E-08	1,000,000	6.22E-02
459	1.389E-05	0.00030649	1.05E-03	3.20E-07	2.00	1.57E-01	1.01E-07	1,000,000	1.01E-01
460	1.389E-05	0.00032758	1.05E-03	3.42E-07	2.00	1.57E-01	1.08E-07	1,000,000	1.08E-01
461	1.389E-05	0.00021116	1.05E-03	2.21E-07	2.00	1.57E-01	6.94E-08	1,000,000	6.94E-02
462	1.389E-05	0.00012962	1.05E-03	1.35E-07	2.00	1.57E-01	4.26E-08	1,000,000	4.26E-02
463	1.389E-05	8.5206E-05	1.05E-03	8.91E-08	2.00	1.57E-01	2.80E-08	1,000,000	2.80E-02
464	1.389E-05	5.9876E-05	1.05E-03	6.26E-08	2.00	1.57E-01	1.97E-08	1,000,000	1.97E-02
465	1.389E-05	4.4405E-05	1.05E-03	4.64E-08	2.00	1.57E-01	1.46E-08	1,000,000	1.46E-02
466	1.389E-05	3.4332E-05	1.05E-03	3.59E-08	2.00	1.57E-01	1.13E-08	1,000,000	1.13E-02
467	1.389E-05	2.7418E-05	1.05E-03	2.87E-08	2.00	1.57E-01	9.01E-09	1,000,000	9.01E-03
468	1.389E-05	2.244E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.37E-09	1,000,000	7.37E-03
469	1.389E-05	1.874E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
470	1.389E-05	1.5921E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
471	1.389E-05	2.924E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.61E-09	1,000,000	9.61E-03
472	1.389E-05	4.0321E-05	1.05E-03	4.21E-08	2.00	1.57E-01	1.32E-08	1,000,000	1.32E-02
473	1.389E-05	5.8891E-05	1.05E-03	6.16E-08	2.00	1.57E-01	1.93E-08	1,000,000	1.93E-02
474	1.389E-05	8.8052E-05	1.05E-03	9.20E-08	2.00	1.57E-01	2.89E-08	1,000,000	2.89E-02
475	1.389E-05	0.0001482	1.05E-03	1.55E-07	2.00	1.57E-01	4.87E-08	1,000,000	4.87E-02
476	1.389E-05	3.8162E-05	1.05E-03	3.99E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
477	1.389E-05	2.9834E-05	1.05E-03	3.12E-08	2.00	1.57E-01	9.80E-09	1,000,000	9.80E-03
478	1.389E-05	2.4186E-05	1.05E-03	2.53E-08	2.00	1.57E-01	7.94E-09	1,000,000	7.94E-03
479	1.389E-05	2.0006E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
480	1.389E-05	1.6842E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.53E-09	1,000,000	5.53E-03
481	1.389E-05	2.722E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.94E-09	1,000,000	8.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.389E-05	3.78E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
483	1.389E-05	5.4234E-05	1.05E-03	5.67E-08	2.00	1.57E-01	1.78E-08	1,000,000	1.78E-02
484	1.389E-05	8.5153E-05	1.05E-03	8.90E-08	2.00	1.57E-01	2.80E-08	1,000,000	2.80E-02
485	1.389E-05	0.00015956	1.05E-03	1.67E-07	2.00	1.57E-01	5.24E-08	1,000,000	5.24E-02
486	1.389E-05	4.0966E-05	1.05E-03	4.28E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
487	1.389E-05	3.183E-05	1.05E-03	3.33E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
488	1.389E-05	2.5494E-05	1.05E-03	2.66E-08	2.00	1.57E-01	8.37E-09	1,000,000	8.37E-03
489	1.389E-05	2.0984E-05	1.05E-03	2.19E-08	2.00	1.57E-01	6.89E-09	1,000,000	6.89E-03
490	1.389E-05	1.7597E-05	1.05E-03	1.84E-08	2.00	1.57E-01	5.78E-09	1,000,000	5.78E-03
491	1.389E-05	2.4162E-05	1.05E-03	2.53E-08	2.00	1.57E-01	7.94E-09	1,000,000	7.94E-03
492	1.389E-05	3.308E-05	1.05E-03	3.46E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
493	1.389E-05	4.6077E-05	1.05E-03	4.82E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
494	1.389E-05	7.0159E-05	1.05E-03	7.33E-08	2.00	1.57E-01	2.30E-08	1,000,000	2.30E-02
495	1.389E-05	0.00012124	1.05E-03	1.27E-07	2.00	1.57E-01	3.98E-08	1,000,000	3.98E-02
496	1.389E-05	0.00091082	1.05E-03	9.52E-07	2.00	1.57E-01	2.99E-07	1,000,000	2.99E-01
497	1.389E-05	0.00038888	1.05E-03	4.06E-07	2.00	1.57E-01	1.28E-07	1,000,000	1.28E-01
498	1.389E-05	5.5576E-05	1.05E-03	5.81E-08	2.00	1.57E-01	1.83E-08	1,000,000	1.83E-02
499	1.389E-05	4.1764E-05	1.05E-03	4.37E-08	2.00	1.57E-01	1.37E-08	1,000,000	1.37E-02
500	1.389E-05	3.251E-05	1.05E-03	3.40E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
501	1.389E-05	2.611E-05	1.05E-03	2.73E-08	2.00	1.57E-01	8.58E-09	1,000,000	8.58E-03
502	1.389E-05	2.147E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.05E-09	1,000,000	7.05E-03
503	1.389E-05	1.8008E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.92E-09	1,000,000	5.92E-03
504	1.389E-05	2.0405E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.70E-09	1,000,000	6.70E-03
505	1.389E-05	2.6258E-05	1.05E-03	2.74E-08	2.00	1.57E-01	8.63E-09	1,000,000	8.63E-03
506	1.389E-05	3.7736E-05	1.05E-03	3.94E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
507	1.389E-05	5.29E-05	1.05E-03	5.53E-08	2.00	1.57E-01	1.74E-08	1,000,000	1.74E-02
508	1.389E-05	8.4654E-05	1.05E-03	8.85E-08	2.00	1.57E-01	2.78E-08	1,000,000	2.78E-02
509	1.389E-05	0.00013395	1.05E-03	1.40E-07	2.00	1.57E-01	4.40E-08	1,000,000	4.40E-02
510	1.389E-05	0.00021056	1.05E-03	2.20E-07	2.00	1.57E-01	6.92E-08	1,000,000	6.92E-02
511	1.389E-05	0.00024144	1.05E-03	2.52E-07	2.00	1.57E-01	7.93E-08	1,000,000	7.93E-02
512	1.389E-05	0.000195	1.05E-03	2.04E-07	2.00	1.57E-01	6.41E-08	1,000,000	6.41E-02
513	1.389E-05	0.0001358	1.05E-03	1.42E-07	2.00	1.57E-01	4.46E-08	1,000,000	4.46E-02
514	1.389E-05	9.4928E-05	1.05E-03	9.92E-08	2.00	1.57E-01	3.12E-08	1,000,000	3.12E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.389E-05	6.8534E-05	1.05E-03	7.16E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02
516	1.389E-05	5.1288E-05	1.05E-03	5.36E-08	2.00	1.57E-01	1.68E-08	1,000,000	1.68E-02
517	1.389E-05	3.9644E-05	1.05E-03	4.14E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
518	1.389E-05	3.1513E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
519	1.389E-05	2.5643E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.42E-09	1,000,000	8.42E-03
520	1.389E-05	2.1281E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.99E-09	1,000,000	6.99E-03
521	1.389E-05	1.7962E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.90E-09	1,000,000	5.90E-03
522	1.389E-05	1.6719E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
523	1.389E-05	2.1662E-05	1.05E-03	2.26E-08	2.00	1.57E-01	7.12E-09	1,000,000	7.12E-03
524	1.389E-05	2.866E-05	1.05E-03	3.00E-08	2.00	1.57E-01	9.41E-09	1,000,000	9.41E-03
525	1.389E-05	3.8449E-05	1.05E-03	4.02E-08	2.00	1.57E-01	1.26E-08	1,000,000	1.26E-02
526	1.389E-05	5.0626E-05	1.05E-03	5.29E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
527	1.389E-05	7.5885E-05	1.05E-03	7.93E-08	2.00	1.57E-01	2.49E-08	1,000,000	2.49E-02
528	1.389E-05	9.7156E-05	1.05E-03	1.02E-07	2.00	1.57E-01	3.19E-08	1,000,000	3.19E-02
529	1.389E-05	0.00010746	1.05E-03	1.12E-07	2.00	1.57E-01	3.53E-08	1,000,000	3.53E-02
530	1.389E-05	0.00010494	1.05E-03	1.10E-07	2.00	1.57E-01	3.45E-08	1,000,000	3.45E-02
531	1.389E-05	8.8873E-05	1.05E-03	9.29E-08	2.00	1.57E-01	2.92E-08	1,000,000	2.92E-02
532	1.389E-05	7.0197E-05	1.05E-03	7.34E-08	2.00	1.57E-01	2.31E-08	1,000,000	2.31E-02
533	1.389E-05	5.5295E-05	1.05E-03	5.78E-08	2.00	1.57E-01	1.82E-08	1,000,000	1.82E-02
534	1.389E-05	4.3959E-05	1.05E-03	4.59E-08	2.00	1.57E-01	1.44E-08	1,000,000	1.44E-02
535	1.389E-05	3.5464E-05	1.05E-03	3.71E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
536	1.389E-05	2.9057E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.55E-09	1,000,000	9.55E-03
537	1.389E-05	2.4165E-05	1.05E-03	2.53E-08	2.00	1.57E-01	7.94E-09	1,000,000	7.94E-03
538	1.389E-05	2.0384E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.70E-09	1,000,000	6.70E-03
539	1.389E-05	1.7408E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.72E-09	1,000,000	5.72E-03
540	1.389E-05	1.3672E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
541	1.389E-05	1.7057E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.60E-09	1,000,000	5.60E-03
542	1.389E-05	2.1466E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.05E-09	1,000,000	7.05E-03
543	1.389E-05	2.7306E-05	1.05E-03	2.85E-08	2.00	1.57E-01	8.97E-09	1,000,000	8.97E-03
544	1.389E-05	3.6061E-05	1.05E-03	3.77E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
545	1.389E-05	4.467E-05	1.05E-03	4.67E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
546	1.389E-05	5.501E-05	1.05E-03	5.75E-08	2.00	1.57E-01	1.81E-08	1,000,000	1.81E-02
547	1.389E-05	6.0257E-05	1.05E-03	6.30E-08	2.00	1.57E-01	1.98E-08	1,000,000	1.98E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.389E-05	6.1602E-05	1.05E-03	6.44E-08	2.00	1.57E-01	2.02E-08	1,000,000	2.02E-02
549	1.389E-05	5.8757E-05	1.05E-03	6.14E-08	2.00	1.57E-01	1.93E-08	1,000,000	1.93E-02
550	1.389E-05	5.2035E-05	1.05E-03	5.44E-08	2.00	1.57E-01	1.71E-08	1,000,000	1.71E-02
551	1.389E-05	4.3616E-05	1.05E-03	4.56E-08	2.00	1.57E-01	1.43E-08	1,000,000	1.43E-02
552	1.389E-05	3.6417E-05	1.05E-03	3.81E-08	2.00	1.57E-01	1.20E-08	1,000,000	1.20E-02
553	1.389E-05	3.0573E-05	1.05E-03	3.20E-08	2.00	1.57E-01	1.00E-08	1,000,000	1.00E-02
554	1.389E-05	2.5852E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
555	1.389E-05	2.2045E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.24E-09	1,000,000	7.24E-03
556	1.389E-05	1.8957E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.23E-09	1,000,000	6.23E-03
557	1.389E-05	1.6442E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
558	1.389E-05	1.1204E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.68E-09	1,000,000	3.68E-03
559	1.389E-05	1.3576E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.46E-09	1,000,000	4.46E-03
560	1.389E-05	1.6022E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.26E-09	1,000,000	5.26E-03
561	1.389E-05	1.9667E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.46E-09	1,000,000	6.46E-03
562	1.389E-05	2.338E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.68E-09	1,000,000	7.68E-03
563	1.389E-05	2.8029E-05	1.05E-03	2.93E-08	2.00	1.57E-01	9.21E-09	1,000,000	9.21E-03
564	1.389E-05	3.4018E-05	1.05E-03	3.56E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
565	1.389E-05	3.7253E-05	1.05E-03	3.89E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
566	1.389E-05	4.0343E-05	1.05E-03	4.22E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
567	1.389E-05	3.9623E-05	1.05E-03	4.14E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
568	1.389E-05	3.8478E-05	1.05E-03	4.02E-08	2.00	1.57E-01	1.26E-08	1,000,000	1.26E-02
569	1.389E-05	3.3588E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
570	1.389E-05	2.9779E-05	1.05E-03	3.11E-08	2.00	1.57E-01	9.78E-09	1,000,000	9.78E-03
571	1.389E-05	2.6484E-05	1.05E-03	2.77E-08	2.00	1.57E-01	8.70E-09	1,000,000	8.70E-03
572	1.389E-05	2.2592E-05	1.05E-03	2.36E-08	2.00	1.57E-01	7.42E-09	1,000,000	7.42E-03
573	1.389E-05	1.9706E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.47E-09	1,000,000	6.47E-03
574	1.389E-05	1.7274E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.67E-09	1,000,000	5.67E-03
575	1.389E-05	1.5226E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.389E-05	1.2667E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.1E-03
2	1.389E-05	1.3989E-05	6.05E-04	8.46E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
3	1.389E-05	1.5417E-05	6.05E-04	9.33E-09	14.00	4.71E-02	6.16E-09	1,000,000	6.16E-03
4	1.389E-05	1.6905E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.75E-09	1,000,000	6.75E-03
5	1.389E-05	1.8402E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.35E-09	1,000,000	7.35E-03
6	1.389E-05	1.9806E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.91E-09	1,000,000	7.91E-03
7	1.389E-05	2.0958E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.37E-09	1,000,000	8.37E-03
8	1.389E-05	2.1737E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.68E-09	1,000,000	8.68E-03
9	1.389E-05	2.2053E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.81E-09	1,000,000	8.81E-03
10	1.389E-05	2.1816E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.71E-09	1,000,000	8.71E-03
11	1.389E-05	2.1065E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.41E-09	1,000,000	8.41E-03
12	1.389E-05	1.9922E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.96E-09	1,000,000	7.96E-03
13	1.389E-05	1.8529E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.40E-09	1,000,000	7.40E-03
14	1.389E-05	1.7025E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.80E-09	1,000,000	6.80E-03
15	1.389E-05	1.5518E-05	6.05E-04	9.39E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
16	1.389E-05	1.4064E-05	6.05E-04	8.51E-09	14.00	4.71E-02	5.62E-09	1,000,000	5.62E-03
17	1.389E-05	1.2743E-05	6.05E-04	7.71E-09	14.00	4.71E-02	5.09E-09	1,000,000	5.09E-03
18	1.389E-05	1.1537E-05	6.05E-04	6.98E-09	14.00	4.71E-02	4.61E-09	1,000,000	4.61E-03
19	1.389E-05	1.0444E-05	6.05E-04	6.32E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
20	1.389E-05	9.491E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
21	1.389E-05	8.6422E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
22	1.389E-05	7.8816E-06	6.05E-04	4.77E-09	14.00	4.71E-02	3.15E-09	1,000,000	3.15E-03
23	1.389E-05	1.4054E-05	6.05E-04	8.50E-09	14.00	4.71E-02	5.61E-09	1,000,000	5.61E-03
24	1.389E-05	1.5747E-05	6.05E-04	9.53E-09	14.00	4.71E-02	6.29E-09	1,000,000	6.29E-03
25	1.389E-05	1.7635E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.04E-09	1,000,000	7.04E-03
26	1.389E-05	1.9687E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.86E-09	1,000,000	7.86E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.389E-05	2.1816E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.71E-09	1,000,000	8.71E-03
28	1.389E-05	2.3911E-05	6.05E-04	1.45E-08	14.00	4.71E-02	9.55E-09	1,000,000	9.55E-03
29	1.389E-05	2.5679E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
30	1.389E-05	2.695E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
31	1.389E-05	2.743E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
32	1.389E-05	2.7041E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
33	1.389E-05	2.5835E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
34	1.389E-05	2.41E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.62E-09	1,000,000	9.62E-03
35	1.389E-05	2.2052E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.81E-09	1,000,000	8.81E-03
36	1.389E-05	1.9923E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.96E-09	1,000,000	7.96E-03
37	1.389E-05	1.7799E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.11E-09	1,000,000	7.11E-03
38	1.389E-05	1.5885E-05	6.05E-04	9.61E-09	14.00	4.71E-02	6.34E-09	1,000,000	6.34E-03
39	1.389E-05	1.4202E-05	6.05E-04	8.59E-09	14.00	4.71E-02	5.67E-09	1,000,000	5.67E-03
40	1.389E-05	1.2699E-05	6.05E-04	7.68E-09	14.00	4.71E-02	5.07E-09	1,000,000	5.07E-03
41	1.389E-05	1.1373E-05	6.05E-04	6.88E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03
42	1.389E-05	1.0218E-05	6.05E-04	6.18E-09	14.00	4.71E-02	4.08E-09	1,000,000	4.08E-03
43	1.389E-05	9.2136E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
44	1.389E-05	8.3819E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
45	1.389E-05	1.5573E-05	6.05E-04	9.42E-09	14.00	4.71E-02	6.22E-09	1,000,000	6.22E-03
46	1.389E-05	1.7736E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.08E-09	1,000,000	7.08E-03
47	1.389E-05	2.025E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.09E-09	1,000,000	8.09E-03
48	1.389E-05	2.3109E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.23E-09	1,000,000	9.23E-03
49	1.389E-05	2.6227E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
50	1.389E-05	2.9414E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
51	1.389E-05	3.2315E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
52	1.389E-05	3.4427E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.389E-05	3.5296E-05	6.05E-04	2.14E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
54	1.389E-05	3.4603E-05	6.05E-04	2.09E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
55	1.389E-05	3.2595E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
56	1.389E-05	2.9754E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
57	1.389E-05	2.6576E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
58	1.389E-05	2.3502E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.39E-09	1,000,000	9.39E-03
59	1.389E-05	2.0541E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.20E-09	1,000,000	8.20E-03
60	1.389E-05	1.7983E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
61	1.389E-05	1.5822E-05	6.05E-04	9.57E-09	14.00	4.71E-02	6.32E-09	1,000,000	6.32E-03
62	1.389E-05	1.3946E-05	6.05E-04	8.44E-09	14.00	4.71E-02	5.57E-09	1,000,000	5.57E-03
63	1.389E-05	1.2352E-05	6.05E-04	7.47E-09	14.00	4.71E-02	4.93E-09	1,000,000	4.93E-03
64	1.389E-05	1.1003E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
65	1.389E-05	9.8641E-06	6.05E-04	5.97E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
66	1.389E-05	8.8928E-06	6.05E-04	5.38E-09	14.00	4.71E-02	3.55E-09	1,000,000	3.55E-03
67	1.389E-05	1.7189E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.86E-09	1,000,000	6.86E-03
68	1.389E-05	1.9933E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.96E-09	1,000,000	7.96E-03
69	1.389E-05	2.327E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.29E-09	1,000,000	9.29E-03
70	1.389E-05	2.7262E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
71	1.389E-05	3.1914E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
72	1.389E-05	3.7018E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
73	1.389E-05	4.2023E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
74	1.389E-05	4.5863E-05	6.05E-04	2.78E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
75	1.389E-05	4.7467E-05	6.05E-04	2.87E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02
76	1.389E-05	4.6243E-05	6.05E-04	2.80E-08	14.00	4.71E-02	1.85E-08	1,000,000	1.85E-02
77	1.389E-05	4.2626E-05	6.05E-04	2.58E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
78	1.389E-05	3.7774E-05	6.05E-04	2.29E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
79	1.389E-05	3.259E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
80	1.389E-05	2.7861E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
81	1.389E-05	2.378E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.50E-09	1,000,000	9.50E-03
82	1.389E-05	2.0421E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.15E-09	1,000,000	8.15E-03
83	1.389E-05	1.7598E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.03E-09	1,000,000	7.03E-03
84	1.389E-05	1.5299E-05	6.05E-04	9.26E-09	14.00	4.71E-02	6.11E-09	1,000,000	6.11E-03
85	1.389E-05	1.334E-05	6.05E-04	8.07E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.389E-05	1.1811E-05	6.05E-04	7.15E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
87	1.389E-05	1.0501E-05	6.05E-04	6.35E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
88	1.389E-05	9.4102E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
89	1.389E-05	1.8835E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.52E-09	1,000,000	7.52E-03
90	1.389E-05	2.2262E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.89E-09	1,000,000	8.89E-03
91	1.389E-05	2.663E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
92	1.389E-05	3.2202E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
93	1.389E-05	3.9214E-05	6.05E-04	2.37E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
94	1.389E-05	4.7628E-05	6.05E-04	2.88E-08	14.00	4.71E-02	1.90E-08	1,000,000	1.90E-02
95	1.389E-05	5.6812E-05	6.05E-04	3.44E-08	14.00	4.71E-02	2.27E-08	1,000,000	2.27E-02
96	1.389E-05	6.4731E-05	6.05E-04	3.92E-08	14.00	4.71E-02	2.59E-08	1,000,000	2.59E-02
97	1.389E-05	6.8363E-05	6.05E-04	4.14E-08	14.00	4.71E-02	2.73E-08	1,000,000	2.73E-02
98	1.389E-05	6.5682E-05	6.05E-04	3.97E-08	14.00	4.71E-02	2.62E-08	1,000,000	2.62E-02
99	1.389E-05	5.8126E-05	6.05E-04	3.52E-08	14.00	4.71E-02	2.32E-08	1,000,000	2.32E-02
100	1.389E-05	4.8984E-05	6.05E-04	2.96E-08	14.00	4.71E-02	1.96E-08	1,000,000	1.96E-02
101	1.389E-05	4.0383E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
102	1.389E-05	3.3208E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
103	1.389E-05	2.7526E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
104	1.389E-05	2.3026E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.20E-09	1,000,000	9.20E-03
105	1.389E-05	1.9519E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.79E-09	1,000,000	7.79E-03
106	1.389E-05	1.6715E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.68E-09	1,000,000	6.68E-03
107	1.389E-05	1.4455E-05	6.05E-04	8.75E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
108	1.389E-05	1.2637E-05	6.05E-04	7.65E-09	14.00	4.71E-02	5.05E-09	1,000,000	5.05E-03
109	1.389E-05	1.1148E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
110	1.389E-05	9.9342E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
111	1.389E-05	2.0394E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.14E-09	1,000,000	8.14E-03
112	1.389E-05	2.4577E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.81E-09	1,000,000	9.81E-03
113	1.389E-05	3.0155E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
114	1.389E-05	3.7755E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
115	1.389E-05	4.8223E-05	6.05E-04	2.92E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
116	1.389E-05	6.242E-05	6.05E-04	3.78E-08	14.00	4.71E-02	2.49E-08	1,000,000	2.49E-02
117	1.389E-05	8.0592E-05	6.05E-04	4.88E-08	14.00	4.71E-02	3.22E-08	1,000,000	3.22E-02
118	1.389E-05	9.9533E-05	6.05E-04	6.02E-08	14.00	4.71E-02	3.97E-08	1,000,000	3.97E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.389E-05	0.00010947	6.05E-04	6.62E-08	14.00	4.71E-02	4.37E-08	1,000,000	4.37E-02
120	1.389E-05	0.00010232	6.05E-04	6.19E-08	14.00	4.71E-02	4.09E-08	1,000,000	4.09E-02
121	1.389E-05	8.4169E-05	6.05E-04	5.09E-08	14.00	4.71E-02	3.36E-08	1,000,000	3.36E-02
122	1.389E-05	6.5363E-05	6.05E-04	3.95E-08	14.00	4.71E-02	2.61E-08	1,000,000	2.61E-02
123	1.389E-05	5.0537E-05	6.05E-04	3.06E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
124	1.389E-05	3.9652E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
125	1.389E-05	3.1754E-05	6.05E-04	1.92E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
126	1.389E-05	2.5894E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
127	1.389E-05	2.1539E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.60E-09	1,000,000	8.60E-03
128	1.389E-05	1.8196E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.27E-09	1,000,000	7.27E-03
129	1.389E-05	1.5559E-05	6.05E-04	9.41E-09	14.00	4.71E-02	6.21E-09	1,000,000	6.21E-03
130	1.389E-05	1.3494E-05	6.05E-04	8.16E-09	14.00	4.71E-02	5.39E-09	1,000,000	5.39E-03
131	1.389E-05	1.1816E-05	6.05E-04	7.15E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
132	1.389E-05	1.0462E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.18E-09	1,000,000	4.18E-03
133	1.389E-05	2.1723E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.68E-09	1,000,000	8.68E-03
134	1.389E-05	2.6617E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
135	1.389E-05	3.3448E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
136	1.389E-05	4.3387E-05	6.05E-04	2.63E-08	14.00	4.71E-02	1.73E-08	1,000,000	1.73E-02
137	1.389E-05	5.8418E-05	6.05E-04	3.53E-08	14.00	4.71E-02	2.33E-08	1,000,000	2.33E-02
138	1.389E-05	8.2053E-05	6.05E-04	4.96E-08	14.00	4.71E-02	3.28E-08	1,000,000	3.28E-02
139	1.389E-05	0.00011973	6.05E-04	7.24E-08	14.00	4.71E-02	4.78E-08	1,000,000	4.78E-02
140	1.389E-05	0.00017402	6.05E-04	1.05E-07	14.00	4.71E-02	6.95E-08	1,000,000	6.95E-02
141	1.389E-05	0.00021307	6.05E-04	1.29E-07	14.00	4.71E-02	8.51E-08	1,000,000	8.51E-02
142	1.389E-05	0.00018493	6.05E-04	1.12E-07	14.00	4.71E-02	7.38E-08	1,000,000	7.38E-02
143	1.389E-05	0.00012969	6.05E-04	7.85E-08	14.00	4.71E-02	5.18E-08	1,000,000	5.18E-02
144	1.389E-05	8.8947E-05	6.05E-04	5.38E-08	14.00	4.71E-02	3.55E-08	1,000,000	3.55E-02
145	1.389E-05	6.3369E-05	6.05E-04	3.83E-08	14.00	4.71E-02	2.53E-08	1,000,000	2.53E-02
146	1.389E-05	4.7124E-05	6.05E-04	2.85E-08	14.00	4.71E-02	1.88E-08	1,000,000	1.88E-02
147	1.389E-05	3.6421E-05	6.05E-04	2.20E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
148	1.389E-05	2.8974E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
149	1.389E-05	2.368E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.46E-09	1,000,000	9.46E-03
150	1.389E-05	1.9695E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.87E-09	1,000,000	7.87E-03
151	1.389E-05	1.6669E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.66E-09	1,000,000	6.66E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.389E-05	1.4342E-05	6.05E-04	8.68E-09	14.00	4.71E-02	5.73E-09	1,000,000	5.73E-03
153	1.389E-05	1.2483E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
154	1.389E-05	1.0985E-05	6.05E-04	6.65E-09	14.00	4.71E-02	4.39E-09	1,000,000	4.39E-03
155	1.389E-05	2.0033E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.00E-09	1,000,000	8.00E-03
156	1.389E-05	2.5769E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
157	1.389E-05	3.6018E-05	6.05E-04	2.18E-08	14.00	4.71E-02	1.44E-08	1,000,000	1.44E-02
158	1.389E-05	4.8026E-05	6.05E-04	2.91E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
159	1.389E-05	6.7778E-05	6.05E-04	4.10E-08	14.00	4.71E-02	2.71E-08	1,000,000	2.71E-02
160	1.389E-05	0.0001035	6.05E-04	6.26E-08	14.00	4.71E-02	4.13E-08	1,000,000	4.13E-02
161	1.389E-05	0.00017725	6.05E-04	1.07E-07	14.00	4.71E-02	7.08E-08	1,000,000	7.08E-02
162	1.389E-05	0.00035707	6.05E-04	2.16E-07	14.00	4.71E-02	1.43E-07	1,000,000	1.43E-01
163	1.389E-05	0.00070409	6.05E-04	4.26E-07	14.00	4.71E-02	2.81E-07	1,000,000	2.81E-01
164	1.389E-05	0.00042696	6.05E-04	2.58E-07	14.00	4.71E-02	1.71E-07	1,000,000	1.71E-01
165	1.389E-05	0.00020999	6.05E-04	1.27E-07	14.00	4.71E-02	8.39E-08	1,000,000	8.39E-02
166	1.389E-05	0.00012127	6.05E-04	7.34E-08	14.00	4.71E-02	4.84E-08	1,000,000	4.84E-02
167	1.389E-05	7.8759E-05	6.05E-04	4.77E-08	14.00	4.71E-02	3.15E-08	1,000,000	3.15E-02
168	1.389E-05	5.5477E-05	6.05E-04	3.36E-08	14.00	4.71E-02	2.22E-08	1,000,000	2.22E-02
169	1.389E-05	4.1406E-05	6.05E-04	2.51E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
170	1.389E-05	3.2144E-05	6.05E-04	1.94E-08	14.00	4.71E-02	1.28E-08	1,000,000	1.28E-02
171	1.389E-05	2.5742E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
172	1.389E-05	2.1209E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.47E-09	1,000,000	8.47E-03
173	1.389E-05	1.7785E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.10E-09	1,000,000	7.10E-03
174	1.389E-05	1.5174E-05	6.05E-04	9.18E-09	14.00	4.71E-02	6.06E-09	1,000,000	6.06E-03
175	1.389E-05	1.3141E-05	6.05E-04	7.95E-09	14.00	4.71E-02	5.25E-09	1,000,000	5.25E-03
176	1.389E-05	1.1506E-05	6.05E-04	6.96E-09	14.00	4.71E-02	4.59E-09	1,000,000	4.59E-03
177	1.389E-05	1.9295E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.71E-09	1,000,000	7.71E-03
178	1.389E-05	2.4986E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.98E-09	1,000,000	9.98E-03
179	1.389E-05	3.4825E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
180	1.389E-05	4.9827E-05	6.05E-04	3.01E-08	14.00	4.71E-02	1.99E-08	1,000,000	1.99E-02
181	1.389E-05	7.3222E-05	6.05E-04	4.43E-08	14.00	4.71E-02	2.92E-08	1,000,000	2.92E-02
182	1.389E-05	0.00011754	6.05E-04	7.11E-08	14.00	4.71E-02	4.69E-08	1,000,000	4.69E-02
183	1.389E-05	0.00022603	6.05E-04	1.37E-07	14.00	4.71E-02	9.03E-08	1,000,000	9.03E-02
184	1.389E-05	4.5834E-05	6.05E-04	2.77E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.389E-05	3.4874E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
186	1.389E-05	2.7698E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
187	1.389E-05	2.2548E-05	6.05E-04	1.36E-08	14.00	4.71E-02	9.00E-09	1,000,000	9.00E-03
188	1.389E-05	1.8762E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.49E-09	1,000,000	7.49E-03
189	1.389E-05	1.592E-05	6.05E-04	9.63E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
190	1.389E-05	1.3713E-05	6.05E-04	8.30E-09	14.00	4.71E-02	5.48E-09	1,000,000	5.48E-03
191	1.389E-05	1.1955E-05	6.05E-04	7.23E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
192	1.389E-05	1.7646E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.05E-09	1,000,000	7.05E-03
193	1.389E-05	2.2686E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.06E-09	1,000,000	9.06E-03
194	1.389E-05	3.0725E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
195	1.389E-05	4.2987E-05	6.05E-04	2.60E-08	14.00	4.71E-02	1.72E-08	1,000,000	1.72E-02
196	1.389E-05	6.5648E-05	6.05E-04	3.97E-08	14.00	4.71E-02	2.62E-08	1,000,000	2.62E-02
197	1.389E-05	0.00010663	6.05E-04	6.45E-08	14.00	4.71E-02	4.26E-08	1,000,000	4.26E-02
198	1.389E-05	0.00021156	6.05E-04	1.28E-07	14.00	4.71E-02	8.45E-08	1,000,000	8.45E-02
199	1.389E-05	0.00091296	6.05E-04	5.52E-07	14.00	4.71E-02	3.65E-07	1,000,000	3.65E-01
200	1.389E-05	4.8144E-05	6.05E-04	2.91E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
201	1.389E-05	3.658E-05	6.05E-04	2.21E-08	14.00	4.71E-02	1.46E-08	1,000,000	1.46E-02
202	1.389E-05	2.8827E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
203	1.389E-05	2.3426E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.35E-09	1,000,000	9.35E-03
204	1.389E-05	1.945E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.77E-09	1,000,000	7.77E-03
205	1.389E-05	1.6454E-05	6.05E-04	9.96E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
206	1.389E-05	1.4134E-05	6.05E-04	8.55E-09	14.00	4.71E-02	5.64E-09	1,000,000	5.64E-03
207	1.389E-05	1.2305E-05	6.05E-04	7.45E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
208	1.389E-05	1.5512E-05	6.05E-04	9.39E-09	14.00	4.71E-02	6.19E-09	1,000,000	6.19E-03
209	1.389E-05	1.9808E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.91E-09	1,000,000	7.91E-03
210	1.389E-05	2.5151E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
211	1.389E-05	3.5464E-05	6.05E-04	2.15E-08	14.00	4.71E-02	1.42E-08	1,000,000	1.42E-02
212	1.389E-05	5.072E-05	6.05E-04	3.07E-08	14.00	4.71E-02	2.03E-08	1,000,000	2.03E-02
213	1.389E-05	7.9065E-05	6.05E-04	4.78E-08	14.00	4.71E-02	3.16E-08	1,000,000	3.16E-02
214	1.389E-05	0.00013673	6.05E-04	8.27E-08	14.00	4.71E-02	5.46E-08	1,000,000	5.46E-02
215	1.389E-05	0.00026289	6.05E-04	1.59E-07	14.00	4.71E-02	1.05E-07	1,000,000	1.05E-01
216	1.389E-05	0.00044065	6.05E-04	2.67E-07	14.00	4.71E-02	1.76E-07	1,000,000	1.76E-01
217	1.389E-05	0.00035299	6.05E-04	2.14E-07	14.00	4.71E-02	1.41E-07	1,000,000	1.41E-01

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.389E-05	6.2983E-05	6.05E-04	3.81E-08	14.00	4.71E-02	2.52E-08	1,000,000	2.52E-02
219	1.389E-05	4.6862E-05	6.05E-04	2.84E-08	14.00	4.71E-02	1.87E-08	1,000,000	1.87E-02
220	1.389E-05	3.6226E-05	6.05E-04	2.19E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
221	1.389E-05	2.8869E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
222	1.389E-05	2.3576E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.41E-09	1,000,000	9.41E-03
223	1.389E-05	1.9647E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.85E-09	1,000,000	7.85E-03
224	1.389E-05	1.6652E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.65E-09	1,000,000	6.65E-03
225	1.389E-05	1.4318E-05	6.05E-04	8.66E-09	14.00	4.71E-02	5.72E-09	1,000,000	5.72E-03
226	1.389E-05	1.247E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
227	1.389E-05	1.3342E-05	6.05E-04	8.07E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
228	1.389E-05	1.6499E-05	6.05E-04	9.98E-09	14.00	4.71E-02	6.59E-09	1,000,000	6.59E-03
229	1.389E-05	2.0877E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.34E-09	1,000,000	8.34E-03
230	1.389E-05	2.7638E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
231	1.389E-05	3.8072E-05	6.05E-04	2.30E-08	14.00	4.71E-02	1.52E-08	1,000,000	1.52E-02
232	1.389E-05	5.2913E-05	6.05E-04	3.20E-08	14.00	4.71E-02	2.11E-08	1,000,000	2.11E-02
233	1.389E-05	8.24E-05	6.05E-04	4.99E-08	14.00	4.71E-02	3.29E-08	1,000,000	3.29E-02
234	1.389E-05	0.00011857	6.05E-04	7.17E-08	14.00	4.71E-02	4.73E-08	1,000,000	4.73E-02
235	1.389E-05	0.0001547	6.05E-04	9.36E-08	14.00	4.71E-02	6.18E-08	1,000,000	6.18E-02
236	1.389E-05	0.00015293	6.05E-04	9.25E-08	14.00	4.71E-02	6.11E-08	1,000,000	6.11E-02
237	1.389E-05	0.00012586	6.05E-04	7.62E-08	14.00	4.71E-02	5.03E-08	1,000,000	5.03E-02
238	1.389E-05	9.4679E-05	6.05E-04	5.73E-08	14.00	4.71E-02	3.78E-08	1,000,000	3.78E-02
239	1.389E-05	7.1067E-05	6.05E-04	4.30E-08	14.00	4.71E-02	2.84E-08	1,000,000	2.84E-02
240	1.389E-05	5.4249E-05	6.05E-04	3.28E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
241	1.389E-05	4.2343E-05	6.05E-04	2.56E-08	14.00	4.71E-02	1.69E-08	1,000,000	1.69E-02
242	1.389E-05	3.3799E-05	6.05E-04	2.05E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
243	1.389E-05	2.7529E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
244	1.389E-05	2.2827E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.12E-09	1,000,000	9.12E-03
245	1.389E-05	1.9234E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.68E-09	1,000,000	7.68E-03
246	1.389E-05	1.6432E-05	6.05E-04	9.94E-09	14.00	4.71E-02	6.56E-09	1,000,000	6.56E-03
247	1.389E-05	1.421E-05	6.05E-04	8.60E-09	14.00	4.71E-02	5.67E-09	1,000,000	5.67E-03
248	1.389E-05	1.2426E-05	6.05E-04	7.52E-09	14.00	4.71E-02	4.96E-09	1,000,000	4.96E-03
249	1.389E-05	1.1469E-05	6.05E-04	6.94E-09	14.00	4.71E-02	4.58E-09	1,000,000	4.58E-03
250	1.389E-05	1.3778E-05	6.05E-04	8.34E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.389E-05	1.6821E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
252	1.389E-05	2.1546E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.60E-09	1,000,000	8.60E-03
253	1.389E-05	2.7754E-05	6.05E-04	1.68E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
254	1.389E-05	3.8131E-05	6.05E-04	2.31E-08	14.00	4.71E-02	1.52E-08	1,000,000	1.52E-02
255	1.389E-05	5.013E-05	6.05E-04	3.03E-08	14.00	4.71E-02	2.00E-08	1,000,000	2.00E-02
256	1.389E-05	6.7776E-05	6.05E-04	4.10E-08	14.00	4.71E-02	2.71E-08	1,000,000	2.71E-02
257	1.389E-05	7.7393E-05	6.05E-04	4.68E-08	14.00	4.71E-02	3.09E-08	1,000,000	3.09E-02
258	1.389E-05	7.8529E-05	6.05E-04	4.75E-08	14.00	4.71E-02	3.14E-08	1,000,000	3.14E-02
259	1.389E-05	7.6468E-05	6.05E-04	4.63E-08	14.00	4.71E-02	3.05E-08	1,000,000	3.05E-02
260	1.389E-05	6.6596E-05	6.05E-04	4.03E-08	14.00	4.71E-02	2.66E-08	1,000,000	2.66E-02
261	1.389E-05	5.4417E-05	6.05E-04	3.29E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
262	1.389E-05	4.4332E-05	6.05E-04	2.68E-08	14.00	4.71E-02	1.77E-08	1,000,000	1.77E-02
263	1.389E-05	3.6346E-05	6.05E-04	2.20E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
264	1.389E-05	3.0098E-05	6.05E-04	1.82E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
265	1.389E-05	2.5203E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
266	1.389E-05	2.1338E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.52E-09	1,000,000	8.52E-03
267	1.389E-05	1.8269E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.30E-09	1,000,000	7.30E-03
268	1.389E-05	1.5799E-05	6.05E-04	9.56E-09	14.00	4.71E-02	6.31E-09	1,000,000	6.31E-03
269	1.389E-05	1.3791E-05	6.05E-04	8.34E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
270	1.389E-05	1.2145E-05	6.05E-04	7.35E-09	14.00	4.71E-02	4.85E-09	1,000,000	4.85E-03
271	1.389E-05	9.5952E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03
272	1.389E-05	1.1245E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
273	1.389E-05	1.3524E-05	6.05E-04	8.18E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03
274	1.389E-05	1.6449E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
275	1.389E-05	2.0316E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.11E-09	1,000,000	8.11E-03
276	1.389E-05	2.5845E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
277	1.389E-05	3.2369E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
278	1.389E-05	3.8628E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
279	1.389E-05	4.5055E-05	6.05E-04	2.73E-08	14.00	4.71E-02	1.80E-08	1,000,000	1.80E-02
280	1.389E-05	4.8271E-05	6.05E-04	2.92E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
281	1.389E-05	4.8598E-05	6.05E-04	2.94E-08	14.00	4.71E-02	1.94E-08	1,000,000	1.94E-02
282	1.389E-05	4.7065E-05	6.05E-04	2.85E-08	14.00	4.71E-02	1.88E-08	1,000,000	1.88E-02
283	1.389E-05	4.1929E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.67E-08	1,000,000	1.67E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.389E-05	3.5701E-05	6.05E-04	2.16E-08	14.00	4.71E-02	1.43E-08	1,000,000	1.43E-02
285	1.389E-05	3.0498E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
286	1.389E-05	2.6103E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
287	1.389E-05	2.2456E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.97E-09	1,000,000	8.97E-03
288	1.389E-05	1.9442E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.76E-09	1,000,000	7.76E-03
289	1.389E-05	1.6939E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.76E-09	1,000,000	6.76E-03
290	1.389E-05	1.4861E-05	6.05E-04	8.99E-09	14.00	4.71E-02	5.93E-09	1,000,000	5.93E-03
291	1.389E-05	1.3124E-05	6.05E-04	7.94E-09	14.00	4.71E-02	5.24E-09	1,000,000	5.24E-03
292	1.389E-05	1.1664E-05	6.05E-04	7.06E-09	14.00	4.71E-02	4.66E-09	1,000,000	4.66E-03
293	1.389E-05	8.0784E-06	6.05E-04	4.89E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
294	1.389E-05	9.3495E-06	6.05E-04	5.66E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
295	1.389E-05	1.0899E-05	6.05E-04	6.59E-09	14.00	4.71E-02	4.35E-09	1,000,000	4.35E-03
296	1.389E-05	1.2705E-05	6.05E-04	7.69E-09	14.00	4.71E-02	5.07E-09	1,000,000	5.07E-03
297	1.389E-05	1.5361E-05	6.05E-04	9.29E-09	14.00	4.71E-02	6.13E-09	1,000,000	6.13E-03
298	1.389E-05	1.8406E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.35E-09	1,000,000	7.35E-03
299	1.389E-05	2.1981E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.78E-09	1,000,000	8.78E-03
300	1.389E-05	2.6394E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
301	1.389E-05	2.8681E-05	6.05E-04	1.74E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
302	1.389E-05	3.206E-05	6.05E-04	1.94E-08	14.00	4.71E-02	1.28E-08	1,000,000	1.28E-02
303	1.389E-05	3.3413E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
304	1.389E-05	3.3398E-05	6.05E-04	2.02E-08	14.00	4.71E-02	1.33E-08	1,000,000	1.33E-02
305	1.389E-05	3.1343E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
306	1.389E-05	2.7917E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
307	1.389E-05	2.5289E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
308	1.389E-05	2.2854E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.13E-09	1,000,000	9.13E-03
309	1.389E-05	1.9768E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.89E-09	1,000,000	7.89E-03
310	1.389E-05	1.7441E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.96E-09	1,000,000	6.96E-03
311	1.389E-05	1.5454E-05	6.05E-04	9.35E-09	14.00	4.71E-02	6.17E-09	1,000,000	6.17E-03
312	1.389E-05	1.3757E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
313	1.389E-05	1.2294E-05	6.05E-04	7.44E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
314	1.389E-05	1.1038E-05	6.05E-04	6.68E-09	14.00	4.71E-02	4.41E-09	1,000,000	4.41E-03
315	1.389E-05	6.6717E-06	6.05E-04	4.04E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
316	1.389E-05	7.6294E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.389E-05	8.7211E-06	6.05E-04	5.28E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
318	1.389E-05	9.9649E-06	6.05E-04	6.03E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
319	1.389E-05	1.1323E-05	6.05E-04	6.85E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
320	1.389E-05	1.3801E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
321	1.389E-05	1.5734E-05	6.05E-04	9.52E-09	14.00	4.71E-02	6.28E-09	1,000,000	6.28E-03
322	1.389E-05	1.8011E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.19E-09	1,000,000	7.19E-03
323	1.389E-05	2.0572E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.22E-09	1,000,000	8.22E-03
324	1.389E-05	2.2377E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.94E-09	1,000,000	8.94E-03
325	1.389E-05	2.3791E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.50E-09	1,000,000	9.50E-03
326	1.389E-05	2.4527E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.79E-09	1,000,000	9.79E-03
327	1.389E-05	2.6517E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
328	1.389E-05	2.1429E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.56E-09	1,000,000	8.56E-03
329	1.389E-05	1.9989E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.98E-09	1,000,000	7.98E-03
330	1.389E-05	1.8854E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.53E-09	1,000,000	7.53E-03
331	1.389E-05	1.7507E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.99E-09	1,000,000	6.99E-03
332	1.389E-05	1.5975E-05	6.05E-04	9.67E-09	14.00	4.71E-02	6.38E-09	1,000,000	6.38E-03
333	1.389E-05	1.4578E-05	6.05E-04	8.82E-09	14.00	4.71E-02	5.82E-09	1,000,000	5.82E-03
334	1.389E-05	1.2603E-05	6.05E-04	7.63E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
335	1.389E-05	1.1393E-05	6.05E-04	6.89E-09	14.00	4.71E-02	4.55E-09	1,000,000	4.55E-03
336	1.389E-05	1.0331E-05	6.05E-04	6.25E-09	14.00	4.71E-02	4.13E-09	1,000,000	4.13E-03
337	1.389E-05	5.6926E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
338	1.389E-05	6.3672E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
339	1.389E-05	7.0577E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
340	1.389E-05	8.073E-06	6.05E-04	4.88E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
341	1.389E-05	9.0217E-06	6.05E-04	5.46E-09	14.00	4.71E-02	3.60E-09	1,000,000	3.60E-03
342	1.389E-05	1.0653E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
343	1.389E-05	1.1823E-05	6.05E-04	7.15E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
344	1.389E-05	1.3384E-05	6.05E-04	8.10E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
345	1.389E-05	1.4892E-05	6.05E-04	9.01E-09	14.00	4.71E-02	5.95E-09	1,000,000	5.95E-03
346	1.389E-05	1.6578E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.62E-09	1,000,000	6.62E-03
347	1.389E-05	1.7306E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.91E-09	1,000,000	6.91E-03
348	1.389E-05	1.7979E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
349	1.389E-05	1.6213E-05	6.05E-04	9.81E-09	14.00	4.71E-02	6.47E-09	1,000,000	6.47E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.389E-05	1.5869E-05	6.05E-04	9.60E-09	14.00	4.71E-02	6.34E-09	1,000,000	6.34E-03
351	1.389E-05	1.5535E-05	6.05E-04	9.40E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
352	1.389E-05	1.4666E-05	6.05E-04	8.87E-09	14.00	4.71E-02	5.86E-09	1,000,000	5.86E-03
353	1.389E-05	1.4577E-05	6.05E-04	8.82E-09	14.00	4.71E-02	5.82E-09	1,000,000	5.82E-03
354	1.389E-05	1.3805E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
355	1.389E-05	1.3116E-05	6.05E-04	7.94E-09	14.00	4.71E-02	5.24E-09	1,000,000	5.24E-03
356	1.389E-05	1.1902E-05	6.05E-04	7.20E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
357	1.389E-05	1.1023E-05	6.05E-04	6.67E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
358	1.389E-05	9.9995E-06	6.05E-04	6.05E-09	14.00	4.71E-02	3.99E-09	1,000,000	3.99E-03
359	1.389E-05	4.7832E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
360	1.389E-05	5.3291E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
361	1.389E-05	5.894E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
362	1.389E-05	6.5367E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
363	1.389E-05	7.1897E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
364	1.389E-05	8.1777E-06	6.05E-04	4.95E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
365	1.389E-05	9.211E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
366	1.389E-05	1.0337E-05	6.05E-04	6.25E-09	14.00	4.71E-02	4.13E-09	1,000,000	4.13E-03
367	1.389E-05	1.1647E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
368	1.389E-05	1.2476E-05	6.05E-04	7.55E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
369	1.389E-05	1.278E-05	6.05E-04	7.73E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
370	1.389E-05	1.2594E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
371	1.389E-05	1.2668E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
372	1.389E-05	1.2463E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
373	1.389E-05	1.1924E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
374	1.389E-05	1.144E-05	6.05E-04	6.92E-09	14.00	4.71E-02	4.57E-09	1,000,000	4.57E-03
375	1.389E-05	1.1607E-05	6.05E-04	7.02E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
376	1.389E-05	1.1307E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.52E-09	1,000,000	4.52E-03
377	1.389E-05	1.1067E-05	6.05E-04	6.70E-09	14.00	4.71E-02	4.42E-09	1,000,000	4.42E-03
378	1.389E-05	1.0804E-05	6.05E-04	6.54E-09	14.00	4.71E-02	4.31E-09	1,000,000	4.31E-03
379	1.389E-05	9.9283E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
380	1.389E-05	9.4286E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
381	1.389E-05	2.0208E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.07E-09	1,000,000	8.07E-03
382	1.389E-05	2.3344E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.32E-09	1,000,000	9.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.389E-05	2.6948E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
384	1.389E-05	3.0898E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
385	1.389E-05	3.4883E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
386	1.389E-05	3.8273E-05	6.05E-04	2.32E-08	14.00	4.71E-02	1.53E-08	1,000,000	1.53E-02
387	1.389E-05	4.029E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
388	1.389E-05	4.0431E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
389	1.389E-05	3.8592E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
390	1.389E-05	3.5322E-05	6.05E-04	2.14E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
391	1.389E-05	3.1376E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
392	1.389E-05	2.7404E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
393	1.389E-05	2.3751E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.48E-09	1,000,000	9.48E-03
394	1.389E-05	2.059E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.22E-09	1,000,000	8.22E-03
395	1.389E-05	1.7858E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.13E-09	1,000,000	7.13E-03
396	1.389E-05	1.5579E-05	6.05E-04	9.43E-09	14.00	4.71E-02	6.22E-09	1,000,000	6.22E-03
397	1.389E-05	1.3679E-05	6.05E-04	8.28E-09	14.00	4.71E-02	5.46E-09	1,000,000	5.46E-03
398	1.389E-05	1.2083E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
399	1.389E-05	2.2899E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.14E-09	1,000,000	9.14E-03
400	1.389E-05	2.7157E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
401	1.389E-05	3.2379E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
402	1.389E-05	3.8541E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
403	1.389E-05	4.5269E-05	6.05E-04	2.74E-08	14.00	4.71E-02	1.81E-08	1,000,000	1.81E-02
404	1.389E-05	5.1487E-05	6.05E-04	3.12E-08	14.00	4.71E-02	2.06E-08	1,000,000	2.06E-02
405	1.389E-05	5.556E-05	6.05E-04	3.36E-08	14.00	4.71E-02	2.22E-08	1,000,000	2.22E-02
406	1.389E-05	5.5892E-05	6.05E-04	3.38E-08	14.00	4.71E-02	2.23E-08	1,000,000	2.23E-02
407	1.389E-05	5.2272E-05	6.05E-04	3.16E-08	14.00	4.71E-02	2.09E-08	1,000,000	2.09E-02
408	1.389E-05	4.6247E-05	6.05E-04	2.80E-08	14.00	4.71E-02	1.85E-08	1,000,000	1.85E-02
409	1.389E-05	3.9482E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
410	1.389E-05	3.3167E-05	6.05E-04	2.01E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
411	1.389E-05	2.7871E-05	6.05E-04	1.69E-08	14.00	4.71E-02	1.11E-08	1,000,000	1.11E-02
412	1.389E-05	2.3558E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.41E-09	1,000,000	9.41E-03
413	1.389E-05	2.0024E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.00E-09	1,000,000	8.00E-03
414	1.389E-05	1.7188E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.86E-09	1,000,000	6.86E-03
415	1.389E-05	1.4884E-05	6.05E-04	9.01E-09	14.00	4.71E-02	5.94E-09	1,000,000	5.94E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.389E-05	1.2976E-05	6.05E-04	7.85E-09	14.00	4.71E-02	5.18E-09	1,000,000	5.18E-03
417	1.389E-05	2.5749E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
418	1.389E-05	3.1434E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
419	1.389E-05	3.8931E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
420	1.389E-05	4.8666E-05	6.05E-04	2.94E-08	14.00	4.71E-02	1.94E-08	1,000,000	1.94E-02
421	1.389E-05	6.0679E-05	6.05E-04	3.67E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
422	1.389E-05	7.3627E-05	6.05E-04	4.45E-08	14.00	4.71E-02	2.94E-08	1,000,000	2.94E-02
423	1.389E-05	8.3278E-05	6.05E-04	5.04E-08	14.00	4.71E-02	3.33E-08	1,000,000	3.33E-02
424	1.389E-05	8.4147E-05	6.05E-04	5.09E-08	14.00	4.71E-02	3.36E-08	1,000,000	3.36E-02
425	1.389E-05	7.5505E-05	6.05E-04	4.57E-08	14.00	4.71E-02	3.02E-08	1,000,000	3.02E-02
426	1.389E-05	6.284E-05	6.05E-04	3.80E-08	14.00	4.71E-02	2.51E-08	1,000,000	2.51E-02
427	1.389E-05	5.046E-05	6.05E-04	3.05E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
428	1.389E-05	4.0441E-05	6.05E-04	2.45E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
429	1.389E-05	3.2718E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
430	1.389E-05	2.6826E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
431	1.389E-05	2.2335E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.92E-09	1,000,000	8.92E-03
432	1.389E-05	1.8864E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.53E-09	1,000,000	7.53E-03
433	1.389E-05	1.6176E-05	6.05E-04	9.79E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
434	1.389E-05	1.3974E-05	6.05E-04	8.46E-09	14.00	4.71E-02	5.58E-09	1,000,000	5.58E-03
435	1.389E-05	2.8497E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
436	1.389E-05	3.585E-05	6.05E-04	2.17E-08	14.00	4.71E-02	1.43E-08	1,000,000	1.43E-02
437	1.389E-05	4.6345E-05	6.05E-04	2.80E-08	14.00	4.71E-02	1.85E-08	1,000,000	1.85E-02
438	1.389E-05	6.1574E-05	6.05E-04	3.73E-08	14.00	4.71E-02	2.46E-08	1,000,000	2.46E-02
439	1.389E-05	8.3742E-05	6.05E-04	5.07E-08	14.00	4.71E-02	3.34E-08	1,000,000	3.34E-02
440	1.389E-05	0.00011338	6.05E-04	6.86E-08	14.00	4.71E-02	4.53E-08	1,000,000	4.53E-02
441	1.389E-05	0.00014154	6.05E-04	8.56E-08	14.00	4.71E-02	5.65E-08	1,000,000	5.65E-02
442	1.389E-05	0.00014484	6.05E-04	8.76E-08	14.00	4.71E-02	5.78E-08	1,000,000	5.78E-02
443	1.389E-05	0.00011944	6.05E-04	7.23E-08	14.00	4.71E-02	4.77E-08	1,000,000	4.77E-02
444	1.389E-05	8.8931E-05	6.05E-04	5.38E-08	14.00	4.71E-02	3.55E-08	1,000,000	3.55E-02
445	1.389E-05	6.549E-05	6.05E-04	3.96E-08	14.00	4.71E-02	2.62E-08	1,000,000	2.62E-02
446	1.389E-05	4.9359E-05	6.05E-04	2.99E-08	14.00	4.71E-02	1.97E-08	1,000,000	1.97E-02
447	1.389E-05	3.8279E-05	6.05E-04	2.32E-08	14.00	4.71E-02	1.53E-08	1,000,000	1.53E-02
448	1.389E-05	3.0429E-05	6.05E-04	1.84E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.389E-05	2.4822E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.91E-09	1,000,000	9.91E-03
450	1.389E-05	2.0663E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.25E-09	1,000,000	8.25E-03
451	1.389E-05	1.7412E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.95E-09	1,000,000	6.95E-03
452	1.389E-05	1.4943E-05	6.05E-04	9.04E-09	14.00	4.71E-02	5.97E-09	1,000,000	5.97E-03
453	1.389E-05	3.0812E-05	6.05E-04	1.86E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
454	1.389E-05	3.9792E-05	6.05E-04	2.41E-08	14.00	4.71E-02	1.59E-08	1,000,000	1.59E-02
455	1.389E-05	5.3604E-05	6.05E-04	3.24E-08	14.00	4.71E-02	2.14E-08	1,000,000	2.14E-02
456	1.389E-05	7.6166E-05	6.05E-04	4.61E-08	14.00	4.71E-02	3.04E-08	1,000,000	3.04E-02
457	1.389E-05	0.00011578	6.05E-04	7.01E-08	14.00	4.71E-02	4.62E-08	1,000,000	4.62E-02
458	1.389E-05	0.0001893	6.05E-04	1.15E-07	14.00	4.71E-02	7.56E-08	1,000,000	7.56E-02
459	1.389E-05	0.00030649	6.05E-04	1.85E-07	14.00	4.71E-02	1.22E-07	1,000,000	1.22E-01
460	1.389E-05	0.00032758	6.05E-04	1.98E-07	14.00	4.71E-02	1.31E-07	1,000,000	1.31E-01
461	1.389E-05	0.00021116	6.05E-04	1.28E-07	14.00	4.71E-02	8.43E-08	1,000,000	8.43E-02
462	1.389E-05	0.00012962	6.05E-04	7.84E-08	14.00	4.71E-02	5.18E-08	1,000,000	5.18E-02
463	1.389E-05	8.5206E-05	6.05E-04	5.16E-08	14.00	4.71E-02	3.40E-08	1,000,000	3.40E-02
464	1.389E-05	5.9876E-05	6.05E-04	3.62E-08	14.00	4.71E-02	2.39E-08	1,000,000	2.39E-02
465	1.389E-05	4.4405E-05	6.05E-04	2.69E-08	14.00	4.71E-02	1.77E-08	1,000,000	1.77E-02
466	1.389E-05	3.4332E-05	6.05E-04	2.08E-08	14.00	4.71E-02	1.37E-08	1,000,000	1.37E-02
467	1.389E-05	2.7418E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
468	1.389E-05	2.244E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.96E-09	1,000,000	8.96E-03
469	1.389E-05	1.874E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.48E-09	1,000,000	7.48E-03
470	1.389E-05	1.5921E-05	6.05E-04	9.63E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
471	1.389E-05	2.924E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
472	1.389E-05	4.0321E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
473	1.389E-05	5.8891E-05	6.05E-04	3.56E-08	14.00	4.71E-02	2.35E-08	1,000,000	2.35E-02
474	1.389E-05	8.8052E-05	6.05E-04	5.33E-08	14.00	4.71E-02	3.52E-08	1,000,000	3.52E-02
475	1.389E-05	0.0001482	6.05E-04	8.97E-08	14.00	4.71E-02	5.92E-08	1,000,000	5.92E-02
476	1.389E-05	3.8162E-05	6.05E-04	2.31E-08	14.00	4.71E-02	1.52E-08	1,000,000	1.52E-02
477	1.389E-05	2.9834E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
478	1.389E-05	2.4186E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.66E-09	1,000,000	9.66E-03
479	1.389E-05	2.0006E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.99E-09	1,000,000	7.99E-03
480	1.389E-05	1.6842E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.73E-09	1,000,000	6.73E-03
481	1.389E-05	2.722E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.389E-05	3.78E-05	6.05E-04	2.29E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
483	1.389E-05	5.4234E-05	6.05E-04	3.28E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
484	1.389E-05	8.5153E-05	6.05E-04	5.15E-08	14.00	4.71E-02	3.40E-08	1,000,000	3.40E-02
485	1.389E-05	0.00015956	6.05E-04	9.65E-08	14.00	4.71E-02	6.37E-08	1,000,000	6.37E-02
486	1.389E-05	4.0966E-05	6.05E-04	2.48E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
487	1.389E-05	3.183E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
488	1.389E-05	2.5494E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
489	1.389E-05	2.0984E-05	6.05E-04	1.27E-08	14.00	4.71E-02	8.38E-09	1,000,000	8.38E-03
490	1.389E-05	1.7597E-05	6.05E-04	1.06E-08	14.00	4.71E-02	7.03E-09	1,000,000	7.03E-03
491	1.389E-05	2.4162E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.65E-09	1,000,000	9.65E-03
492	1.389E-05	3.308E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
493	1.389E-05	4.6077E-05	6.05E-04	2.79E-08	14.00	4.71E-02	1.84E-08	1,000,000	1.84E-02
494	1.389E-05	7.0159E-05	6.05E-04	4.25E-08	14.00	4.71E-02	2.80E-08	1,000,000	2.80E-02
495	1.389E-05	0.00012124	6.05E-04	7.34E-08	14.00	4.71E-02	4.84E-08	1,000,000	4.84E-02
496	1.389E-05	0.00091082	6.05E-04	5.51E-07	14.00	4.71E-02	3.64E-07	1,000,000	3.64E-01
497	1.389E-05	0.00038888	6.05E-04	2.35E-07	14.00	4.71E-02	1.55E-07	1,000,000	1.55E-01
498	1.389E-05	5.5576E-05	6.05E-04	3.36E-08	14.00	4.71E-02	2.22E-08	1,000,000	2.22E-02
499	1.389E-05	4.1764E-05	6.05E-04	2.53E-08	14.00	4.71E-02	1.67E-08	1,000,000	1.67E-02
500	1.389E-05	3.251E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
501	1.389E-05	2.611E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
502	1.389E-05	2.147E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.57E-09	1,000,000	8.57E-03
503	1.389E-05	1.8008E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.19E-09	1,000,000	7.19E-03
504	1.389E-05	2.0405E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.15E-09	1,000,000	8.15E-03
505	1.389E-05	2.6258E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
506	1.389E-05	3.7736E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
507	1.389E-05	5.29E-05	6.05E-04	3.20E-08	14.00	4.71E-02	2.11E-08	1,000,000	2.11E-02
508	1.389E-05	8.4654E-05	6.05E-04	5.12E-08	14.00	4.71E-02	3.38E-08	1,000,000	3.38E-02
509	1.389E-05	0.00013395	6.05E-04	8.11E-08	14.00	4.71E-02	5.35E-08	1,000,000	5.35E-02
510	1.389E-05	0.00021056	6.05E-04	1.27E-07	14.00	4.71E-02	8.41E-08	1,000,000	8.41E-02
511	1.389E-05	0.00024144	6.05E-04	1.46E-07	14.00	4.71E-02	9.64E-08	1,000,000	9.64E-02
512	1.389E-05	0.000195	6.05E-04	1.18E-07	14.00	4.71E-02	7.79E-08	1,000,000	7.79E-02
513	1.389E-05	0.0001358	6.05E-04	8.22E-08	14.00	4.71E-02	5.42E-08	1,000,000	5.42E-02
514	1.389E-05	9.4928E-05	6.05E-04	5.74E-08	14.00	4.71E-02	3.79E-08	1,000,000	3.79E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.389E-05	6.8534E-05	6.05E-04	4.15E-08	14.00	4.71E-02	2.74E-08	1,000,000	2.74E-02
516	1.389E-05	5.1288E-05	6.05E-04	3.10E-08	14.00	4.71E-02	2.05E-08	1,000,000	2.05E-02
517	1.389E-05	3.9644E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
518	1.389E-05	3.1513E-05	6.05E-04	1.91E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
519	1.389E-05	2.5643E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
520	1.389E-05	2.1281E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.50E-09	1,000,000	8.50E-03
521	1.389E-05	1.7962E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.17E-09	1,000,000	7.17E-03
522	1.389E-05	1.6719E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.68E-09	1,000,000	6.68E-03
523	1.389E-05	2.1662E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.65E-09	1,000,000	8.65E-03
524	1.389E-05	2.866E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
525	1.389E-05	3.8449E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
526	1.389E-05	5.0626E-05	6.05E-04	3.06E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
527	1.389E-05	7.5885E-05	6.05E-04	4.59E-08	14.00	4.71E-02	3.03E-08	1,000,000	3.03E-02
528	1.389E-05	9.7156E-05	6.05E-04	5.88E-08	14.00	4.71E-02	3.88E-08	1,000,000	3.88E-02
529	1.389E-05	0.00010746	6.05E-04	6.50E-08	14.00	4.71E-02	4.29E-08	1,000,000	4.29E-02
530	1.389E-05	0.00010494	6.05E-04	6.35E-08	14.00	4.71E-02	4.19E-08	1,000,000	4.19E-02
531	1.389E-05	8.8873E-05	6.05E-04	5.38E-08	14.00	4.71E-02	3.55E-08	1,000,000	3.55E-02
532	1.389E-05	7.0197E-05	6.05E-04	4.25E-08	14.00	4.71E-02	2.80E-08	1,000,000	2.80E-02
533	1.389E-05	5.5295E-05	6.05E-04	3.35E-08	14.00	4.71E-02	2.21E-08	1,000,000	2.21E-02
534	1.389E-05	4.3959E-05	6.05E-04	2.66E-08	14.00	4.71E-02	1.76E-08	1,000,000	1.76E-02
535	1.389E-05	3.5464E-05	6.05E-04	2.15E-08	14.00	4.71E-02	1.42E-08	1,000,000	1.42E-02
536	1.389E-05	2.9057E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
537	1.389E-05	2.4165E-05	6.05E-04	1.46E-08	14.00	4.71E-02	9.65E-09	1,000,000	9.65E-03
538	1.389E-05	2.0384E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.14E-09	1,000,000	8.14E-03
539	1.389E-05	1.7408E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.95E-09	1,000,000	6.95E-03
540	1.389E-05	1.3672E-05	6.05E-04	8.27E-09	14.00	4.71E-02	5.46E-09	1,000,000	5.46E-03
541	1.389E-05	1.7057E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.81E-09	1,000,000	6.81E-03
542	1.389E-05	2.1466E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.57E-09	1,000,000	8.57E-03
543	1.389E-05	2.7306E-05	6.05E-04	1.65E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
544	1.389E-05	3.6061E-05	6.05E-04	2.18E-08	14.00	4.71E-02	1.44E-08	1,000,000	1.44E-02
545	1.389E-05	4.467E-05	6.05E-04	2.70E-08	14.00	4.71E-02	1.78E-08	1,000,000	1.78E-02
546	1.389E-05	5.501E-05	6.05E-04	3.33E-08	14.00	4.71E-02	2.20E-08	1,000,000	2.20E-02
547	1.389E-05	6.0257E-05	6.05E-04	3.65E-08	14.00	4.71E-02	2.41E-08	1,000,000	2.41E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.389E-05	6.1602E-05	6.05E-04	3.73E-08	14.00	4.71E-02	2.46E-08	1,000,000	2.46E-02
549	1.389E-05	5.8757E-05	6.05E-04	3.56E-08	14.00	4.71E-02	2.35E-08	1,000,000	2.35E-02
550	1.389E-05	5.2035E-05	6.05E-04	3.15E-08	14.00	4.71E-02	2.08E-08	1,000,000	2.08E-02
551	1.389E-05	4.3616E-05	6.05E-04	2.64E-08	14.00	4.71E-02	1.74E-08	1,000,000	1.74E-02
552	1.389E-05	3.6417E-05	6.05E-04	2.20E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02
553	1.389E-05	3.0573E-05	6.05E-04	1.85E-08	14.00	4.71E-02	1.22E-08	1,000,000	1.22E-02
554	1.389E-05	2.5852E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
555	1.389E-05	2.2045E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.80E-09	1,000,000	8.80E-03
556	1.389E-05	1.8957E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.57E-09	1,000,000	7.57E-03
557	1.389E-05	1.6442E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
558	1.389E-05	1.1204E-05	6.05E-04	6.78E-09	14.00	4.71E-02	4.47E-09	1,000,000	4.47E-03
559	1.389E-05	1.3576E-05	6.05E-04	8.21E-09	14.00	4.71E-02	5.42E-09	1,000,000	5.42E-03
560	1.389E-05	1.6022E-05	6.05E-04	9.69E-09	14.00	4.71E-02	6.40E-09	1,000,000	6.40E-03
561	1.389E-05	1.9667E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.85E-09	1,000,000	7.85E-03
562	1.389E-05	2.338E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.34E-09	1,000,000	9.34E-03
563	1.389E-05	2.8029E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
564	1.389E-05	3.4018E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
565	1.389E-05	3.7253E-05	6.05E-04	2.25E-08	14.00	4.71E-02	1.49E-08	1,000,000	1.49E-02
566	1.389E-05	4.0343E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
567	1.389E-05	3.9623E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
568	1.389E-05	3.8478E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
569	1.389E-05	3.3588E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
570	1.389E-05	2.9779E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
571	1.389E-05	2.6484E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
572	1.389E-05	2.2592E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.02E-09	1,000,000	9.02E-03
573	1.389E-05	1.9706E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.87E-09	1,000,000	7.87E-03
574	1.389E-05	1.7274E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.90E-09	1,000,000	6.90E-03
575	1.389E-05	1.5226E-05	6.05E-04	9.21E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.39E-05	1.2667E-05	2.50E-04	3.17E-09	1.40E+01	1.57E-02	6.97E-10	1.0E+06	7.0E-04	1.0E-02	Res	0.727	199
2	1.389E-05	1.3989E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.70E-10	1,000,000	7.70E-04	1.1E-02			
3	1.389E-05	1.5417E-05	2.50E-04	3.86E-09	14.00	1.57E-02	8.49E-10	1,000,000	8.49E-04	1.2E-02			
4	1.389E-05	1.6905E-05	2.50E-04	4.23E-09	14.00	1.57E-02	9.31E-10	1,000,000	9.31E-04	1.3E-02			
5	1.389E-05	1.8402E-05	2.50E-04	4.61E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
6	1.389E-05	1.9806E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
7	1.389E-05	2.0958E-05	2.50E-04	5.25E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
8	1.389E-05	2.1737E-05	2.50E-04	5.44E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
9	1.389E-05	2.2053E-05	2.50E-04	5.52E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
10	1.389E-05	2.1816E-05	2.50E-04	5.46E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
11	1.389E-05	2.1065E-05	2.50E-04	5.27E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
12	1.389E-05	1.9922E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
13	1.389E-05	1.8529E-05	2.50E-04	4.64E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
14	1.389E-05	1.7025E-05	2.50E-04	4.26E-09	14.00	1.57E-02	9.37E-10	1,000,000	9.37E-04	1.4E-02			
15	1.389E-05	1.5518E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
16	1.389E-05	1.4064E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
17	1.389E-05	1.2743E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.02E-10	1,000,000	7.02E-04	1.0E-02			
18	1.389E-05	1.1537E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.35E-10	1,000,000	6.35E-04	9.2E-03			
19	1.389E-05	1.0444E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.75E-10	1,000,000	5.75E-04	8.3E-03			
20	1.389E-05	9.491E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.23E-10	1,000,000	5.23E-04	7.6E-03			
21	1.389E-05	8.6422E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.9E-03			
22	1.389E-05	7.8816E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.34E-10	1,000,000	4.34E-04	6.3E-03			
23	1.389E-05	1.4054E-05	2.50E-04	3.52E-09	14.00	1.57E-02	7.74E-10	1,000,000	7.74E-04	1.1E-02			
24	1.389E-05	1.5747E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.67E-10	1,000,000	8.67E-04	1.3E-02			
25	1.389E-05	1.7635E-05	2.50E-04	4.41E-09	14.00	1.57E-02	9.71E-10	1,000,000	9.71E-04	1.4E-02			
26	1.389E-05	1.9687E-05	2.50E-04	4.93E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.389E-05	2.1816E-05	2.50E-04	5.46E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
28	1.389E-05	2.3911E-05	2.50E-04	5.98E-09	14.00	1.57E-02	1.32E-09	1,000,000	1.32E-03	1.9E-02			
29	1.389E-05	2.5679E-05	2.50E-04	6.43E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
30	1.389E-05	2.695E-05	2.50E-04	6.74E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
31	1.389E-05	2.743E-05	2.50E-04	6.87E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
32	1.389E-05	2.7041E-05	2.50E-04	6.77E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.2E-02			
33	1.389E-05	2.5835E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
34	1.389E-05	2.41E-05	2.50E-04	6.03E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
35	1.389E-05	2.2052E-05	2.50E-04	5.52E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
36	1.389E-05	1.9923E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
37	1.389E-05	1.7799E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.80E-10	1,000,000	9.80E-04	1.4E-02			
38	1.389E-05	1.5885E-05	2.50E-04	3.98E-09	14.00	1.57E-02	8.75E-10	1,000,000	8.75E-04	1.3E-02			
39	1.389E-05	1.4202E-05	2.50E-04	3.55E-09	14.00	1.57E-02	7.82E-10	1,000,000	7.82E-04	1.1E-02			
40	1.389E-05	1.2699E-05	2.50E-04	3.18E-09	14.00	1.57E-02	6.99E-10	1,000,000	6.99E-04	1.0E-02			
41	1.389E-05	1.1373E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.26E-10	1,000,000	6.26E-04	9.1E-03			
42	1.389E-05	1.0218E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.63E-10	1,000,000	5.63E-04	8.1E-03			
43	1.389E-05	9.2136E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
44	1.389E-05	8.3819E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
45	1.389E-05	1.5573E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.57E-10	1,000,000	8.57E-04	1.2E-02			
46	1.389E-05	1.7736E-05	2.50E-04	4.44E-09	14.00	1.57E-02	9.77E-10	1,000,000	9.77E-04	1.4E-02			
47	1.389E-05	2.025E-05	2.50E-04	5.07E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
48	1.389E-05	2.3109E-05	2.50E-04	5.78E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
49	1.389E-05	2.6227E-05	2.50E-04	6.56E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
50	1.389E-05	2.9414E-05	2.50E-04	7.36E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.3E-02			
51	1.389E-05	3.2315E-05	2.50E-04	8.09E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
52	1.389E-05	3.4427E-05	2.50E-04	8.62E-09	14.00	1.57E-02	1.90E-09	1,000,000	1.90E-03	2.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.389E-05	3.5296E-05	2.50E-04	8.83E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
54	1.389E-05	3.4603E-05	2.50E-04	8.66E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
55	1.389E-05	3.2595E-05	2.50E-04	8.16E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.6E-02			
56	1.389E-05	2.9754E-05	2.50E-04	7.45E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
57	1.389E-05	2.6576E-05	2.50E-04	6.65E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
58	1.389E-05	2.3502E-05	2.50E-04	5.88E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
59	1.389E-05	2.0541E-05	2.50E-04	5.14E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
60	1.389E-05	1.7983E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.4E-02			
61	1.389E-05	1.5822E-05	2.50E-04	3.96E-09	14.00	1.57E-02	8.71E-10	1,000,000	8.71E-04	1.3E-02			
62	1.389E-05	1.3946E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.68E-10	1,000,000	7.68E-04	1.1E-02			
63	1.389E-05	1.2352E-05	2.50E-04	3.09E-09	14.00	1.57E-02	6.80E-10	1,000,000	6.80E-04	9.8E-03			
64	1.389E-05	1.1003E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.8E-03			
65	1.389E-05	9.8641E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.43E-10	1,000,000	5.43E-04	7.9E-03			
66	1.389E-05	8.8928E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.1E-03			
67	1.389E-05	1.7189E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.46E-10	1,000,000	9.46E-04	1.4E-02			
68	1.389E-05	1.9933E-05	2.50E-04	4.99E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
69	1.389E-05	2.327E-05	2.50E-04	5.82E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
70	1.389E-05	2.7262E-05	2.50E-04	6.82E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
71	1.389E-05	3.1914E-05	2.50E-04	7.99E-09	14.00	1.57E-02	1.76E-09	1,000,000	1.76E-03	2.5E-02			
72	1.389E-05	3.7018E-05	2.50E-04	9.26E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	2.9E-02			
73	1.389E-05	4.2023E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.31E-09	1,000,000	2.31E-03	3.3E-02			
74	1.389E-05	4.5863E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.53E-09	1,000,000	2.53E-03	3.7E-02			
75	1.389E-05	4.7467E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.61E-09	1,000,000	2.61E-03	3.8E-02			
76	1.389E-05	4.6243E-05	2.50E-04	1.16E-08	14.00	1.57E-02	2.55E-09	1,000,000	2.55E-03	3.7E-02			
77	1.389E-05	4.2626E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.35E-09	1,000,000	2.35E-03	3.4E-02			
78	1.389E-05	3.7774E-05	2.50E-04	9.45E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
79	1.389E-05	3.259E-05	2.50E-04	8.16E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.6E-02			
80	1.389E-05	2.7861E-05	2.50E-04	6.97E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
81	1.389E-05	2.378E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
82	1.389E-05	2.0421E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
83	1.389E-05	1.7598E-05	2.50E-04	4.40E-09	14.00	1.57E-02	9.69E-10	1,000,000	9.69E-04	1.4E-02			
84	1.389E-05	1.5299E-05	2.50E-04	3.83E-09	14.00	1.57E-02	8.42E-10	1,000,000	8.42E-04	1.2E-02			
85	1.389E-05	1.334E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.35E-10	1,000,000	7.35E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.389E-05	1.1811E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.50E-10	1,000,000	6.50E-04	9.4E-03			
87	1.389E-05	1.0501E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			
88	1.389E-05	9.4102E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
89	1.389E-05	1.8835E-05	2.50E-04	4.71E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
90	1.389E-05	2.2262E-05	2.50E-04	5.57E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
91	1.389E-05	2.663E-05	2.50E-04	6.66E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
92	1.389E-05	3.2202E-05	2.50E-04	8.06E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
93	1.389E-05	3.9214E-05	2.50E-04	9.81E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
94	1.389E-05	4.7628E-05	2.50E-04	1.19E-08	14.00	1.57E-02	2.62E-09	1,000,000	2.62E-03	3.8E-02			
95	1.389E-05	5.6812E-05	2.50E-04	1.42E-08	14.00	1.57E-02	3.13E-09	1,000,000	3.13E-03	4.5E-02			
96	1.389E-05	6.4731E-05	2.50E-04	1.62E-08	14.00	1.57E-02	3.56E-09	1,000,000	3.56E-03	5.2E-02			
97	1.389E-05	6.8363E-05	2.50E-04	1.71E-08	14.00	1.57E-02	3.76E-09	1,000,000	3.76E-03	5.4E-02			
98	1.389E-05	6.5682E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.62E-09	1,000,000	3.62E-03	5.2E-02			
99	1.389E-05	5.8126E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.20E-09	1,000,000	3.20E-03	4.6E-02			
100	1.389E-05	4.8984E-05	2.50E-04	1.23E-08	14.00	1.57E-02	2.70E-09	1,000,000	2.70E-03	3.9E-02			
101	1.389E-05	4.0383E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
102	1.389E-05	3.3208E-05	2.50E-04	8.31E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.6E-02			
103	1.389E-05	2.7526E-05	2.50E-04	6.89E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
104	1.389E-05	2.3026E-05	2.50E-04	5.76E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
105	1.389E-05	1.9519E-05	2.50E-04	4.89E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.6E-02			
106	1.389E-05	1.6715E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.20E-10	1,000,000	9.20E-04	1.3E-02			
107	1.389E-05	1.4455E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.96E-10	1,000,000	7.96E-04	1.2E-02			
108	1.389E-05	1.2637E-05	2.50E-04	3.16E-09	14.00	1.57E-02	6.96E-10	1,000,000	6.96E-04	1.0E-02			
109	1.389E-05	1.1148E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.9E-03			
110	1.389E-05	9.9342E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
111	1.389E-05	2.0394E-05	2.50E-04	5.10E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
112	1.389E-05	2.4577E-05	2.50E-04	6.15E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
113	1.389E-05	3.0155E-05	2.50E-04	7.55E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
114	1.389E-05	3.7755E-05	2.50E-04	9.45E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
115	1.389E-05	4.8223E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.66E-09	1,000,000	2.66E-03	3.8E-02			
116	1.389E-05	6.242E-05	2.50E-04	1.56E-08	14.00	1.57E-02	3.44E-09	1,000,000	3.44E-03	5.0E-02			
117	1.389E-05	8.0592E-05	2.50E-04	2.02E-08	14.00	1.57E-02	4.44E-09	1,000,000	4.44E-03	6.4E-02			
118	1.389E-05	9.9533E-05	2.50E-04	2.49E-08	14.00	1.57E-02	5.48E-09	1,000,000	5.48E-03	7.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.389E-05	0.00010947	2.50E-04	2.74E-08	14.00	1.57E-02	6.03E-09	1,000,000	6.03E-03	8.7E-02			
120	1.389E-05	0.00010232	2.50E-04	2.56E-08	14.00	1.57E-02	5.63E-09	1,000,000	5.63E-03	8.1E-02			
121	1.389E-05	8.4169E-05	2.50E-04	2.11E-08	14.00	1.57E-02	4.63E-09	1,000,000	4.63E-03	6.7E-02			
122	1.389E-05	6.5363E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.60E-09	1,000,000	3.60E-03	5.2E-02			
123	1.389E-05	5.0537E-05	2.50E-04	1.26E-08	14.00	1.57E-02	2.78E-09	1,000,000	2.78E-03	4.0E-02			
124	1.389E-05	3.9652E-05	2.50E-04	9.92E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.2E-02			
125	1.389E-05	3.1754E-05	2.50E-04	7.95E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
126	1.389E-05	2.5894E-05	2.50E-04	6.48E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
127	1.389E-05	2.1539E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
128	1.389E-05	1.8196E-05	2.50E-04	4.55E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.4E-02			
129	1.389E-05	1.5559E-05	2.50E-04	3.89E-09	14.00	1.57E-02	8.57E-10	1,000,000	8.57E-04	1.2E-02			
130	1.389E-05	1.3494E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.43E-10	1,000,000	7.43E-04	1.1E-02			
131	1.389E-05	1.1816E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.51E-10	1,000,000	6.51E-04	9.4E-03			
132	1.389E-05	1.0462E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
133	1.389E-05	2.1723E-05	2.50E-04	5.44E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
134	1.389E-05	2.6617E-05	2.50E-04	6.66E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
135	1.389E-05	3.3448E-05	2.50E-04	8.37E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
136	1.389E-05	4.3387E-05	2.50E-04	1.09E-08	14.00	1.57E-02	2.39E-09	1,000,000	2.39E-03	3.5E-02			
137	1.389E-05	5.8418E-05	2.50E-04	1.46E-08	14.00	1.57E-02	3.22E-09	1,000,000	3.22E-03	4.7E-02			
138	1.389E-05	8.2053E-05	2.50E-04	2.05E-08	14.00	1.57E-02	4.52E-09	1,000,000	4.52E-03	6.5E-02			
139	1.389E-05	0.00011973	2.50E-04	3.00E-08	14.00	1.57E-02	6.59E-09	1,000,000	6.59E-03	9.5E-02			
140	1.389E-05	0.00017402	2.50E-04	4.36E-08	14.00	1.57E-02	9.58E-09	1,000,000	9.58E-03	1.4E-01			
141	1.389E-05	0.00021307	2.50E-04	5.33E-08	14.00	1.57E-02	1.17E-08	1,000,000	1.17E-02	1.7E-01			
142	1.389E-05	0.00018493	2.50E-04	4.63E-08	14.00	1.57E-02	1.02E-08	1,000,000	1.02E-02	1.5E-01			
143	1.389E-05	0.00012969	2.50E-04	3.25E-08	14.00	1.57E-02	7.14E-09	1,000,000	7.14E-03	1.0E-01			
144	1.389E-05	8.8947E-05	2.50E-04	2.23E-08	14.00	1.57E-02	4.90E-09	1,000,000	4.90E-03	7.1E-02			
145	1.389E-05	6.3369E-05	2.50E-04	1.59E-08	14.00	1.57E-02	3.49E-09	1,000,000	3.49E-03	5.0E-02			
146	1.389E-05	4.7124E-05	2.50E-04	1.18E-08	14.00	1.57E-02	2.59E-09	1,000,000	2.59E-03	3.8E-02			
147	1.389E-05	3.6421E-05	2.50E-04	9.12E-09	14.00	1.57E-02	2.01E-09	1,000,000	2.01E-03	2.9E-02			
148	1.389E-05	2.8974E-05	2.50E-04	7.25E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
149	1.389E-05	2.368E-05	2.50E-04	5.93E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
150	1.389E-05	1.9695E-05	2.50E-04	4.93E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
151	1.389E-05	1.6669E-05	2.50E-04	4.17E-09	14.00	1.57E-02	9.18E-10	1,000,000	9.18E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.389E-05	1.4342E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.90E-10	1,000,000	7.90E-04	1.1E-02			
153	1.389E-05	1.2483E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
154	1.389E-05	1.0985E-05	2.50E-04	2.75E-09	14.00	1.57E-02	6.05E-10	1,000,000	6.05E-04	8.7E-03			
155	1.389E-05	2.0033E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
156	1.389E-05	2.5769E-05	2.50E-04	6.45E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
157	1.389E-05	3.6018E-05	2.50E-04	9.01E-09	14.00	1.57E-02	1.98E-09	1,000,000	1.98E-03	2.9E-02			
158	1.389E-05	4.8026E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.64E-09	1,000,000	2.64E-03	3.8E-02			
159	1.389E-05	6.7778E-05	2.50E-04	1.70E-08	14.00	1.57E-02	3.73E-09	1,000,000	3.73E-03	5.4E-02			
160	1.389E-05	0.0001035	2.50E-04	2.59E-08	14.00	1.57E-02	5.70E-09	1,000,000	5.70E-03	8.2E-02			
161	1.389E-05	0.00017725	2.50E-04	4.44E-08	14.00	1.57E-02	9.76E-09	1,000,000	9.76E-03	1.4E-01			
162	1.389E-05	0.00035707	2.50E-04	8.94E-08	14.00	1.57E-02	1.97E-08	1,000,000	1.97E-02	2.8E-01			
163	1.389E-05	0.00070409	2.50E-04	1.76E-07	14.00	1.57E-02	3.88E-08	1,000,000	3.88E-02	5.6E-01			
164	1.389E-05	0.00042696	2.50E-04	1.07E-07	14.00	1.57E-02	2.35E-08	1,000,000	2.35E-02	3.4E-01			
165	1.389E-05	0.00020999	2.50E-04	5.26E-08	14.00	1.57E-02	1.16E-08	1,000,000	1.16E-02	1.7E-01			
166	1.389E-05	0.00012127	2.50E-04	3.04E-08	14.00	1.57E-02	6.68E-09	1,000,000	6.68E-03	9.7E-02			
167	1.389E-05	7.8759E-05	2.50E-04	1.97E-08	14.00	1.57E-02	4.34E-09	1,000,000	4.34E-03	6.3E-02			
168	1.389E-05	5.5477E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.05E-09	1,000,000	3.05E-03	4.4E-02			
169	1.389E-05	4.1406E-05	2.50E-04	1.04E-08	14.00	1.57E-02	2.28E-09	1,000,000	2.28E-03	3.3E-02			
170	1.389E-05	3.2144E-05	2.50E-04	8.04E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
171	1.389E-05	2.5742E-05	2.50E-04	6.44E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
172	1.389E-05	2.1209E-05	2.50E-04	5.31E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
173	1.389E-05	1.7785E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.79E-10	1,000,000	9.79E-04	1.4E-02			
174	1.389E-05	1.5174E-05	2.50E-04	3.80E-09	14.00	1.57E-02	8.36E-10	1,000,000	8.36E-04	1.2E-02			
175	1.389E-05	1.3141E-05	2.50E-04	3.29E-09	14.00	1.57E-02	7.24E-10	1,000,000	7.24E-04	1.0E-02			
176	1.389E-05	1.1506E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
177	1.389E-05	1.9295E-05	2.50E-04	4.83E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
178	1.389E-05	2.4986E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
179	1.389E-05	3.4825E-05	2.50E-04	8.72E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
180	1.389E-05	4.9827E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.74E-09	1,000,000	2.74E-03	4.0E-02			
181	1.389E-05	7.3222E-05	2.50E-04	1.83E-08	14.00	1.57E-02	4.03E-09	1,000,000	4.03E-03	5.8E-02			
182	1.389E-05	0.00011754	2.50E-04	2.94E-08	14.00	1.57E-02	6.47E-09	1,000,000	6.47E-03	9.4E-02			
183	1.389E-05	0.00022603	2.50E-04	5.66E-08	14.00	1.57E-02	1.24E-08	1,000,000	1.24E-02	1.8E-01			
184	1.389E-05	4.5834E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.52E-09	1,000,000	2.52E-03	3.7E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.389E-05	3.4874E-05	2.50E-04	8.73E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
186	1.389E-05	2.7698E-05	2.50E-04	6.93E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
187	1.389E-05	2.2548E-05	2.50E-04	5.64E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
188	1.389E-05	1.8762E-05	2.50E-04	4.70E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
189	1.389E-05	1.592E-05	2.50E-04	3.98E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
190	1.389E-05	1.3713E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.55E-10	1,000,000	7.55E-04	1.1E-02			
191	1.389E-05	1.1955E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.58E-10	1,000,000	6.58E-04	9.5E-03			
192	1.389E-05	1.7646E-05	2.50E-04	4.42E-09	14.00	1.57E-02	9.72E-10	1,000,000	9.72E-04	1.4E-02			
193	1.389E-05	2.2686E-05	2.50E-04	5.68E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
194	1.389E-05	3.0725E-05	2.50E-04	7.69E-09	14.00	1.57E-02	1.69E-09	1,000,000	1.69E-03	2.4E-02			
195	1.389E-05	4.2987E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.37E-09	1,000,000	2.37E-03	3.4E-02			
196	1.389E-05	6.5648E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.61E-09	1,000,000	3.61E-03	5.2E-02			
197	1.389E-05	0.00010663	2.50E-04	2.67E-08	14.00	1.57E-02	5.87E-09	1,000,000	5.87E-03	8.5E-02			
198	1.389E-05	0.00021156	2.50E-04	5.29E-08	14.00	1.57E-02	1.16E-08	1,000,000	1.16E-02	1.7E-01			
199	1.389E-05	0.00091296	2.50E-04	2.28E-07	14.00	1.57E-02	5.03E-08	1,000,000	5.03E-02	7.3E-01			
200	1.389E-05	4.8144E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.65E-09	1,000,000	2.65E-03	3.8E-02			
201	1.389E-05	3.658E-05	2.50E-04	9.16E-09	14.00	1.57E-02	2.01E-09	1,000,000	2.01E-03	2.9E-02			
202	1.389E-05	2.8827E-05	2.50E-04	7.21E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
203	1.389E-05	2.3426E-05	2.50E-04	5.86E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
204	1.389E-05	1.945E-05	2.50E-04	4.87E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
205	1.389E-05	1.6454E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.06E-10	1,000,000	9.06E-04	1.3E-02			
206	1.389E-05	1.4134E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.78E-10	1,000,000	7.78E-04	1.1E-02			
207	1.389E-05	1.2305E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
208	1.389E-05	1.5512E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
209	1.389E-05	1.9808E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
210	1.389E-05	2.5151E-05	2.50E-04	6.29E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
211	1.389E-05	3.5464E-05	2.50E-04	8.88E-09	14.00	1.57E-02	1.95E-09	1,000,000	1.95E-03	2.8E-02			
212	1.389E-05	5.072E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
213	1.389E-05	7.9065E-05	2.50E-04	1.98E-08	14.00	1.57E-02	4.35E-09	1,000,000	4.35E-03	6.3E-02			
214	1.389E-05	0.00013673	2.50E-04	3.42E-08	14.00	1.57E-02	7.53E-09	1,000,000	7.53E-03	1.1E-01			
215	1.389E-05	0.00026289	2.50E-04	6.58E-08	14.00	1.57E-02	1.45E-08	1,000,000	1.45E-02	2.1E-01			
216	1.389E-05	0.00044065	2.50E-04	1.10E-07	14.00	1.57E-02	2.43E-08	1,000,000	2.43E-02	3.5E-01			
217	1.389E-05	0.00035299	2.50E-04	8.83E-08	14.00	1.57E-02	1.94E-08	1,000,000	1.94E-02	2.8E-01			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.389E-05	6.2983E-05	2.50E-04	1.58E-08	14.00	1.57E-02	3.47E-09	1,000,000	3.47E-03	5.0E-02			
219	1.389E-05	4.6862E-05	2.50E-04	1.17E-08	14.00	1.57E-02	2.58E-09	1,000,000	2.58E-03	3.7E-02			
220	1.389E-05	3.6226E-05	2.50E-04	9.07E-09	14.00	1.57E-02	1.99E-09	1,000,000	1.99E-03	2.9E-02			
221	1.389E-05	2.8869E-05	2.50E-04	7.23E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
222	1.389E-05	2.3576E-05	2.50E-04	5.90E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
223	1.389E-05	1.9647E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
224	1.389E-05	1.6652E-05	2.50E-04	4.17E-09	14.00	1.57E-02	9.17E-10	1,000,000	9.17E-04	1.3E-02			
225	1.389E-05	1.4318E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.88E-10	1,000,000	7.88E-04	1.1E-02			
226	1.389E-05	1.247E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
227	1.389E-05	1.3342E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.35E-10	1,000,000	7.35E-04	1.1E-02			
228	1.389E-05	1.6499E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.08E-10	1,000,000	9.08E-04	1.3E-02			
229	1.389E-05	2.0877E-05	2.50E-04	5.22E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
230	1.389E-05	2.7638E-05	2.50E-04	6.92E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
231	1.389E-05	3.8072E-05	2.50E-04	9.53E-09	14.00	1.57E-02	2.10E-09	1,000,000	2.10E-03	3.0E-02			
232	1.389E-05	5.2913E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.91E-09	1,000,000	2.91E-03	4.2E-02			
233	1.389E-05	8.24E-05	2.50E-04	2.06E-08	14.00	1.57E-02	4.54E-09	1,000,000	4.54E-03	6.6E-02			
234	1.389E-05	0.00011857	2.50E-04	2.97E-08	14.00	1.57E-02	6.53E-09	1,000,000	6.53E-03	9.4E-02			
235	1.389E-05	0.0001547	2.50E-04	3.87E-08	14.00	1.57E-02	8.52E-09	1,000,000	8.52E-03	1.2E-01			
236	1.389E-05	0.00015293	2.50E-04	3.83E-08	14.00	1.57E-02	8.42E-09	1,000,000	8.42E-03	1.2E-01			
237	1.389E-05	0.00012586	2.50E-04	3.15E-08	14.00	1.57E-02	6.93E-09	1,000,000	6.93E-03	1.0E-01			
238	1.389E-05	9.4679E-05	2.50E-04	2.37E-08	14.00	1.57E-02	5.21E-09	1,000,000	5.21E-03	7.5E-02			
239	1.389E-05	7.1067E-05	2.50E-04	1.78E-08	14.00	1.57E-02	3.91E-09	1,000,000	3.91E-03	5.7E-02			
240	1.389E-05	5.4249E-05	2.50E-04	1.36E-08	14.00	1.57E-02	2.99E-09	1,000,000	2.99E-03	4.3E-02			
241	1.389E-05	4.2343E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.33E-09	1,000,000	2.33E-03	3.4E-02			
242	1.389E-05	3.3799E-05	2.50E-04	8.46E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
243	1.389E-05	2.7529E-05	2.50E-04	6.89E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
244	1.389E-05	2.2827E-05	2.50E-04	5.71E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
245	1.389E-05	1.9234E-05	2.50E-04	4.81E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
246	1.389E-05	1.6432E-05	2.50E-04	4.11E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
247	1.389E-05	1.421E-05	2.50E-04	3.56E-09	14.00	1.57E-02	7.82E-10	1,000,000	7.82E-04	1.1E-02			
248	1.389E-05	1.2426E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.84E-10	1,000,000	6.84E-04	9.9E-03			
249	1.389E-05	1.1469E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.31E-10	1,000,000	6.31E-04	9.1E-03			
250	1.389E-05	1.3778E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.59E-10	1,000,000	7.59E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.389E-05	1.6821E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.3E-02			
252	1.389E-05	2.1546E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
253	1.389E-05	2.7754E-05	2.50E-04	6.95E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
254	1.389E-05	3.8131E-05	2.50E-04	9.54E-09	14.00	1.57E-02	2.10E-09	1,000,000	2.10E-03	3.0E-02			
255	1.389E-05	5.013E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.76E-09	1,000,000	2.76E-03	4.0E-02			
256	1.389E-05	6.7776E-05	2.50E-04	1.70E-08	14.00	1.57E-02	3.73E-09	1,000,000	3.73E-03	5.4E-02			
257	1.389E-05	7.7393E-05	2.50E-04	1.94E-08	14.00	1.57E-02	4.26E-09	1,000,000	4.26E-03	6.2E-02			
258	1.389E-05	7.8529E-05	2.50E-04	1.97E-08	14.00	1.57E-02	4.32E-09	1,000,000	4.32E-03	6.3E-02			
259	1.389E-05	7.6468E-05	2.50E-04	1.91E-08	14.00	1.57E-02	4.21E-09	1,000,000	4.21E-03	6.1E-02			
260	1.389E-05	6.6596E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.67E-09	1,000,000	3.67E-03	5.3E-02			
261	1.389E-05	5.4417E-05	2.50E-04	1.36E-08	14.00	1.57E-02	3.00E-09	1,000,000	3.00E-03	4.3E-02			
262	1.389E-05	4.4332E-05	2.50E-04	1.11E-08	14.00	1.57E-02	2.44E-09	1,000,000	2.44E-03	3.5E-02			
263	1.389E-05	3.6346E-05	2.50E-04	9.10E-09	14.00	1.57E-02	2.00E-09	1,000,000	2.00E-03	2.9E-02			
264	1.389E-05	3.0098E-05	2.50E-04	7.53E-09	14.00	1.57E-02	1.66E-09	1,000,000	1.66E-03	2.4E-02			
265	1.389E-05	2.5203E-05	2.50E-04	6.31E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
266	1.389E-05	2.1338E-05	2.50E-04	5.34E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
267	1.389E-05	1.8269E-05	2.50E-04	4.57E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
268	1.389E-05	1.5799E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.70E-10	1,000,000	8.70E-04	1.3E-02			
269	1.389E-05	1.3791E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.59E-10	1,000,000	7.59E-04	1.1E-02			
270	1.389E-05	1.2145E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.69E-10	1,000,000	6.69E-04	9.7E-03			
271	1.389E-05	9.5952E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.28E-10	1,000,000	5.28E-04	7.6E-03			
272	1.389E-05	1.1245E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	9.0E-03			
273	1.389E-05	1.3524E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.1E-02			
274	1.389E-05	1.6449E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.06E-10	1,000,000	9.06E-04	1.3E-02			
275	1.389E-05	2.0316E-05	2.50E-04	5.08E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
276	1.389E-05	2.5845E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
277	1.389E-05	3.2369E-05	2.50E-04	8.10E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
278	1.389E-05	3.8628E-05	2.50E-04	9.67E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
279	1.389E-05	4.5055E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.48E-09	1,000,000	2.48E-03	3.6E-02			
280	1.389E-05	4.8271E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.66E-09	1,000,000	2.66E-03	3.8E-02			
281	1.389E-05	4.8598E-05	2.50E-04	1.22E-08	14.00	1.57E-02	2.68E-09	1,000,000	2.68E-03	3.9E-02			
282	1.389E-05	4.7065E-05	2.50E-04	1.18E-08	14.00	1.57E-02	2.59E-09	1,000,000	2.59E-03	3.7E-02			
283	1.389E-05	4.1929E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.31E-09	1,000,000	2.31E-03	3.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.389E-05	3.5701E-05	2.50E-04	8.94E-09	14.00	1.57E-02	1.97E-09	1,000,000	1.97E-03	2.8E-02			
285	1.389E-05	3.0498E-05	2.50E-04	7.63E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			
286	1.389E-05	2.6103E-05	2.50E-04	6.53E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
287	1.389E-05	2.2456E-05	2.50E-04	5.62E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
288	1.389E-05	1.9442E-05	2.50E-04	4.87E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
289	1.389E-05	1.6939E-05	2.50E-04	4.24E-09	14.00	1.57E-02	9.33E-10	1,000,000	9.33E-04	1.3E-02			
290	1.389E-05	1.4861E-05	2.50E-04	3.72E-09	14.00	1.57E-02	8.18E-10	1,000,000	8.18E-04	1.2E-02			
291	1.389E-05	1.3124E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.23E-10	1,000,000	7.23E-04	1.0E-02			
292	1.389E-05	1.1664E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.3E-03			
293	1.389E-05	8.0784E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.45E-10	1,000,000	4.45E-04	6.4E-03			
294	1.389E-05	9.3495E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.15E-10	1,000,000	5.15E-04	7.4E-03			
295	1.389E-05	1.0899E-05	2.50E-04	2.73E-09	14.00	1.57E-02	6.00E-10	1,000,000	6.00E-04	8.7E-03			
296	1.389E-05	1.2705E-05	2.50E-04	3.18E-09	14.00	1.57E-02	7.00E-10	1,000,000	7.00E-04	1.0E-02			
297	1.389E-05	1.5361E-05	2.50E-04	3.84E-09	14.00	1.57E-02	8.46E-10	1,000,000	8.46E-04	1.2E-02			
298	1.389E-05	1.8406E-05	2.50E-04	4.61E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
299	1.389E-05	2.1981E-05	2.50E-04	5.50E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
300	1.389E-05	2.6394E-05	2.50E-04	6.61E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
301	1.389E-05	2.8681E-05	2.50E-04	7.18E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
302	1.389E-05	3.206E-05	2.50E-04	8.02E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
303	1.389E-05	3.3413E-05	2.50E-04	8.36E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
304	1.389E-05	3.3398E-05	2.50E-04	8.36E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
305	1.389E-05	3.1343E-05	2.50E-04	7.84E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
306	1.389E-05	2.7917E-05	2.50E-04	6.99E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
307	1.389E-05	2.5289E-05	2.50E-04	6.33E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
308	1.389E-05	2.2854E-05	2.50E-04	5.72E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
309	1.389E-05	1.9768E-05	2.50E-04	4.95E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
310	1.389E-05	1.7441E-05	2.50E-04	4.37E-09	14.00	1.57E-02	9.60E-10	1,000,000	9.60E-04	1.4E-02			
311	1.389E-05	1.5454E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.51E-10	1,000,000	8.51E-04	1.2E-02			
312	1.389E-05	1.3757E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.1E-02			
313	1.389E-05	1.2294E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.77E-10	1,000,000	6.77E-04	9.8E-03			
314	1.389E-05	1.1038E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.08E-10	1,000,000	6.08E-04	8.8E-03			
315	1.389E-05	6.6717E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.67E-10	1,000,000	3.67E-04	5.3E-03			
316	1.389E-05	7.6294E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.20E-10	1,000,000	4.20E-04	6.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.389E-05	8.7211E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
318	1.389E-05	9.9649E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.49E-10	1,000,000	5.49E-04	7.9E-03			
319	1.389E-05	1.1323E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.23E-10	1,000,000	6.23E-04	9.0E-03			
320	1.389E-05	1.3801E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.60E-10	1,000,000	7.60E-04	1.1E-02			
321	1.389E-05	1.5734E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.66E-10	1,000,000	8.66E-04	1.3E-02			
322	1.389E-05	1.8011E-05	2.50E-04	4.51E-09	14.00	1.57E-02	9.92E-10	1,000,000	9.92E-04	1.4E-02			
323	1.389E-05	2.0572E-05	2.50E-04	5.15E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
324	1.389E-05	2.2377E-05	2.50E-04	5.60E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
325	1.389E-05	2.3791E-05	2.50E-04	5.95E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
326	1.389E-05	2.4527E-05	2.50E-04	6.14E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
327	1.389E-05	2.6517E-05	2.50E-04	6.64E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
328	1.389E-05	2.1429E-05	2.50E-04	5.36E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
329	1.389E-05	1.9989E-05	2.50E-04	5.00E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
330	1.389E-05	1.8854E-05	2.50E-04	4.72E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
331	1.389E-05	1.7507E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.64E-10	1,000,000	9.64E-04	1.4E-02			
332	1.389E-05	1.5975E-05	2.50E-04	4.00E-09	14.00	1.57E-02	8.80E-10	1,000,000	8.80E-04	1.3E-02			
333	1.389E-05	1.4578E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.2E-02			
334	1.389E-05	1.2603E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.94E-10	1,000,000	6.94E-04	1.0E-02			
335	1.389E-05	1.1393E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.27E-10	1,000,000	6.27E-04	9.1E-03			
336	1.389E-05	1.0331E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.69E-10	1,000,000	5.69E-04	8.2E-03			
337	1.389E-05	5.6926E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
338	1.389E-05	6.3672E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
339	1.389E-05	7.0577E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.89E-10	1,000,000	3.89E-04	5.6E-03			
340	1.389E-05	8.073E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.44E-10	1,000,000	4.44E-04	6.4E-03			
341	1.389E-05	9.0217E-06	2.50E-04	2.26E-09	14.00	1.57E-02	4.97E-10	1,000,000	4.97E-04	7.2E-03			
342	1.389E-05	1.0653E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
343	1.389E-05	1.1823E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.51E-10	1,000,000	6.51E-04	9.4E-03			
344	1.389E-05	1.3384E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.37E-10	1,000,000	7.37E-04	1.1E-02			
345	1.389E-05	1.4892E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.20E-10	1,000,000	8.20E-04	1.2E-02			
346	1.389E-05	1.6578E-05	2.50E-04	4.15E-09	14.00	1.57E-02	9.13E-10	1,000,000	9.13E-04	1.3E-02			
347	1.389E-05	1.7306E-05	2.50E-04	4.33E-09	14.00	1.57E-02	9.53E-10	1,000,000	9.53E-04	1.4E-02			
348	1.389E-05	1.7979E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.4E-02			
349	1.389E-05	1.6213E-05	2.50E-04	4.06E-09	14.00	1.57E-02	8.93E-10	1,000,000	8.93E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.389E-05	1.5869E-05	2.50E-04	3.97E-09	14.00	1.57E-02	8.74E-10	1,000,000	8.74E-04	1.3E-02			
351	1.389E-05	1.5535E-05	2.50E-04	3.89E-09	14.00	1.57E-02	8.55E-10	1,000,000	8.55E-04	1.2E-02			
352	1.389E-05	1.4666E-05	2.50E-04	3.67E-09	14.00	1.57E-02	8.08E-10	1,000,000	8.08E-04	1.2E-02			
353	1.389E-05	1.4577E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.2E-02			
354	1.389E-05	1.3805E-05	2.50E-04	3.46E-09	14.00	1.57E-02	7.60E-10	1,000,000	7.60E-04	1.1E-02			
355	1.389E-05	1.3116E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.22E-10	1,000,000	7.22E-04	1.0E-02			
356	1.389E-05	1.1902E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.55E-10	1,000,000	6.55E-04	9.5E-03			
357	1.389E-05	1.1023E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.07E-10	1,000,000	6.07E-04	8.8E-03			
358	1.389E-05	9.9995E-06	2.50E-04	2.50E-09	14.00	1.57E-02	5.51E-10	1,000,000	5.51E-04	8.0E-03			
359	1.389E-05	4.7832E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
360	1.389E-05	5.3291E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
361	1.389E-05	5.894E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.7E-03			
362	1.389E-05	6.5367E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
363	1.389E-05	7.1897E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
364	1.389E-05	8.1777E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.50E-10	1,000,000	4.50E-04	6.5E-03			
365	1.389E-05	9.211E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
366	1.389E-05	1.0337E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.69E-10	1,000,000	5.69E-04	8.2E-03			
367	1.389E-05	1.1647E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
368	1.389E-05	1.2476E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.87E-10	1,000,000	6.87E-04	9.9E-03			
369	1.389E-05	1.278E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.04E-10	1,000,000	7.04E-04	1.0E-02			
370	1.389E-05	1.2594E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
371	1.389E-05	1.2668E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
372	1.389E-05	1.2463E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
373	1.389E-05	1.1924E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.5E-03			
374	1.389E-05	1.144E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.30E-10	1,000,000	6.30E-04	9.1E-03			
375	1.389E-05	1.1607E-05	2.50E-04	2.90E-09	14.00	1.57E-02	6.39E-10	1,000,000	6.39E-04	9.2E-03			
376	1.389E-05	1.1307E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.23E-10	1,000,000	6.23E-04	9.0E-03			
377	1.389E-05	1.1067E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.09E-10	1,000,000	6.09E-04	8.8E-03			
378	1.389E-05	1.0804E-05	2.50E-04	2.70E-09	14.00	1.57E-02	5.95E-10	1,000,000	5.95E-04	8.6E-03			
379	1.389E-05	9.9283E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
380	1.389E-05	9.4286E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
381	1.389E-05	2.0208E-05	2.50E-04	5.06E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
382	1.389E-05	2.3344E-05	2.50E-04	5.84E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.389E-05	2.6948E-05	2.50E-04	6.74E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
384	1.389E-05	3.0898E-05	2.50E-04	7.73E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
385	1.389E-05	3.4883E-05	2.50E-04	8.73E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
386	1.389E-05	3.8273E-05	2.50E-04	9.58E-09	14.00	1.57E-02	2.11E-09	1,000,000	2.11E-03	3.0E-02			
387	1.389E-05	4.029E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
388	1.389E-05	4.0431E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			
389	1.389E-05	3.8592E-05	2.50E-04	9.66E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
390	1.389E-05	3.5322E-05	2.50E-04	8.84E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
391	1.389E-05	3.1376E-05	2.50E-04	7.85E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
392	1.389E-05	2.7404E-05	2.50E-04	6.86E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
393	1.389E-05	2.3751E-05	2.50E-04	5.94E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
394	1.389E-05	2.059E-05	2.50E-04	5.15E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
395	1.389E-05	1.7858E-05	2.50E-04	4.47E-09	14.00	1.57E-02	9.83E-10	1,000,000	9.83E-04	1.4E-02			
396	1.389E-05	1.5579E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.58E-10	1,000,000	8.58E-04	1.2E-02			
397	1.389E-05	1.3679E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.53E-10	1,000,000	7.53E-04	1.1E-02			
398	1.389E-05	1.2083E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.65E-10	1,000,000	6.65E-04	9.6E-03			
399	1.389E-05	2.2899E-05	2.50E-04	5.73E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
400	1.389E-05	2.7157E-05	2.50E-04	6.80E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
401	1.389E-05	3.2379E-05	2.50E-04	8.10E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
402	1.389E-05	3.8541E-05	2.50E-04	9.65E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
403	1.389E-05	4.5269E-05	2.50E-04	1.13E-08	14.00	1.57E-02	2.49E-09	1,000,000	2.49E-03	3.6E-02			
404	1.389E-05	5.1487E-05	2.50E-04	1.29E-08	14.00	1.57E-02	2.83E-09	1,000,000	2.83E-03	4.1E-02			
405	1.389E-05	5.556E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.06E-09	1,000,000	3.06E-03	4.4E-02			
406	1.389E-05	5.5892E-05	2.50E-04	1.40E-08	14.00	1.57E-02	3.08E-09	1,000,000	3.08E-03	4.5E-02			
407	1.389E-05	5.2272E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.88E-09	1,000,000	2.88E-03	4.2E-02			
408	1.389E-05	4.6247E-05	2.50E-04	1.16E-08	14.00	1.57E-02	2.55E-09	1,000,000	2.55E-03	3.7E-02			
409	1.389E-05	3.9482E-05	2.50E-04	9.88E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.1E-02			
410	1.389E-05	3.3167E-05	2.50E-04	8.30E-09	14.00	1.57E-02	1.83E-09	1,000,000	1.83E-03	2.6E-02			
411	1.389E-05	2.7871E-05	2.50E-04	6.98E-09	14.00	1.57E-02	1.53E-09	1,000,000	1.53E-03	2.2E-02			
412	1.389E-05	2.3558E-05	2.50E-04	5.90E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
413	1.389E-05	2.0024E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
414	1.389E-05	1.7188E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.46E-10	1,000,000	9.46E-04	1.4E-02			
415	1.389E-05	1.4884E-05	2.50E-04	3.73E-09	14.00	1.57E-02	8.20E-10	1,000,000	8.20E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.389E-05	1.2976E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.14E-10	1,000,000	7.14E-04	1.0E-02			
417	1.389E-05	2.5749E-05	2.50E-04	6.44E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
418	1.389E-05	3.1434E-05	2.50E-04	7.87E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
419	1.389E-05	3.8931E-05	2.50E-04	9.74E-09	14.00	1.57E-02	2.14E-09	1,000,000	2.14E-03	3.1E-02			
420	1.389E-05	4.8666E-05	2.50E-04	1.22E-08	14.00	1.57E-02	2.68E-09	1,000,000	2.68E-03	3.9E-02			
421	1.389E-05	6.0679E-05	2.50E-04	1.52E-08	14.00	1.57E-02	3.34E-09	1,000,000	3.34E-03	4.8E-02			
422	1.389E-05	7.3627E-05	2.50E-04	1.84E-08	14.00	1.57E-02	4.05E-09	1,000,000	4.05E-03	5.9E-02			
423	1.389E-05	8.3278E-05	2.50E-04	2.08E-08	14.00	1.57E-02	4.59E-09	1,000,000	4.59E-03	6.6E-02			
424	1.389E-05	8.4147E-05	2.50E-04	2.11E-08	14.00	1.57E-02	4.63E-09	1,000,000	4.63E-03	6.7E-02			
425	1.389E-05	7.5505E-05	2.50E-04	1.89E-08	14.00	1.57E-02	4.16E-09	1,000,000	4.16E-03	6.0E-02			
426	1.389E-05	6.284E-05	2.50E-04	1.57E-08	14.00	1.57E-02	3.46E-09	1,000,000	3.46E-03	5.0E-02			
427	1.389E-05	5.046E-05	2.50E-04	1.26E-08	14.00	1.57E-02	2.78E-09	1,000,000	2.78E-03	4.0E-02			
428	1.389E-05	4.0441E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.23E-09	1,000,000	2.23E-03	3.2E-02			
429	1.389E-05	3.2718E-05	2.50E-04	8.19E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
430	1.389E-05	2.6826E-05	2.50E-04	6.71E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
431	1.389E-05	2.2335E-05	2.50E-04	5.59E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
432	1.389E-05	1.8864E-05	2.50E-04	4.72E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
433	1.389E-05	1.6176E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.91E-10	1,000,000	8.91E-04	1.3E-02			
434	1.389E-05	1.3974E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.69E-10	1,000,000	7.69E-04	1.1E-02			
435	1.389E-05	2.8497E-05	2.50E-04	7.13E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
436	1.389E-05	3.585E-05	2.50E-04	8.97E-09	14.00	1.57E-02	1.97E-09	1,000,000	1.97E-03	2.9E-02			
437	1.389E-05	4.6345E-05	2.50E-04	1.16E-08	14.00	1.57E-02	2.55E-09	1,000,000	2.55E-03	3.7E-02			
438	1.389E-05	6.1574E-05	2.50E-04	1.54E-08	14.00	1.57E-02	3.39E-09	1,000,000	3.39E-03	4.9E-02			
439	1.389E-05	8.3742E-05	2.50E-04	2.10E-08	14.00	1.57E-02	4.61E-09	1,000,000	4.61E-03	6.7E-02			
440	1.389E-05	0.00011338	2.50E-04	2.84E-08	14.00	1.57E-02	6.24E-09	1,000,000	6.24E-03	9.0E-02			
441	1.389E-05	0.00014154	2.50E-04	3.54E-08	14.00	1.57E-02	7.79E-09	1,000,000	7.79E-03	1.1E-01			
442	1.389E-05	0.00014484	2.50E-04	3.63E-08	14.00	1.57E-02	7.98E-09	1,000,000	7.98E-03	1.2E-01			
443	1.389E-05	0.00011944	2.50E-04	2.99E-08	14.00	1.57E-02	6.58E-09	1,000,000	6.58E-03	9.5E-02			
444	1.389E-05	8.8931E-05	2.50E-04	2.23E-08	14.00	1.57E-02	4.90E-09	1,000,000	4.90E-03	7.1E-02			
445	1.389E-05	6.549E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.61E-09	1,000,000	3.61E-03	5.2E-02			
446	1.389E-05	4.9359E-05	2.50E-04	1.24E-08	14.00	1.57E-02	2.72E-09	1,000,000	2.72E-03	3.9E-02			
447	1.389E-05	3.8279E-05	2.50E-04	9.58E-09	14.00	1.57E-02	2.11E-09	1,000,000	2.11E-03	3.0E-02			
448	1.389E-05	3.0429E-05	2.50E-04	7.62E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.389E-05	2.4822E-05	2.50E-04	6.21E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
450	1.389E-05	2.0663E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
451	1.389E-05	1.7412E-05	2.50E-04	4.36E-09	14.00	1.57E-02	9.59E-10	1,000,000	9.59E-04	1.4E-02			
452	1.389E-05	1.4943E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.23E-10	1,000,000	8.23E-04	1.2E-02			
453	1.389E-05	3.0812E-05	2.50E-04	7.71E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
454	1.389E-05	3.9792E-05	2.50E-04	9.96E-09	14.00	1.57E-02	2.19E-09	1,000,000	2.19E-03	3.2E-02			
455	1.389E-05	5.3604E-05	2.50E-04	1.34E-08	14.00	1.57E-02	2.95E-09	1,000,000	2.95E-03	4.3E-02			
456	1.389E-05	7.6166E-05	2.50E-04	1.91E-08	14.00	1.57E-02	4.19E-09	1,000,000	4.19E-03	6.1E-02			
457	1.389E-05	0.00011578	2.50E-04	2.90E-08	14.00	1.57E-02	6.38E-09	1,000,000	6.38E-03	9.2E-02			
458	1.389E-05	0.0001893	2.50E-04	4.74E-08	14.00	1.57E-02	1.04E-08	1,000,000	1.04E-02	1.5E-01			
459	1.389E-05	0.00030649	2.50E-04	7.67E-08	14.00	1.57E-02	1.69E-08	1,000,000	1.69E-02	2.4E-01			
460	1.389E-05	0.00032758	2.50E-04	8.20E-08	14.00	1.57E-02	1.80E-08	1,000,000	1.80E-02	2.6E-01			
461	1.389E-05	0.00021116	2.50E-04	5.28E-08	14.00	1.57E-02	1.16E-08	1,000,000	1.16E-02	1.7E-01			
462	1.389E-05	0.00012962	2.50E-04	3.24E-08	14.00	1.57E-02	7.14E-09	1,000,000	7.14E-03	1.0E-01			
463	1.389E-05	8.5206E-05	2.50E-04	2.13E-08	14.00	1.57E-02	4.69E-09	1,000,000	4.69E-03	6.8E-02			
464	1.389E-05	5.9876E-05	2.50E-04	1.50E-08	14.00	1.57E-02	3.30E-09	1,000,000	3.30E-03	4.8E-02			
465	1.389E-05	4.4405E-05	2.50E-04	1.11E-08	14.00	1.57E-02	2.44E-09	1,000,000	2.44E-03	3.5E-02			
466	1.389E-05	3.4332E-05	2.50E-04	8.59E-09	14.00	1.57E-02	1.89E-09	1,000,000	1.89E-03	2.7E-02			
467	1.389E-05	2.7418E-05	2.50E-04	6.86E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
468	1.389E-05	2.244E-05	2.50E-04	5.62E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
469	1.389E-05	1.874E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
470	1.389E-05	1.5921E-05	2.50E-04	3.98E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
471	1.389E-05	2.924E-05	2.50E-04	7.32E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
472	1.389E-05	4.0321E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
473	1.389E-05	5.8891E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.24E-09	1,000,000	3.24E-03	4.7E-02			
474	1.389E-05	8.8052E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.85E-09	1,000,000	4.85E-03	7.0E-02			
475	1.389E-05	0.0001482	2.50E-04	3.71E-08	14.00	1.57E-02	8.16E-09	1,000,000	8.16E-03	1.2E-01			
476	1.389E-05	3.8162E-05	2.50E-04	9.55E-09	14.00	1.57E-02	2.10E-09	1,000,000	2.10E-03	3.0E-02			
477	1.389E-05	2.9834E-05	2.50E-04	7.47E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
478	1.389E-05	2.4186E-05	2.50E-04	6.05E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
479	1.389E-05	2.0006E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
480	1.389E-05	1.6842E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.27E-10	1,000,000	9.27E-04	1.3E-02			
481	1.389E-05	2.722E-05	2.50E-04	6.81E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.389E-05	3.78E-05	2.50E-04	9.46E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
483	1.389E-05	5.4234E-05	2.50E-04	1.36E-08	14.00	1.57E-02	2.99E-09	1,000,000	2.99E-03	4.3E-02			
484	1.389E-05	8.5153E-05	2.50E-04	2.13E-08	14.00	1.57E-02	4.69E-09	1,000,000	4.69E-03	6.8E-02			
485	1.389E-05	0.00015956	2.50E-04	3.99E-08	14.00	1.57E-02	8.79E-09	1,000,000	8.79E-03	1.3E-01			
486	1.389E-05	4.0966E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.26E-09	1,000,000	2.26E-03	3.3E-02			
487	1.389E-05	3.183E-05	2.50E-04	7.97E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
488	1.389E-05	2.5494E-05	2.50E-04	6.38E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.0E-02			
489	1.389E-05	2.0984E-05	2.50E-04	5.25E-09	14.00	1.57E-02	1.16E-09	1,000,000	1.16E-03	1.7E-02			
490	1.389E-05	1.7597E-05	2.50E-04	4.40E-09	14.00	1.57E-02	9.69E-10	1,000,000	9.69E-04	1.4E-02			
491	1.389E-05	2.4162E-05	2.50E-04	6.05E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
492	1.389E-05	3.308E-05	2.50E-04	8.28E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
493	1.389E-05	4.6077E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.54E-09	1,000,000	2.54E-03	3.7E-02			
494	1.389E-05	7.0159E-05	2.50E-04	1.76E-08	14.00	1.57E-02	3.86E-09	1,000,000	3.86E-03	5.6E-02			
495	1.389E-05	0.00012124	2.50E-04	3.03E-08	14.00	1.57E-02	6.68E-09	1,000,000	6.68E-03	9.7E-02			
496	1.389E-05	0.00091082	2.50E-04	2.28E-07	14.00	1.57E-02	5.02E-08	1,000,000	5.02E-02	7.3E-01			
497	1.389E-05	0.00038888	2.50E-04	9.73E-08	14.00	1.57E-02	2.14E-08	1,000,000	2.14E-02	3.1E-01			
498	1.389E-05	5.5576E-05	2.50E-04	1.39E-08	14.00	1.57E-02	3.06E-09	1,000,000	3.06E-03	4.4E-02			
499	1.389E-05	4.1764E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.30E-09	1,000,000	2.30E-03	3.3E-02			
500	1.389E-05	3.251E-05	2.50E-04	8.14E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.6E-02			
501	1.389E-05	2.611E-05	2.50E-04	6.53E-09	14.00	1.57E-02	1.44E-09	1,000,000	1.44E-03	2.1E-02			
502	1.389E-05	2.147E-05	2.50E-04	5.37E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
503	1.389E-05	1.8008E-05	2.50E-04	4.51E-09	14.00	1.57E-02	9.92E-10	1,000,000	9.92E-04	1.4E-02			
504	1.389E-05	2.0405E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
505	1.389E-05	2.6258E-05	2.50E-04	6.57E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
506	1.389E-05	3.7736E-05	2.50E-04	9.44E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
507	1.389E-05	5.29E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.91E-09	1,000,000	2.91E-03	4.2E-02			
508	1.389E-05	8.4654E-05	2.50E-04	2.12E-08	14.00	1.57E-02	4.66E-09	1,000,000	4.66E-03	6.7E-02			
509	1.389E-05	0.00013395	2.50E-04	3.35E-08	14.00	1.57E-02	7.38E-09	1,000,000	7.38E-03	1.1E-01			
510	1.389E-05	0.00021056	2.50E-04	5.27E-08	14.00	1.57E-02	1.16E-08	1,000,000	1.16E-02	1.7E-01			
511	1.389E-05	0.00024144	2.50E-04	6.04E-08	14.00	1.57E-02	1.33E-08	1,000,000	1.33E-02	1.9E-01			
512	1.389E-05	0.000195	2.50E-04	4.88E-08	14.00	1.57E-02	1.07E-08	1,000,000	1.07E-02	1.6E-01			
513	1.389E-05	0.0001358	2.50E-04	3.40E-08	14.00	1.57E-02	7.48E-09	1,000,000	7.48E-03	1.1E-01			
514	1.389E-05	9.4928E-05	2.50E-04	2.38E-08	14.00	1.57E-02	5.23E-09	1,000,000	5.23E-03	7.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.389E-05	6.8534E-05	2.50E-04	1.72E-08	14.00	1.57E-02	3.77E-09	1,000,000	3.77E-03	5.5E-02			
516	1.389E-05	5.1288E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.82E-09	1,000,000	2.82E-03	4.1E-02			
517	1.389E-05	3.9644E-05	2.50E-04	9.92E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.2E-02			
518	1.389E-05	3.1513E-05	2.50E-04	7.89E-09	14.00	1.57E-02	1.74E-09	1,000,000	1.74E-03	2.5E-02			
519	1.389E-05	2.5643E-05	2.50E-04	6.42E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
520	1.389E-05	2.1281E-05	2.50E-04	5.33E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
521	1.389E-05	1.7962E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.89E-10	1,000,000	9.89E-04	1.4E-02			
522	1.389E-05	1.6719E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.21E-10	1,000,000	9.21E-04	1.3E-02			
523	1.389E-05	2.1662E-05	2.50E-04	5.42E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
524	1.389E-05	2.866E-05	2.50E-04	7.17E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
525	1.389E-05	3.8449E-05	2.50E-04	9.62E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
526	1.389E-05	5.0626E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
527	1.389E-05	7.5885E-05	2.50E-04	1.90E-08	14.00	1.57E-02	4.18E-09	1,000,000	4.18E-03	6.0E-02			
528	1.389E-05	9.7156E-05	2.50E-04	2.43E-08	14.00	1.57E-02	5.35E-09	1,000,000	5.35E-03	7.7E-02			
529	1.389E-05	0.00010746	2.50E-04	2.69E-08	14.00	1.57E-02	5.92E-09	1,000,000	5.92E-03	8.6E-02			
530	1.389E-05	0.00010494	2.50E-04	2.63E-08	14.00	1.57E-02	5.78E-09	1,000,000	5.78E-03	8.4E-02			
531	1.389E-05	8.8873E-05	2.50E-04	2.22E-08	14.00	1.57E-02	4.89E-09	1,000,000	4.89E-03	7.1E-02			
532	1.389E-05	7.0197E-05	2.50E-04	1.76E-08	14.00	1.57E-02	3.87E-09	1,000,000	3.87E-03	5.6E-02			
533	1.389E-05	5.5295E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.04E-09	1,000,000	3.04E-03	4.4E-02			
534	1.389E-05	4.3959E-05	2.50E-04	1.10E-08	14.00	1.57E-02	2.42E-09	1,000,000	2.42E-03	3.5E-02			
535	1.389E-05	3.5464E-05	2.50E-04	8.88E-09	14.00	1.57E-02	1.95E-09	1,000,000	1.95E-03	2.8E-02			
536	1.389E-05	2.9057E-05	2.50E-04	7.27E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
537	1.389E-05	2.4165E-05	2.50E-04	6.05E-09	14.00	1.57E-02	1.33E-09	1,000,000	1.33E-03	1.9E-02			
538	1.389E-05	2.0384E-05	2.50E-04	5.10E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
539	1.389E-05	1.7408E-05	2.50E-04	4.36E-09	14.00	1.57E-02	9.58E-10	1,000,000	9.58E-04	1.4E-02			
540	1.389E-05	1.3672E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.53E-10	1,000,000	7.53E-04	1.1E-02			
541	1.389E-05	1.7057E-05	2.50E-04	4.27E-09	14.00	1.57E-02	9.39E-10	1,000,000	9.39E-04	1.4E-02			
542	1.389E-05	2.1466E-05	2.50E-04	5.37E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
543	1.389E-05	2.7306E-05	2.50E-04	6.83E-09	14.00	1.57E-02	1.50E-09	1,000,000	1.50E-03	2.2E-02			
544	1.389E-05	3.6061E-05	2.50E-04	9.03E-09	14.00	1.57E-02	1.99E-09	1,000,000	1.99E-03	2.9E-02			
545	1.389E-05	4.467E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.46E-09	1,000,000	2.46E-03	3.6E-02			
546	1.389E-05	5.501E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.03E-09	1,000,000	3.03E-03	4.4E-02			
547	1.389E-05	6.0257E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.32E-09	1,000,000	3.32E-03	4.8E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.389E-05	6.1602E-05	2.50E-04	1.54E-08	14.00	1.57E-02	3.39E-09	1,000,000	3.39E-03	4.9E-02			
549	1.389E-05	5.8757E-05	2.50E-04	1.47E-08	14.00	1.57E-02	3.24E-09	1,000,000	3.24E-03	4.7E-02			
550	1.389E-05	5.2035E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.87E-09	1,000,000	2.87E-03	4.1E-02			
551	1.389E-05	4.3616E-05	2.50E-04	1.09E-08	14.00	1.57E-02	2.40E-09	1,000,000	2.40E-03	3.5E-02			
552	1.389E-05	3.6417E-05	2.50E-04	9.11E-09	14.00	1.57E-02	2.01E-09	1,000,000	2.01E-03	2.9E-02			
553	1.389E-05	3.0573E-05	2.50E-04	7.65E-09	14.00	1.57E-02	1.68E-09	1,000,000	1.68E-03	2.4E-02			
554	1.389E-05	2.5852E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
555	1.389E-05	2.2045E-05	2.50E-04	5.52E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
556	1.389E-05	1.8957E-05	2.50E-04	4.74E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
557	1.389E-05	1.6442E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
558	1.389E-05	1.1204E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.17E-10	1,000,000	6.17E-04	8.9E-03			
559	1.389E-05	1.3576E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.48E-10	1,000,000	7.48E-04	1.1E-02			
560	1.389E-05	1.6022E-05	2.50E-04	4.01E-09	14.00	1.57E-02	8.82E-10	1,000,000	8.82E-04	1.3E-02			
561	1.389E-05	1.9667E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
562	1.389E-05	2.338E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
563	1.389E-05	2.8029E-05	2.50E-04	7.01E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
564	1.389E-05	3.4018E-05	2.50E-04	8.51E-09	14.00	1.57E-02	1.87E-09	1,000,000	1.87E-03	2.7E-02			
565	1.389E-05	3.7253E-05	2.50E-04	9.32E-09	14.00	1.57E-02	2.05E-09	1,000,000	2.05E-03	3.0E-02			
566	1.389E-05	4.0343E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
567	1.389E-05	3.9623E-05	2.50E-04	9.92E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.2E-02			
568	1.389E-05	3.8478E-05	2.50E-04	9.63E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
569	1.389E-05	3.3588E-05	2.50E-04	8.41E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
570	1.389E-05	2.9779E-05	2.50E-04	7.45E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
571	1.389E-05	2.6484E-05	2.50E-04	6.63E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
572	1.389E-05	2.2592E-05	2.50E-04	5.65E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
573	1.389E-05	1.9706E-05	2.50E-04	4.93E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
574	1.389E-05	1.7274E-05	2.50E-04	4.32E-09	14.00	1.57E-02	9.51E-10	1,000,000	9.51E-04	1.4E-02			
575	1.389E-05	1.5226E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.38E-10	1,000,000	8.38E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	2.53E-06		1.826E-04	199 Res
2	5	2.80E-06			
3	5	3.08E-06			
4	5	3.38E-06			
5	5	3.68E-06			
6	5	3.96E-06			
7	5	4.19E-06			
8	5	4.35E-06			
9	5	4.41E-06			
10	5	4.36E-06			
11	5	4.21E-06			
12	5	3.98E-06			
13	5	3.71E-06			
14	5	3.40E-06			
15	5	3.10E-06			
16	5	2.81E-06			
17	5	2.55E-06			
18	5	2.31E-06			
19	5	2.09E-06			
20	5	1.90E-06			
21	5	1.73E-06			
22	5	1.58E-06			
23	5	2.81E-06			
24	5	3.15E-06			
25	5	3.53E-06			
26	5	3.94E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	4.36E-06			
28	5	4.78E-06			
29	5	5.14E-06			
30	5	5.39E-06			
31	5	5.49E-06			
32	5	5.41E-06			
33	5	5.17E-06			
34	5	4.82E-06			
35	5	4.41E-06			
36	5	3.98E-06			
37	5	3.56E-06			
38	5	3.18E-06			
39	5	2.84E-06			
40	5	2.54E-06			
41	5	2.27E-06			
42	5	2.04E-06			
43	5	1.84E-06			
44	5	1.68E-06			
45	5	3.11E-06			
46	5	3.55E-06			
47	5	4.05E-06			
48	5	4.62E-06			
49	5	5.25E-06			
50	5	5.88E-06			
51	5	6.46E-06			
52	5	6.89E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	7.06E-06			
54	5	6.92E-06			
55	5	6.52E-06			
56	5	5.95E-06			
57	5	5.32E-06			
58	5	4.70E-06			
59	5	4.11E-06			
60	5	3.60E-06			
61	5	3.16E-06			
62	5	2.79E-06			
63	5	2.47E-06			
64	5	2.20E-06			
65	5	1.97E-06			
66	5	1.78E-06			
67	5	3.44E-06			
68	5	3.99E-06			
69	5	4.65E-06			
70	5	5.45E-06			
71	5	6.38E-06			
72	5	7.40E-06			
73	5	8.40E-06			
74	5	9.17E-06			
75	5	9.49E-06			
76	5	9.25E-06			
77	5	8.53E-06			
78	5	7.55E-06			
79	5	6.52E-06			
80	5	5.57E-06			
81	5	4.76E-06			
82	5	4.08E-06			
83	5	3.52E-06			
84	5	3.06E-06			
85	5	2.67E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	2.36E-06			
87	5	2.10E-06			
88	5	1.88E-06			
89	5	3.77E-06			
90	5	4.45E-06			
91	5	5.33E-06			
92	5	6.44E-06			
93	5	7.84E-06			
94	5	9.53E-06			
95	5	1.14E-05			
96	5	1.29E-05			
97	5	1.37E-05			
98	5	1.31E-05			
99	5	1.16E-05			
100	5	9.80E-06			
101	5	8.08E-06			
102	5	6.64E-06			
103	5	5.51E-06			
104	5	4.61E-06			
105	5	3.90E-06			
106	5	3.34E-06			
107	5	2.89E-06			
108	5	2.53E-06			
109	5	2.23E-06			
110	5	1.99E-06			
111	5	4.08E-06			
112	5	4.92E-06			
113	5	6.03E-06			
114	5	7.55E-06			
115	5	9.64E-06			
116	5	1.25E-05			
117	5	1.61E-05			
118	5	1.99E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	2.19E-05			
120	5	2.05E-05			
121	5	1.68E-05			
122	5	1.31E-05			
123	5	1.01E-05			
124	5	7.93E-06			
125	5	6.35E-06			
126	5	5.18E-06			
127	5	4.31E-06			
128	5	3.64E-06			
129	5	3.11E-06			
130	5	2.70E-06			
131	5	2.36E-06			
132	5	2.09E-06			
133	5	4.34E-06			
134	5	5.32E-06			
135	5	6.69E-06			
136	5	8.68E-06			
137	5	1.17E-05			
138	5	1.64E-05			
139	5	2.39E-05			
140	5	3.48E-05			
141	5	4.26E-05			
142	5	3.70E-05			
143	5	2.59E-05			
144	5	1.78E-05			
145	5	1.27E-05			
146	5	9.42E-06			
147	5	7.28E-06			
148	5	5.79E-06			
149	5	4.74E-06			
150	5	3.94E-06			
151	5	3.33E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	2.87E-06			
153	5	2.50E-06			
154	5	2.20E-06			
155	5	4.01E-06			
156	5	5.15E-06			
157	5	7.20E-06			
158	5	9.61E-06			
159	5	1.36E-05			
160	5	2.07E-05			
161	5	3.55E-05			
162	5	7.14E-05			
163	5	1.41E-04			
164	5	8.54E-05			
165	5	4.20E-05			
166	5	2.43E-05			
167	5	1.58E-05			
168	5	1.11E-05			
169	5	8.28E-06			
170	5	6.43E-06			
171	5	5.15E-06			
172	5	4.24E-06			
173	5	3.56E-06			
174	5	3.03E-06			
175	5	2.63E-06			
176	5	2.30E-06			
177	5	3.86E-06			
178	5	5.00E-06			
179	5	6.97E-06			
180	5	9.97E-06			
181	5	1.46E-05			
182	5	2.35E-05			
183	5	4.52E-05			
184	5	9.17E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	6.97E-06			
186	5	5.54E-06			
187	5	4.51E-06			
188	5	3.75E-06			
189	5	3.18E-06			
190	5	2.74E-06			
191	5	2.39E-06			
192	5	3.53E-06			
193	5	4.54E-06			
194	5	6.14E-06			
195	5	8.60E-06			
196	5	1.31E-05			
197	5	2.13E-05			
198	5	4.23E-05			
199	5	1.83E-04			
200	5	9.63E-06			
201	5	7.32E-06			
202	5	5.77E-06			
203	5	4.69E-06			
204	5	3.89E-06			
205	5	3.29E-06			
206	5	2.83E-06			
207	5	2.46E-06			
208	5	3.10E-06			
209	5	3.96E-06			
210	5	5.03E-06			
211	5	7.09E-06			
212	5	1.01E-05			
213	5	1.58E-05			
214	5	2.73E-05			
215	5	5.26E-05			
216	5	8.81E-05			
217	5	7.06E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.26E-05			
219	5	9.37E-06			
220	5	7.25E-06			
221	5	5.77E-06			
222	5	4.72E-06			
223	5	3.93E-06			
224	5	3.33E-06			
225	5	2.86E-06			
226	5	2.49E-06			
227	5	2.67E-06			
228	5	3.30E-06			
229	5	4.18E-06			
230	5	5.53E-06			
231	5	7.61E-06			
232	5	1.06E-05			
233	5	1.65E-05			
234	5	2.37E-05			
235	5	3.09E-05			
236	5	3.06E-05			
237	5	2.52E-05			
238	5	1.89E-05			
239	5	1.42E-05			
240	5	1.08E-05			
241	5	8.47E-06			
242	5	6.76E-06			
243	5	5.51E-06			
244	5	4.57E-06			
245	5	3.85E-06			
246	5	3.29E-06			
247	5	2.84E-06			
248	5	2.49E-06			
249	5	2.29E-06			
250	5	2.76E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	3.36E-06			
252	5	4.31E-06			
253	5	5.55E-06			
254	5	7.63E-06			
255	5	1.00E-05			
256	5	1.36E-05			
257	5	1.55E-05			
258	5	1.57E-05			
259	5	1.53E-05			
260	5	1.33E-05			
261	5	1.09E-05			
262	5	8.87E-06			
263	5	7.27E-06			
264	5	6.02E-06			
265	5	5.04E-06			
266	5	4.27E-06			
267	5	3.65E-06			
268	5	3.16E-06			
269	5	2.76E-06			
270	5	2.43E-06			
271	5	1.92E-06			
272	5	2.25E-06			
273	5	2.70E-06			
274	5	3.29E-06			
275	5	4.06E-06			
276	5	5.17E-06			
277	5	6.47E-06			
278	5	7.73E-06			
279	5	9.01E-06			
280	5	9.65E-06			
281	5	9.72E-06			
282	5	9.41E-06			
283	5	8.39E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	7.14E-06			
285	5	6.10E-06			
286	5	5.22E-06			
287	5	4.49E-06			
288	5	3.89E-06			
289	5	3.39E-06			
290	5	2.97E-06			
291	5	2.62E-06			
292	5	2.33E-06			
293	5	1.62E-06			
294	5	1.87E-06			
295	5	2.18E-06			
296	5	2.54E-06			
297	5	3.07E-06			
298	5	3.68E-06			
299	5	4.40E-06			
300	5	5.28E-06			
301	5	5.74E-06			
302	5	6.41E-06			
303	5	6.68E-06			
304	5	6.68E-06			
305	5	6.27E-06			
306	5	5.58E-06			
307	5	5.06E-06			
308	5	4.57E-06			
309	5	3.95E-06			
310	5	3.49E-06			
311	5	3.09E-06			
312	5	2.75E-06			
313	5	2.46E-06			
314	5	2.21E-06			
315	5	1.33E-06			
316	5	1.53E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	1.74E-06			
318	5	1.99E-06			
319	5	2.26E-06			
320	5	2.76E-06			
321	5	3.15E-06			
322	5	3.60E-06			
323	5	4.11E-06			
324	5	4.48E-06			
325	5	4.76E-06			
326	5	4.91E-06			
327	5	5.30E-06			
328	5	4.29E-06			
329	5	4.00E-06			
330	5	3.77E-06			
331	5	3.50E-06			
332	5	3.19E-06			
333	5	2.92E-06			
334	5	2.52E-06			
335	5	2.28E-06			
336	5	2.07E-06			
337	5	1.14E-06			
338	5	1.27E-06			
339	5	1.41E-06			
340	5	1.61E-06			
341	5	1.80E-06			
342	5	2.13E-06			
343	5	2.36E-06			
344	5	2.68E-06			
345	5	2.98E-06			
346	5	3.32E-06			
347	5	3.46E-06			
348	5	3.60E-06			
349	5	3.24E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	3.17E-06			
351	5	3.11E-06			
352	5	2.93E-06			
353	5	2.92E-06			
354	5	2.76E-06			
355	5	2.62E-06			
356	5	2.38E-06			
357	5	2.20E-06			
358	5	2.00E-06			
359	5	9.57E-07			
360	5	1.07E-06			
361	5	1.18E-06			
362	5	1.31E-06			
363	5	1.44E-06			
364	5	1.64E-06			
365	5	1.84E-06			
366	5	2.07E-06			
367	5	2.33E-06			
368	5	2.50E-06			
369	5	2.56E-06			
370	5	2.52E-06			
371	5	2.53E-06			
372	5	2.49E-06			
373	5	2.38E-06			
374	5	2.29E-06			
375	5	2.32E-06			
376	5	2.26E-06			
377	5	2.21E-06			
378	5	2.16E-06			
379	5	1.99E-06			
380	5	1.89E-06			
381	5	4.04E-06			
382	5	4.67E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	5.39E-06			
384	5	6.18E-06			
385	5	6.98E-06			
386	5	7.65E-06			
387	5	8.06E-06			
388	5	8.09E-06			
389	5	7.72E-06			
390	5	7.06E-06			
391	5	6.28E-06			
392	5	5.48E-06			
393	5	4.75E-06			
394	5	4.12E-06			
395	5	3.57E-06			
396	5	3.12E-06			
397	5	2.74E-06			
398	5	2.42E-06			
399	5	4.58E-06			
400	5	5.43E-06			
401	5	6.48E-06			
402	5	7.71E-06			
403	5	9.05E-06			
404	5	1.03E-05			
405	5	1.11E-05			
406	5	1.12E-05			
407	5	1.05E-05			
408	5	9.25E-06			
409	5	7.90E-06			
410	5	6.63E-06			
411	5	5.57E-06			
412	5	4.71E-06			
413	5	4.00E-06			
414	5	3.44E-06			
415	5	2.98E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	2.60E-06			
417	5	5.15E-06			
418	5	6.29E-06			
419	5	7.79E-06			
420	5	9.73E-06			
421	5	1.21E-05			
422	5	1.47E-05			
423	5	1.67E-05			
424	5	1.68E-05			
425	5	1.51E-05			
426	5	1.26E-05			
427	5	1.01E-05			
428	5	8.09E-06			
429	5	6.54E-06			
430	5	5.37E-06			
431	5	4.47E-06			
432	5	3.77E-06			
433	5	3.24E-06			
434	5	2.79E-06			
435	5	5.70E-06			
436	5	7.17E-06			
437	5	9.27E-06			
438	5	1.23E-05			
439	5	1.67E-05			
440	5	2.27E-05			
441	5	2.83E-05			
442	5	2.90E-05			
443	5	2.39E-05			
444	5	1.78E-05			
445	5	1.31E-05			
446	5	9.87E-06			
447	5	7.66E-06			
448	5	6.09E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	4.96E-06			
450	5	4.13E-06			
451	5	3.48E-06			
452	5	2.99E-06			
453	5	6.16E-06			
454	5	7.96E-06			
455	5	1.07E-05			
456	5	1.52E-05			
457	5	2.32E-05			
458	5	3.79E-05			
459	5	6.13E-05			
460	5	6.55E-05			
461	5	4.22E-05			
462	5	2.59E-05			
463	5	1.70E-05			
464	5	1.20E-05			
465	5	8.88E-06			
466	5	6.87E-06			
467	5	5.48E-06			
468	5	4.49E-06			
469	5	3.75E-06			
470	5	3.18E-06			
471	5	5.85E-06			
472	5	8.06E-06			
473	5	1.18E-05			
474	5	1.76E-05			
475	5	2.96E-05			
476	5	7.63E-06			
477	5	5.97E-06			
478	5	4.84E-06			
479	5	4.00E-06			
480	5	3.37E-06			
481	5	5.44E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	7.56E-06			
483	5	1.08E-05			
484	5	1.70E-05			
485	5	3.19E-05			
486	5	8.19E-06			
487	5	6.37E-06			
488	5	5.10E-06			
489	5	4.20E-06			
490	5	3.52E-06			
491	5	4.83E-06			
492	5	6.62E-06			
493	5	9.22E-06			
494	5	1.40E-05			
495	5	2.42E-05			
496	5	1.82E-04			
497	5	7.78E-05			
498	5	1.11E-05			
499	5	8.35E-06			
500	5	6.50E-06			
501	5	5.22E-06			
502	5	4.29E-06			
503	5	3.60E-06			
504	5	4.08E-06			
505	5	5.25E-06			
506	5	7.55E-06			
507	5	1.06E-05			
508	5	1.69E-05			
509	5	2.68E-05			
510	5	4.21E-05			
511	5	4.83E-05			
512	5	3.90E-05			
513	5	2.72E-05			
514	5	1.90E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	1.37E-05			
516	5	1.03E-05			
517	5	7.93E-06			
518	5	6.30E-06			
519	5	5.13E-06			
520	5	4.26E-06			
521	5	3.59E-06			
522	5	3.34E-06			
523	5	4.33E-06			
524	5	5.73E-06			
525	5	7.69E-06			
526	5	1.01E-05			
527	5	1.52E-05			
528	5	1.94E-05			
529	5	2.15E-05			
530	5	2.10E-05			
531	5	1.78E-05			
532	5	1.40E-05			
533	5	1.11E-05			
534	5	8.79E-06			
535	5	7.09E-06			
536	5	5.81E-06			
537	5	4.83E-06			
538	5	4.08E-06			
539	5	3.48E-06			
540	5	2.73E-06			
541	5	3.41E-06			
542	5	4.29E-06			
543	5	5.46E-06			
544	5	7.21E-06			
545	5	8.93E-06			
546	5	1.10E-05			
547	5	1.21E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE11

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.23E-05			
549	5	1.18E-05			
550	5	1.04E-05			
551	5	8.72E-06			
552	5	7.28E-06			
553	5	6.11E-06			
554	5	5.17E-06			
555	5	4.41E-06			
556	5	3.79E-06			
557	5	3.29E-06			
558	5	2.24E-06			
559	5	2.72E-06			
560	5	3.20E-06			
561	5	3.93E-06			
562	5	4.68E-06			
563	5	5.61E-06			
564	5	6.80E-06			
565	5	7.45E-06			
566	5	8.07E-06			
567	5	7.92E-06			
568	5	7.70E-06			
569	5	6.72E-06			
570	5	5.96E-06			
571	5	5.30E-06			
572	5	4.52E-06			
573	5	3.94E-06			
574	5	3.45E-06			
575	5	3.05E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.94	**6.9451E-06**	6.5191E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05
2	1.04	6.9451E-06	7.1888E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.78E-11	1,000,000	9.78E-05
3	1.14	6.9451E-06	7.9039E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
4	1.24	6.9451E-06	8.6363E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
5	1.35	6.9451E-06	9.3556E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
6	1.44	6.9451E-06	1.0007E-05	3.46E-04	3.46E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
7	1.51	6.9451E-06	1.0509E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
8	1.56	6.9451E-06	1.0808E-05	3.46E-04	3.74E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
9	1.57	6.9451E-06	1.0869E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
10	1.54	6.9451E-06	1.0663E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
11	1.47	6.9451E-06	1.0223E-05	3.46E-04	3.54E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
12	1.38	6.9451E-06	9.6148E-06	3.46E-04	3.33E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
13	1.28	6.9451E-06	8.9086E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
14	1.18	6.9451E-06	8.1666E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
15	1.07	6.9451E-06	7.436E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
16	0.97	6.9451E-06	6.7392E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.16E-11	1,000,000	9.16E-05
17	0.88	6.9451E-06	6.1092E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.31E-11	1,000,000	8.31E-05
18	0.80	6.9451E-06	5.5366E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.53E-11	1,000,000	7.53E-05
19	0.72	6.9451E-06	5.0184E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.82E-11	1,000,000	6.82E-05
20	0.66	6.9451E-06	4.5669E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.21E-11	1,000,000	6.21E-05
21	0.60	6.9451E-06	4.1645E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.66E-11	1,000,000	5.66E-05
22	0.55	6.9451E-06	3.8037E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.17E-11	1,000,000	5.17E-05
23	1.05	6.9451E-06	7.2686E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.88E-11	1,000,000	9.88E-05
24	1.17	6.9451E-06	8.1364E-06	3.46E-04	2.82E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
25	1.31	6.9451E-06	9.0938E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
26	1.46	6.9451E-06	1.0117E-05	3.46E-04	3.50E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.61	6.9451E-06	1.1152E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
28	1.75	6.9451E-06	1.2135E-05	3.46E-04	4.20E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
29	1.86	6.9451E-06	1.2911E-05	3.46E-04	4.47E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
30	1.93	6.9451E-06	1.3404E-05	3.46E-04	4.64E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
31	1.94	6.9451E-06	1.3488E-05	3.46E-04	4.67E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
32	1.89	6.9451E-06	1.3155E-05	3.46E-04	4.55E-09	0.25	1.57E-01	1.79E-10	1,000,000	1.79E-04
33	1.79	6.9451E-06	1.2458E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
34	1.66	6.9451E-06	1.1547E-05	3.46E-04	4.00E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
35	1.52	6.9451E-06	1.0525E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
36	1.37	6.9451E-06	9.4916E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
37	1.22	6.9451E-06	8.477E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
38	1.09	6.9451E-06	7.5706E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
39	0.98	6.9451E-06	6.7774E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.22E-11	1,000,000	9.22E-05
40	0.87	6.9451E-06	6.0705E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.26E-11	1,000,000	8.26E-05
41	0.78	6.9451E-06	5.4465E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.41E-11	1,000,000	7.41E-05
42	0.71	6.9451E-06	4.903E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
43	0.64	6.9451E-06	4.4296E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.02E-11	1,000,000	6.02E-05
44	0.58	6.9451E-06	4.037E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.49E-11	1,000,000	5.49E-05
45	1.17	6.9451E-06	8.1003E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
46	1.33	6.9451E-06	9.2245E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
47	1.51	6.9451E-06	1.0519E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
48	1.72	6.9451E-06	1.1968E-05	3.46E-04	4.14E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
49	1.95	6.9451E-06	1.351E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
50	2.16	6.9451E-06	1.5026E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
51	2.35	6.9451E-06	1.6316E-05	3.46E-04	5.65E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
52	2.47	6.9451E-06	1.7136E-05	3.46E-04	5.93E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.49	6.9451E-06	1.7299E-05	3.46E-04	5.99E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
54	2.41	6.9451E-06	1.672E-05	3.46E-04	5.79E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
55	2.24	6.9451E-06	1.5577E-05	3.46E-04	5.39E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
56	2.03	6.9451E-06	1.4119E-05	3.46E-04	4.89E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
57	1.81	6.9451E-06	1.2567E-05	3.46E-04	4.35E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
58	1.60	6.9451E-06	1.1103E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
59	1.40	6.9451E-06	9.7124E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
60	1.23	6.9451E-06	8.5188E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
61	1.08	6.9451E-06	7.5126E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
62	0.96	6.9451E-06	6.639E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.03E-11	1,000,000	9.03E-05
63	0.85	6.9451E-06	5.8953E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.02E-11	1,000,000	8.02E-05
64	0.76	6.9451E-06	5.2649E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
65	0.68	6.9451E-06	4.7311E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
66	0.62	6.9451E-06	4.2746E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
67	1.30	6.9451E-06	8.9992E-06	3.46E-04	3.12E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
68	1.50	6.9451E-06	1.0447E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
69	1.76	6.9451E-06	1.2197E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
70	2.05	6.9451E-06	1.4264E-05	3.46E-04	4.94E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
71	2.39	6.9451E-06	1.6619E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
72	2.75	6.9451E-06	1.9101E-05	3.46E-04	6.61E-09	0.25	1.57E-01	2.60E-10	1,000,000	2.60E-04
73	3.08	6.9451E-06	2.1371E-05	3.46E-04	7.40E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
74	3.29	6.9451E-06	2.2868E-05	3.46E-04	7.92E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
75	3.33	6.9451E-06	2.3152E-05	3.46E-04	8.01E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
76	3.18	6.9451E-06	2.2114E-05	3.46E-04	7.66E-09	0.25	1.57E-01	3.01E-10	1,000,000	3.01E-04
77	2.89	6.9451E-06	2.0104E-05	3.46E-04	6.96E-09	0.25	1.57E-01	2.73E-10	1,000,000	2.73E-04
78	2.55	6.9451E-06	1.7685E-05	3.46E-04	6.12E-09	0.25	1.57E-01	2.41E-10	1,000,000	2.41E-04
79	2.19	6.9451E-06	1.5225E-05	3.46E-04	5.27E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
80	1.88	6.9451E-06	1.3029E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
81	1.61	6.9451E-06	1.1152E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
82	1.38	6.9451E-06	9.6093E-06	3.46E-04	3.33E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
83	1.20	6.9451E-06	8.3121E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
84	1.04	6.9451E-06	7.2525E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.86E-11	1,000,000	9.86E-05
85	0.91	6.9451E-06	6.3459E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.63E-11	1,000,000	8.63E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	0.81	6.9451E-06	5.6357E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
87	0.72	6.9451E-06	5.0249E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.83E-11	1,000,000	6.83E-05
88	0.65	6.9451E-06	4.5147E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.14E-11	1,000,000	6.14E-05
89	1.43	6.9451E-06	9.9298E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
90	1.69	6.9451E-06	1.177E-05	3.46E-04	4.07E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
91	2.03	6.9451E-06	1.411E-05	3.46E-04	4.88E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
92	2.46	6.9451E-06	1.7074E-05	3.46E-04	5.91E-09	0.25	1.57E-01	2.32E-10	1,000,000	2.32E-04
93	2.99	6.9451E-06	2.0737E-05	3.46E-04	7.18E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
94	3.60	6.9451E-06	2.4968E-05	3.46E-04	8.64E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
95	4.21	6.9451E-06	2.9259E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
96	4.67	6.9451E-06	3.2411E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.41E-10	1,000,000	4.41E-04
97	4.76	6.9451E-06	3.309E-05	3.46E-04	1.15E-08	0.25	1.57E-01	4.50E-10	1,000,000	4.50E-04
98	4.45	6.9451E-06	3.0878E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.20E-10	1,000,000	4.20E-04
99	3.87	6.9451E-06	2.6865E-05	3.46E-04	9.30E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
100	3.24	6.9451E-06	2.2509E-05	3.46E-04	7.79E-09	0.25	1.57E-01	3.06E-10	1,000,000	3.06E-04
101	2.68	6.9451E-06	1.8579E-05	3.46E-04	6.43E-09	0.25	1.57E-01	2.53E-10	1,000,000	2.53E-04
102	2.21	6.9451E-06	1.5346E-05	3.46E-04	5.31E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
103	1.84	6.9451E-06	1.2791E-05	3.46E-04	4.43E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
104	1.55	6.9451E-06	1.076E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
105	1.32	6.9451E-06	9.1701E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
106	1.14	6.9451E-06	7.8904E-06	3.46E-04	2.73E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
107	0.99	6.9451E-06	6.8531E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.32E-11	1,000,000	9.32E-05
108	0.87	6.9451E-06	6.014E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.18E-11	1,000,000	8.18E-05
109	0.77	6.9451E-06	5.3229E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
110	0.69	6.9451E-06	4.7575E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.47E-11	1,000,000	6.47E-05
111	1.56	6.9451E-06	1.0831E-05	3.46E-04	3.75E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
112	1.89	6.9451E-06	1.3117E-05	3.46E-04	4.54E-09	0.25	1.57E-01	1.78E-10	1,000,000	1.78E-04
113	2.33	6.9451E-06	1.6181E-05	3.46E-04	5.60E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
114	2.93	6.9451E-06	2.0355E-05	3.46E-04	7.05E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
115	3.75	6.9451E-06	2.6045E-05	3.46E-04	9.02E-09	0.25	1.57E-01	3.54E-10	1,000,000	3.54E-04
116	4.83	6.9451E-06	3.3558E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.56E-10	1,000,000	4.56E-04
117	6.12	6.9451E-06	4.2526E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.78E-10	1,000,000	5.78E-04
118	7.26	6.9451E-06	5.0387E-05	3.46E-04	1.74E-08	0.25	1.57E-01	6.85E-10	1,000,000	6.85E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	7.52	6.9451E-06	5.2251E-05	3.46E-04	1.81E-08	0.25	1.57E-01	7.11E-10	1,000,000	7.11E-04
120	6.71	6.9451E-06	4.6603E-05	3.46E-04	1.61E-08	0.25	1.57E-01	6.34E-10	1,000,000	6.34E-04
121	5.42	6.9451E-06	3.765E-05	3.46E-04	1.30E-08	0.25	1.57E-01	5.12E-10	1,000,000	5.12E-04
122	4.21	6.9451E-06	2.9269E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
123	3.29	6.9451E-06	2.282E-05	3.46E-04	7.90E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
124	2.60	6.9451E-06	1.8082E-05	3.46E-04	6.26E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
125	2.10	6.9451E-06	1.4616E-05	3.46E-04	5.06E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
126	1.73	6.9451E-06	1.2017E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
127	1.45	6.9451E-06	1.0066E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
128	1.23	6.9451E-06	8.5549E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
129	1.06	6.9451E-06	7.353E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
130	0.92	6.9451E-06	6.4052E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.71E-11	1,000,000	8.71E-05
131	0.81	6.9451E-06	5.6301E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
132	0.72	6.9451E-06	5.0019E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.80E-11	1,000,000	6.80E-05
133	1.67	6.9451E-06	1.1614E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
134	2.06	6.9451E-06	1.4339E-05	3.46E-04	4.96E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
135	2.62	6.9451E-06	1.8181E-05	3.46E-04	6.29E-09	0.25	1.57E-01	2.47E-10	1,000,000	2.47E-04
136	3.43	6.9451E-06	2.3826E-05	3.46E-04	8.25E-09	0.25	1.57E-01	3.24E-10	1,000,000	3.24E-04
137	4.67	6.9451E-06	3.2414E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.41E-10	1,000,000	4.41E-04
138	6.61	6.9451E-06	4.5878E-05	3.46E-04	1.59E-08	0.25	1.57E-01	6.24E-10	1,000,000	6.24E-04
139	9.56	6.9451E-06	6.6402E-05	3.46E-04	2.30E-08	0.25	1.57E-01	9.03E-10	1,000,000	9.03E-04
140	13.13	6.9451E-06	9.1191E-05	3.46E-04	3.16E-08	0.25	1.57E-01	1.24E-09	1,000,000	1.24E-03
141	14.17	6.9451E-06	9.843E-05	3.46E-04	3.41E-08	0.25	1.57E-01	1.34E-09	1,000,000	1.34E-03
142	11.32	6.9451E-06	7.8645E-05	3.46E-04	2.72E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
143	7.92	6.9451E-06	5.5029E-05	3.46E-04	1.90E-08	0.25	1.57E-01	7.48E-10	1,000,000	7.48E-04
144	5.55	6.9451E-06	3.8518E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.24E-10	1,000,000	5.24E-04
145	4.03	6.9451E-06	2.8016E-05	3.46E-04	9.70E-09	0.25	1.57E-01	3.81E-10	1,000,000	3.81E-04
146	3.05	6.9451E-06	2.1195E-05	3.46E-04	7.34E-09	0.25	1.57E-01	2.88E-10	1,000,000	2.88E-04
147	2.39	6.9451E-06	1.6606E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
148	1.92	6.9451E-06	1.3356E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
149	1.59	6.9451E-06	1.1012E-05	3.46E-04	3.81E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
150	1.33	6.9451E-06	9.2252E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
151	1.13	6.9451E-06	7.8545E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	0.98	6.9451E-06	6.7923E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
153	0.85	6.9451E-06	5.9369E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.07E-11	1,000,000	8.07E-05
154	0.76	6.9451E-06	5.2438E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.13E-11	1,000,000	7.13E-05
155	1.60	6.9451E-06	1.1111E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
156	2.06	6.9451E-06	1.4287E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
157	2.85	6.9451E-06	1.9798E-05	3.46E-04	6.85E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
158	3.86	6.9451E-06	2.6841E-05	3.46E-04	9.29E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
159	5.58	6.9451E-06	3.8743E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.27E-10	1,000,000	5.27E-04
160	8.78	6.9451E-06	6.0979E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.29E-10	1,000,000	8.29E-04
161	15.59	6.9451E-06	0.00010829	3.46E-04	3.75E-08	0.25	1.57E-01	1.47E-09	1,000,000	1.47E-03
162	31.10	6.9451E-06	0.00021599	3.46E-04	7.48E-08	0.25	1.57E-01	2.94E-09	1,000,000	2.94E-03
163	40.91	6.9451E-06	0.00028414	3.46E-04	9.84E-08	0.25	1.57E-01	3.86E-09	1,000,000	3.86E-03
164	22.07	6.9451E-06	0.00015331	3.46E-04	5.31E-08	0.25	1.57E-01	2.08E-09	1,000,000	2.08E-03
165	11.89	6.9451E-06	8.2594E-05	3.46E-04	2.86E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
166	7.28	6.9451E-06	5.0582E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.88E-10	1,000,000	6.88E-04
167	4.91	6.9451E-06	3.4103E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.64E-10	1,000,000	4.64E-04
168	3.55	6.9451E-06	2.4637E-05	3.46E-04	8.53E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
169	2.70	6.9451E-06	1.8723E-05	3.46E-04	6.48E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
170	2.12	6.9451E-06	1.4732E-05	3.46E-04	5.10E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
171	1.72	6.9451E-06	1.1922E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
172	1.43	6.9451E-06	9.9035E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
173	1.20	6.9451E-06	8.3605E-06	3.46E-04	2.89E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
174	1.03	6.9451E-06	7.1729E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.75E-11	1,000,000	9.75E-05
175	0.90	6.9451E-06	6.2408E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.49E-11	1,000,000	8.49E-05
176	0.79	6.9451E-06	5.4857E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.46E-11	1,000,000	7.46E-05
177	1.53	6.9451E-06	1.0594E-05	3.46E-04	3.67E-09	0.25	1.57E-01	1.44E-10	1,000,000	1.44E-04
178	2.02	6.9451E-06	1.4008E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
179	2.80	6.9451E-06	1.9428E-05	3.46E-04	6.73E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
180	4.12	6.9451E-06	2.8601E-05	3.46E-04	9.90E-09	0.25	1.57E-01	3.89E-10	1,000,000	3.89E-04
181	6.15	6.9451E-06	4.2745E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.81E-10	1,000,000	5.81E-04
182	10.41	6.9451E-06	7.2303E-05	3.46E-04	2.50E-08	0.25	1.57E-01	9.83E-10	1,000,000	9.83E-04
183	22.16	6.9451E-06	0.00015389	3.46E-04	5.33E-08	0.25	1.57E-01	2.09E-09	1,000,000	2.09E-03
184	2.97	6.9451E-06	2.0635E-05	3.46E-04	7.14E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	2.29	6.9451E-06	1.5935E-05	3.46E-04	5.52E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
186	1.84	6.9451E-06	1.2799E-05	3.46E-04	4.43E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
187	1.51	6.9451E-06	1.0511E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
188	1.27	6.9451E-06	8.8084E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
189	1.08	6.9451E-06	7.5178E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
190	0.94	6.9451E-06	6.5068E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.85E-11	1,000,000	8.85E-05
191	0.82	6.9451E-06	5.6964E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.75E-11	1,000,000	7.75E-05
192	1.40	6.9451E-06	9.7432E-06	3.46E-04	3.37E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
193	1.83	6.9451E-06	1.2679E-05	3.46E-04	4.39E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
194	2.50	6.9451E-06	1.7354E-05	3.46E-04	6.01E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
195	3.61	6.9451E-06	2.5073E-05	3.46E-04	8.68E-09	0.25	1.57E-01	3.41E-10	1,000,000	3.41E-04
196	5.66	6.9451E-06	3.9314E-05	3.46E-04	1.36E-08	0.25	1.57E-01	5.35E-10	1,000,000	5.35E-04
197	9.55	6.9451E-06	6.6291E-05	3.46E-04	2.29E-08	0.25	1.57E-01	9.02E-10	1,000,000	9.02E-04
198	21.10	6.9451E-06	0.00014656	3.46E-04	5.07E-08	0.25	1.57E-01	1.99E-09	1,000,000	1.99E-03
199	44.06	6.9451E-06	0.00030601	3.46E-04	1.06E-07	0.25	1.57E-01	4.16E-09	1,000,000	4.16E-03
200	3.13	6.9451E-06	2.174E-05	3.46E-04	7.53E-09	0.25	1.57E-01	2.96E-10	1,000,000	2.96E-04
201	2.41	6.9451E-06	1.6745E-05	3.46E-04	5.80E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
202	1.92	6.9451E-06	1.3336E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
203	1.57	6.9451E-06	1.0928E-05	3.46E-04	3.78E-09	0.25	1.57E-01	1.49E-10	1,000,000	1.49E-04
204	1.32	6.9451E-06	9.1358E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
205	1.12	6.9451E-06	7.7726E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
206	0.97	6.9451E-06	6.7085E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.12E-11	1,000,000	9.12E-05
207	0.84	6.9451E-06	5.8638E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.97E-11	1,000,000	7.97E-05
208	1.23	6.9451E-06	8.5747E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
209	1.59	6.9451E-06	1.1077E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
210	2.05	6.9451E-06	1.426E-05	3.46E-04	4.94E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
211	2.94	6.9451E-06	2.0413E-05	3.46E-04	7.07E-09	0.25	1.57E-01	2.78E-10	1,000,000	2.78E-04
212	4.31	6.9451E-06	2.9945E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.07E-10	1,000,000	4.07E-04
213	6.92	6.9451E-06	4.8074E-05	3.46E-04	1.66E-08	0.25	1.57E-01	6.54E-10	1,000,000	6.54E-04
214	12.78	6.9451E-06	8.8732E-05	3.46E-04	3.07E-08	0.25	1.57E-01	1.21E-09	1,000,000	1.21E-03
215	23.90	6.9451E-06	0.000166	3.46E-04	5.75E-08	0.25	1.57E-01	2.26E-09	1,000,000	2.26E-03
216	32.23	6.9451E-06	0.00022385	3.46E-04	7.75E-08	0.25	1.57E-01	3.04E-09	1,000,000	3.04E-03
217	21.89	6.9451E-06	0.00015203	3.46E-04	5.26E-08	0.25	1.57E-01	2.07E-09	1,000,000	2.07E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	4.09	6.9451E-06	2.8408E-05	3.46E-04	9.83E-09	0.25	1.57E-01	3.86E-10	1,000,000	3.86E-04
219	3.08	6.9451E-06	2.1397E-05	3.46E-04	7.41E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
220	2.41	6.9451E-06	1.6707E-05	3.46E-04	5.78E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
221	1.93	6.9451E-06	1.3425E-05	3.46E-04	4.65E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
222	1.59	6.9451E-06	1.104E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
223	1.33	6.9451E-06	9.2536E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
224	1.13	6.9451E-06	7.8822E-06	3.46E-04	2.73E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
225	0.98	6.9451E-06	6.8059E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.26E-11	1,000,000	9.26E-05
226	0.86	6.9451E-06	5.9499E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.09E-11	1,000,000	8.09E-05
227	1.05	6.9451E-06	7.3248E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.96E-11	1,000,000	9.96E-05
228	1.32	6.9451E-06	9.1454E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
229	1.69	6.9451E-06	1.1705E-05	3.46E-04	4.05E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
230	2.26	6.9451E-06	1.5718E-05	3.46E-04	5.44E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
231	3.17	6.9451E-06	2.2015E-05	3.46E-04	7.62E-09	0.25	1.57E-01	2.99E-10	1,000,000	2.99E-04
232	4.47	6.9451E-06	3.1047E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
233	6.97	6.9451E-06	4.8374E-05	3.46E-04	1.67E-08	0.25	1.57E-01	6.58E-10	1,000,000	6.58E-04
234	9.70	6.9451E-06	6.7354E-05	3.46E-04	2.33E-08	0.25	1.57E-01	9.16E-10	1,000,000	9.16E-04
235	11.58	6.9451E-06	8.0435E-05	3.46E-04	2.78E-08	0.25	1.57E-01	1.09E-09	1,000,000	1.09E-03
236	10.87	6.9451E-06	7.5474E-05	3.46E-04	2.61E-08	0.25	1.57E-01	1.03E-09	1,000,000	1.03E-03
237	8.36	6.9451E-06	5.8058E-05	3.46E-04	2.01E-08	0.25	1.57E-01	7.90E-10	1,000,000	7.90E-04
238	6.25	6.9451E-06	4.3372E-05	3.46E-04	1.50E-08	0.25	1.57E-01	5.90E-10	1,000,000	5.90E-04
239	4.70	6.9451E-06	3.261E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.43E-10	1,000,000	4.43E-04
240	3.60	6.9451E-06	2.5017E-05	3.46E-04	8.66E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
241	2.83	6.9451E-06	1.9639E-05	3.46E-04	6.80E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
242	2.27	6.9451E-06	1.5766E-05	3.46E-04	5.46E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
243	1.86	6.9451E-06	1.291E-05	3.46E-04	4.47E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
244	1.55	6.9451E-06	1.0756E-05	3.46E-04	3.72E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
245	1.31	6.9451E-06	9.1025E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
246	1.12	6.9451E-06	7.8065E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
247	0.98	6.9451E-06	6.7742E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.21E-11	1,000,000	9.21E-05
248	0.86	6.9451E-06	5.9423E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.08E-11	1,000,000	8.08E-05
249	0.90	6.9451E-06	6.2474E-06	3.46E-04	2.16E-09	0.25	1.57E-01	8.50E-11	1,000,000	8.50E-05
250	1.09	6.9451E-06	7.5578E-06	3.46E-04	2.62E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.34	6.9451E-06	9.2983E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
252	1.73	6.9451E-06	1.2019E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
253	2.25	6.9451E-06	1.5607E-05	3.46E-04	5.40E-09	0.25	1.57E-01	2.12E-10	1,000,000	2.12E-04
254	3.11	6.9451E-06	2.1574E-05	3.46E-04	7.47E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
255	4.06	6.9451E-06	2.8214E-05	3.46E-04	9.77E-09	0.25	1.57E-01	3.84E-10	1,000,000	3.84E-04
256	5.33	6.9451E-06	3.7043E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.04E-10	1,000,000	5.04E-04
257	5.81	6.9451E-06	4.0343E-05	3.46E-04	1.40E-08	0.25	1.57E-01	5.49E-10	1,000,000	5.49E-04
258	5.68	6.9451E-06	3.945E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.36E-10	1,000,000	5.36E-04
259	5.34	6.9451E-06	3.7115E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.05E-10	1,000,000	5.05E-04
260	4.53	6.9451E-06	3.1455E-05	3.46E-04	1.09E-08	0.25	1.57E-01	4.28E-10	1,000,000	4.28E-04
261	3.69	6.9451E-06	2.5601E-05	3.46E-04	8.86E-09	0.25	1.57E-01	3.48E-10	1,000,000	3.48E-04
262	3.00	6.9451E-06	2.0852E-05	3.46E-04	7.22E-09	0.25	1.57E-01	2.84E-10	1,000,000	2.84E-04
263	2.47	6.9451E-06	1.7122E-05	3.46E-04	5.93E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
264	2.05	6.9451E-06	1.4212E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
265	1.72	6.9451E-06	1.1931E-05	3.46E-04	4.13E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
266	1.46	6.9451E-06	1.013E-05	3.46E-04	3.51E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
267	1.25	6.9451E-06	8.6981E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
268	1.09	6.9451E-06	7.5424E-06	3.46E-04	2.61E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
269	0.95	6.9451E-06	6.6003E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
270	0.84	6.9451E-06	5.8263E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.92E-11	1,000,000	7.92E-05
271	0.75	6.9451E-06	5.18E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.04E-11	1,000,000	7.04E-05
272	0.88	6.9451E-06	6.0987E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.29E-11	1,000,000	8.29E-05
273	1.06	6.9451E-06	7.3721E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
274	1.30	6.9451E-06	9.0085E-06	3.46E-04	3.12E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
275	1.61	6.9451E-06	1.1163E-05	3.46E-04	3.86E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
276	2.05	6.9451E-06	1.4212E-05	3.46E-04	4.92E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
277	2.55	6.9451E-06	1.7684E-05	3.46E-04	6.12E-09	0.25	1.57E-01	2.40E-10	1,000,000	2.40E-04
278	2.99	6.9451E-06	2.0756E-05	3.46E-04	7.18E-09	0.25	1.57E-01	2.82E-10	1,000,000	2.82E-04
279	3.40	6.9451E-06	2.3582E-05	3.46E-04	8.16E-09	0.25	1.57E-01	3.21E-10	1,000,000	3.21E-04
280	3.54	6.9451E-06	2.4578E-05	3.46E-04	8.51E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
281	3.52	6.9451E-06	2.4412E-05	3.46E-04	8.45E-09	0.25	1.57E-01	3.32E-10	1,000,000	3.32E-04
282	3.33	6.9451E-06	2.3133E-05	3.46E-04	8.01E-09	0.25	1.57E-01	3.15E-10	1,000,000	3.15E-04
283	2.89	6.9451E-06	2.0054E-05	3.46E-04	6.94E-09	0.25	1.57E-01	2.73E-10	1,000,000	2.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.48	6.9451E-06	1.719E-05	3.46E-04	5.95E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
285	2.09	6.9451E-06	1.455E-05	3.46E-04	5.04E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
286	1.79	6.9451E-06	1.2458E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
287	1.54	6.9451E-06	1.0729E-05	3.46E-04	3.71E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
288	1.34	6.9451E-06	9.3009E-06	3.46E-04	3.22E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
289	1.17	6.9451E-06	8.1165E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
290	1.03	6.9451E-06	7.1318E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.70E-11	1,000,000	9.70E-05
291	0.91	6.9451E-06	6.3089E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
292	0.81	6.9451E-06	5.6166E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.64E-11	1,000,000	7.64E-05
293	0.62	6.9451E-06	4.3241E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.88E-11	1,000,000	5.88E-05
294	0.72	6.9451E-06	5.0205E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.83E-11	1,000,000	6.83E-05
295	0.85	6.9451E-06	5.8696E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.98E-11	1,000,000	7.98E-05
296	0.99	6.9451E-06	6.8556E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.32E-11	1,000,000	9.32E-05
297	1.20	6.9451E-06	8.2997E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
298	1.43	6.9451E-06	9.9272E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
299	1.70	6.9451E-06	1.1784E-05	3.46E-04	4.08E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
300	2.02	6.9451E-06	1.3997E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
301	2.16	6.9451E-06	1.4967E-05	3.46E-04	5.18E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
302	2.37	6.9451E-06	1.6444E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
303	2.42	6.9451E-06	1.6818E-05	3.46E-04	5.82E-09	0.25	1.57E-01	2.29E-10	1,000,000	2.29E-04
304	2.42	6.9451E-06	1.6791E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
305	2.22	6.9451E-06	1.545E-05	3.46E-04	5.35E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
306	1.97	6.9451E-06	1.3706E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
307	1.77	6.9451E-06	1.2326E-05	3.46E-04	4.27E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
308	1.59	6.9451E-06	1.1069E-05	3.46E-04	3.83E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
309	1.37	6.9451E-06	9.5148E-06	3.46E-04	3.29E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
310	1.21	6.9451E-06	8.3993E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
311	1.07	6.9451E-06	7.4479E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
312	0.96	6.9451E-06	6.6354E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.02E-11	1,000,000	9.02E-05
313	0.85	6.9451E-06	5.9362E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.07E-11	1,000,000	8.07E-05
314	0.77	6.9451E-06	5.3356E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.26E-11	1,000,000	7.26E-05
315	0.51	6.9451E-06	3.5414E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
316	0.58	6.9451E-06	4.0586E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.52E-11	1,000,000	5.52E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.67	6.9451E-06	4.647E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.32E-11	1,000,000	6.32E-05
318	0.77	6.9451E-06	5.3143E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
319	0.87	6.9451E-06	6.0353E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.21E-11	1,000,000	8.21E-05
320	1.06	6.9451E-06	7.348E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.99E-11	1,000,000	9.99E-05
321	1.20	6.9451E-06	8.3285E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
322	1.36	6.9451E-06	9.4533E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
323	1.54	6.9451E-06	1.0692E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
324	1.66	6.9451E-06	1.1512E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
325	1.74	6.9451E-06	1.209E-05	3.46E-04	4.19E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
326	1.77	6.9451E-06	1.2289E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
327	1.88	6.9451E-06	1.3042E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
328	1.54	6.9451E-06	1.0669E-05	3.46E-04	3.69E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
329	1.43	6.9451E-06	9.9301E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
330	1.34	6.9451E-06	9.3347E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
331	1.23	6.9451E-06	8.5371E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
332	1.11	6.9451E-06	7.7236E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
333	1.01	6.9451E-06	7.0146E-06	3.46E-04	2.43E-09	0.25	1.57E-01	9.54E-11	1,000,000	9.54E-05
334	0.88	6.9451E-06	6.1066E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.30E-11	1,000,000	8.30E-05
335	0.80	6.9451E-06	5.5238E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.51E-11	1,000,000	7.51E-05
336	0.72	6.9451E-06	5.0124E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.82E-11	1,000,000	6.82E-05
337	0.43	6.9451E-06	3.0023E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
338	0.48	6.9451E-06	3.3621E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
339	0.54	6.9451E-06	3.7289E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
340	0.61	6.9451E-06	4.268E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.80E-11	1,000,000	5.80E-05
341	0.69	6.9451E-06	4.7649E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.48E-11	1,000,000	6.48E-05
342	0.81	6.9451E-06	5.6179E-06	3.46E-04	1.94E-09	0.25	1.57E-01	7.64E-11	1,000,000	7.64E-05
343	0.89	6.9451E-06	6.204E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05
344	1.00	6.9451E-06	6.9777E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.49E-11	1,000,000	9.49E-05
345	1.11	6.9451E-06	7.7065E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
346	1.23	6.9451E-06	8.5224E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
347	1.27	6.9451E-06	8.8396E-06	3.46E-04	3.06E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
348	1.31	6.9451E-06	9.1152E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
349	1.18	6.9451E-06	8.2094E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.15	6.9451E-06	8.0135E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
351	1.12	6.9451E-06	7.8028E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
352	1.06	6.9451E-06	7.3561E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
353	1.04	6.9451E-06	7.2431E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.85E-11	1,000,000	9.85E-05
354	0.99	6.9451E-06	6.8413E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.30E-11	1,000,000	9.30E-05
355	0.92	6.9451E-06	6.3561E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.64E-11	1,000,000	8.64E-05
356	0.84	6.9451E-06	5.8159E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
357	0.74	6.9451E-06	5.1053E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
358	0.67	6.9451E-06	4.6733E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.36E-11	1,000,000	6.36E-05
359	0.36	6.9451E-06	2.5077E-06	3.46E-04	8.68E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
360	0.40	6.9451E-06	2.7965E-06	3.46E-04	9.68E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
361	0.45	6.9451E-06	3.0943E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.21E-11	1,000,000	4.21E-05
362	0.49	6.9451E-06	3.4316E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
363	0.54	6.9451E-06	3.77E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05
364	0.62	6.9451E-06	4.2794E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
365	0.69	6.9451E-06	4.8019E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.53E-11	1,000,000	6.53E-05
366	0.77	6.9451E-06	5.3627E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.29E-11	1,000,000	7.29E-05
367	0.87	6.9451E-06	6.0101E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.17E-11	1,000,000	8.17E-05
368	0.92	6.9451E-06	6.4017E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.71E-11	1,000,000	8.71E-05
369	0.94	6.9451E-06	6.5239E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05
370	0.92	6.9451E-06	6.4024E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.71E-11	1,000,000	8.71E-05
371	0.93	6.9451E-06	6.4242E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.74E-11	1,000,000	8.74E-05
372	0.91	6.9451E-06	6.3092E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05
373	0.87	6.9451E-06	6.0287E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.20E-11	1,000,000	8.20E-05
374	0.83	6.9451E-06	5.777E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.86E-11	1,000,000	7.86E-05
375	0.84	6.9451E-06	5.8412E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.94E-11	1,000,000	7.94E-05
376	0.82	6.9451E-06	5.665E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.70E-11	1,000,000	7.70E-05
377	0.79	6.9451E-06	5.5175E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.50E-11	1,000,000	7.50E-05
378	0.76	6.9451E-06	5.2617E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
379	0.71	6.9451E-06	4.9112E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
380	0.66	6.9451E-06	4.5824E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.23E-11	1,000,000	6.23E-05
381	1.52	6.9451E-06	1.0547E-05	3.46E-04	3.65E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
382	1.75	6.9451E-06	1.2166E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	2.01	6.9451E-06	1.3993E-05	3.46E-04	4.84E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
384	2.29	6.9451E-06	1.5933E-05	3.46E-04	5.52E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
385	2.56	6.9451E-06	1.7793E-05	3.46E-04	6.16E-09	0.25	1.57E-01	2.42E-10	1,000,000	2.42E-04
386	2.77	6.9451E-06	1.923E-05	3.46E-04	6.66E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
387	2.86	6.9451E-06	1.9885E-05	3.46E-04	6.88E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
388	2.82	6.9451E-06	1.9601E-05	3.46E-04	6.79E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
389	2.65	6.9451E-06	1.8436E-05	3.46E-04	6.38E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04
390	2.41	6.9451E-06	1.6709E-05	3.46E-04	5.78E-09	0.25	1.57E-01	2.27E-10	1,000,000	2.27E-04
391	2.13	6.9451E-06	1.4769E-05	3.46E-04	5.11E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
392	1.85	6.9451E-06	1.2881E-05	3.46E-04	4.46E-09	0.25	1.57E-01	1.75E-10	1,000,000	1.75E-04
393	1.61	6.9451E-06	1.1174E-05	3.46E-04	3.87E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
394	1.40	6.9451E-06	9.7086E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
395	1.22	6.9451E-06	8.4447E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
396	1.06	6.9451E-06	7.3897E-06	3.46E-04	2.56E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
397	0.94	6.9451E-06	6.5083E-06	3.46E-04	2.25E-09	0.25	1.57E-01	8.85E-11	1,000,000	8.85E-05
398	0.83	6.9451E-06	5.7655E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.84E-11	1,000,000	7.84E-05
399	1.74	6.9451E-06	1.2061E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
400	2.06	6.9451E-06	1.4307E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
401	2.45	6.9451E-06	1.7023E-05	3.46E-04	5.89E-09	0.25	1.57E-01	2.31E-10	1,000,000	2.31E-04
402	2.90	6.9451E-06	2.0135E-05	3.46E-04	6.97E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
403	3.36	6.9451E-06	2.3355E-05	3.46E-04	8.08E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
404	3.75	6.9451E-06	2.6035E-05	3.46E-04	9.01E-09	0.25	1.57E-01	3.54E-10	1,000,000	3.54E-04
405	3.94	6.9451E-06	2.7376E-05	3.46E-04	9.48E-09	0.25	1.57E-01	3.72E-10	1,000,000	3.72E-04
406	3.86	6.9451E-06	2.6827E-05	3.46E-04	9.29E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
407	3.54	6.9451E-06	2.4594E-05	3.46E-04	8.51E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
408	3.10	6.9451E-06	2.1522E-05	3.46E-04	7.45E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
409	2.64	6.9451E-06	1.8309E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
410	2.22	6.9451E-06	1.5399E-05	3.46E-04	5.33E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
411	1.87	6.9451E-06	1.2984E-05	3.46E-04	4.49E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
412	1.59	6.9451E-06	1.1022E-05	3.46E-04	3.82E-09	0.25	1.57E-01	1.50E-10	1,000,000	1.50E-04
413	1.36	6.9451E-06	9.4118E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
414	1.17	6.9451E-06	8.1141E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
415	1.02	6.9451E-06	7.0549E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.59E-11	1,000,000	9.59E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	0.89	6.9451E-06	6.1732E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.40E-11	1,000,000	8.40E-05
417	1.97	6.9451E-06	1.3703E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
418	2.42	6.9451E-06	1.6781E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
419	3.00	6.9451E-06	2.0807E-05	3.46E-04	7.20E-09	0.25	1.57E-01	2.83E-10	1,000,000	2.83E-04
420	3.73	6.9451E-06	2.592E-05	3.46E-04	8.97E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
421	4.60	6.9451E-06	3.192E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.34E-10	1,000,000	4.34E-04
422	5.43	6.9451E-06	3.7726E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.13E-10	1,000,000	5.13E-04
423	5.90	6.9451E-06	4.0974E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.57E-10	1,000,000	5.57E-04
424	5.71	6.9451E-06	3.9683E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.40E-10	1,000,000	5.40E-04
425	4.99	6.9451E-06	3.4636E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.71E-10	1,000,000	4.71E-04
426	4.11	6.9451E-06	2.8542E-05	3.46E-04	9.88E-09	0.25	1.57E-01	3.88E-10	1,000,000	3.88E-04
427	3.30	6.9451E-06	2.2948E-05	3.46E-04	7.94E-09	0.25	1.57E-01	3.12E-10	1,000,000	3.12E-04
428	2.66	6.9451E-06	1.8501E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
429	2.17	6.9451E-06	1.5077E-05	3.46E-04	5.22E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
430	1.79	6.9451E-06	1.2451E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
431	1.50	6.9451E-06	1.0434E-05	3.46E-04	3.61E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
432	1.28	6.9451E-06	8.8636E-06	3.46E-04	3.07E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
433	1.10	6.9451E-06	7.6392E-06	3.46E-04	2.64E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
434	0.95	6.9451E-06	6.6285E-06	3.46E-04	2.29E-09	0.25	1.57E-01	9.01E-11	1,000,000	9.01E-05
435	2.21	6.9451E-06	1.5336E-05	3.46E-04	5.31E-09	0.25	1.57E-01	2.09E-10	1,000,000	2.09E-04
436	2.80	6.9451E-06	1.9433E-05	3.46E-04	6.73E-09	0.25	1.57E-01	2.64E-10	1,000,000	2.64E-04
437	3.64	6.9451E-06	2.529E-05	3.46E-04	8.75E-09	0.25	1.57E-01	3.44E-10	1,000,000	3.44E-04
438	4.86	6.9451E-06	3.3726E-05	3.46E-04	1.17E-08	0.25	1.57E-01	4.59E-10	1,000,000	4.59E-04
439	6.57	6.9451E-06	4.56E-05	3.46E-04	1.58E-08	0.25	1.57E-01	6.20E-10	1,000,000	6.20E-04
440	8.62	6.9451E-06	5.9872E-05	3.46E-04	2.07E-08	0.25	1.57E-01	8.14E-10	1,000,000	8.14E-04
441	10.03	6.9451E-06	6.9673E-05	3.46E-04	2.41E-08	0.25	1.57E-01	9.48E-10	1,000,000	9.48E-04
442	9.47	6.9451E-06	6.5803E-05	3.46E-04	2.28E-08	0.25	1.57E-01	8.95E-10	1,000,000	8.95E-04
443	7.53	6.9451E-06	5.2328E-05	3.46E-04	1.81E-08	0.25	1.57E-01	7.12E-10	1,000,000	7.12E-04
444	5.61	6.9451E-06	3.8973E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.30E-10	1,000,000	5.30E-04
445	4.18	6.9451E-06	2.9061E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
446	3.20	6.9451E-06	2.2209E-05	3.46E-04	7.69E-09	0.25	1.57E-01	3.02E-10	1,000,000	3.02E-04
447	2.51	6.9451E-06	1.7439E-05	3.46E-04	6.04E-09	0.25	1.57E-01	2.37E-10	1,000,000	2.37E-04
448	2.02	6.9451E-06	1.4009E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.66	6.9451E-06	1.1527E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
450	1.39	6.9451E-06	9.6653E-06	3.46E-04	3.35E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
451	1.18	6.9451E-06	8.1946E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
452	1.02	6.9451E-06	7.0686E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.61E-11	1,000,000	9.61E-05
453	2.41	6.9451E-06	1.6752E-05	3.46E-04	5.80E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
454	3.15	6.9451E-06	2.1898E-05	3.46E-04	7.58E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
455	4.31	6.9451E-06	2.9944E-05	3.46E-04	1.04E-08	0.25	1.57E-01	4.07E-10	1,000,000	4.07E-04
456	6.24	6.9451E-06	4.3307E-05	3.46E-04	1.50E-08	0.25	1.57E-01	5.89E-10	1,000,000	5.89E-04
457	9.62	6.9451E-06	6.684E-05	3.46E-04	2.31E-08	0.25	1.57E-01	9.09E-10	1,000,000	9.09E-04
458	15.57	6.9451E-06	0.00010814	3.46E-04	3.74E-08	0.25	1.57E-01	1.47E-09	1,000,000	1.47E-03
459	22.15	6.9451E-06	0.00015384	3.46E-04	5.33E-08	0.25	1.57E-01	2.09E-09	1,000,000	2.09E-03
460	19.23	6.9451E-06	0.00013354	3.46E-04	4.62E-08	0.25	1.57E-01	1.82E-09	1,000,000	1.82E-03
461	12.22	6.9451E-06	8.4883E-05	3.46E-04	2.94E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
462	7.79	6.9451E-06	5.4113E-05	3.46E-04	1.87E-08	0.25	1.57E-01	7.36E-10	1,000,000	7.36E-04
463	5.29	6.9451E-06	3.677E-05	3.46E-04	1.27E-08	0.25	1.57E-01	5.00E-10	1,000,000	5.00E-04
464	3.81	6.9451E-06	2.6488E-05	3.46E-04	9.17E-09	0.25	1.57E-01	3.60E-10	1,000,000	3.60E-04
465	2.88	6.9451E-06	2.0009E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
466	2.26	6.9451E-06	1.5687E-05	3.46E-04	5.43E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
467	1.82	6.9451E-06	1.2664E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
468	1.51	6.9451E-06	1.0455E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
469	1.27	6.9451E-06	8.7926E-06	3.46E-04	3.04E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
470	1.08	6.9451E-06	7.5131E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
471	2.36	6.9451E-06	1.6397E-05	3.46E-04	5.68E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
472	3.41	6.9451E-06	2.3664E-05	3.46E-04	8.19E-09	0.25	1.57E-01	3.22E-10	1,000,000	3.22E-04
473	4.83	6.9451E-06	3.356E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.56E-10	1,000,000	4.56E-04
474	7.48	6.9451E-06	5.1923E-05	3.46E-04	1.80E-08	0.25	1.57E-01	7.06E-10	1,000,000	7.06E-04
475	13.29	6.9451E-06	9.2298E-05	3.46E-04	3.20E-08	0.25	1.57E-01	1.26E-09	1,000,000	1.26E-03
476	2.50	6.9451E-06	1.7339E-05	3.46E-04	6.00E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
477	1.98	6.9451E-06	1.3726E-05	3.46E-04	4.75E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
478	1.62	6.9451E-06	1.1235E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
479	1.35	6.9451E-06	9.3657E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
480	1.14	6.9451E-06	7.9341E-06	3.46E-04	2.75E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
481	2.19	6.9451E-06	1.5243E-05	3.46E-04	5.28E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	3.15	6.9451E-06	2.1907E-05	3.46E-04	7.58E-09	0.25	1.57E-01	2.98E-10	1,000,000	2.98E-04
483	4.60	6.9451E-06	3.1972E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.35E-10	1,000,000	4.35E-04
484	7.41	6.9451E-06	5.1456E-05	3.46E-04	1.78E-08	0.25	1.57E-01	7.00E-10	1,000,000	7.00E-04
485	14.90	6.9451E-06	0.0001035	3.46E-04	3.58E-08	0.25	1.57E-01	1.41E-09	1,000,000	1.41E-03
486	2.68	6.9451E-06	1.8596E-05	3.46E-04	6.44E-09	0.25	1.57E-01	2.53E-10	1,000,000	2.53E-04
487	2.11	6.9451E-06	1.4633E-05	3.46E-04	5.07E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
488	1.70	6.9451E-06	1.1836E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
489	1.41	6.9451E-06	9.8184E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
490	1.19	6.9451E-06	8.2864E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
491	1.96	6.9451E-06	1.358E-05	3.46E-04	4.70E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
492	2.72	6.9451E-06	1.8903E-05	3.46E-04	6.54E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
493	3.87	6.9451E-06	2.6876E-05	3.46E-04	9.30E-09	0.25	1.57E-01	3.65E-10	1,000,000	3.65E-04
494	6.11	6.9451E-06	4.2457E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.77E-10	1,000,000	5.77E-04
495	11.39	6.9451E-06	7.9074E-05	3.46E-04	2.74E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
496	49.27	6.9451E-06	0.00034222	3.46E-04	1.18E-07	0.25	1.57E-01	4.65E-09	1,000,000	4.65E-03
497	22.23	6.9451E-06	0.00015437	3.46E-04	5.34E-08	0.25	1.57E-01	2.10E-09	1,000,000	2.10E-03
498	3.60	6.9451E-06	2.5031E-05	3.46E-04	8.66E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
499	2.75	6.9451E-06	1.9069E-05	3.46E-04	6.60E-09	0.25	1.57E-01	2.59E-10	1,000,000	2.59E-04
500	2.16	6.9451E-06	1.5003E-05	3.46E-04	5.19E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
501	1.75	6.9451E-06	1.2154E-05	3.46E-04	4.21E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
502	1.45	6.9451E-06	1.0065E-05	3.46E-04	3.48E-09	0.25	1.57E-01	1.37E-10	1,000,000	1.37E-04
503	1.22	6.9451E-06	8.4915E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
504	1.65	6.9451E-06	1.1435E-05	3.46E-04	3.96E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
505	2.15	6.9451E-06	1.4927E-05	3.46E-04	5.17E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
506	3.14	6.9451E-06	2.1808E-05	3.46E-04	7.55E-09	0.25	1.57E-01	2.97E-10	1,000,000	2.97E-04
507	4.50	6.9451E-06	3.1223E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.25E-10	1,000,000	4.25E-04
508	7.33	6.9451E-06	5.09E-05	3.46E-04	1.76E-08	0.25	1.57E-01	6.92E-10	1,000,000	6.92E-04
509	11.70	6.9451E-06	8.1226E-05	3.46E-04	2.81E-08	0.25	1.57E-01	1.10E-09	1,000,000	1.10E-03
510	17.19	6.9451E-06	0.00011936	3.46E-04	4.13E-08	0.25	1.57E-01	1.62E-09	1,000,000	1.62E-03
511	17.15	6.9451E-06	0.00011911	3.46E-04	4.12E-08	0.25	1.57E-01	1.62E-09	1,000,000	1.62E-03
512	12.66	6.9451E-06	8.7911E-05	3.46E-04	3.04E-08	0.25	1.57E-01	1.20E-09	1,000,000	1.20E-03
513	8.74	6.9451E-06	6.0722E-05	3.46E-04	2.10E-08	0.25	1.57E-01	8.26E-10	1,000,000	8.26E-04
514	6.15	6.9451E-06	4.2694E-05	3.46E-04	1.48E-08	0.25	1.57E-01	5.81E-10	1,000,000	5.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	4.48	6.9451E-06	3.111E-05	3.46E-04	1.08E-08	0.25	1.57E-01	4.23E-10	1,000,000	4.23E-04
516	3.38	6.9451E-06	2.3496E-05	3.46E-04	8.13E-09	0.25	1.57E-01	3.20E-10	1,000,000	3.20E-04
517	2.64	6.9451E-06	1.8313E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
518	2.11	6.9451E-06	1.4664E-05	3.46E-04	5.08E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
519	1.73	6.9451E-06	1.2008E-05	3.46E-04	4.16E-09	0.25	1.57E-01	1.63E-10	1,000,000	1.63E-04
520	1.44	6.9451E-06	1.002E-05	3.46E-04	3.47E-09	0.25	1.57E-01	1.36E-10	1,000,000	1.36E-04
521	1.22	6.9451E-06	8.4981E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
522	1.33	6.9451E-06	9.2617E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
523	1.75	6.9451E-06	1.2137E-05	3.46E-04	4.20E-09	0.25	1.57E-01	1.65E-10	1,000,000	1.65E-04
524	2.34	6.9451E-06	1.6251E-05	3.46E-04	5.63E-09	0.25	1.57E-01	2.21E-10	1,000,000	2.21E-04
525	3.17	6.9451E-06	2.2041E-05	3.46E-04	7.63E-09	0.25	1.57E-01	3.00E-10	1,000,000	3.00E-04
526	4.19	6.9451E-06	2.9129E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.96E-10	1,000,000	3.96E-04
527	6.19	6.9451E-06	4.2971E-05	3.46E-04	1.49E-08	0.25	1.57E-01	5.84E-10	1,000,000	5.84E-04
528	7.54	6.9451E-06	5.2349E-05	3.46E-04	1.81E-08	0.25	1.57E-01	7.12E-10	1,000,000	7.12E-04
529	7.94	6.9451E-06	5.516E-05	3.46E-04	1.91E-08	0.25	1.57E-01	7.50E-10	1,000,000	7.50E-04
530	7.34	6.9451E-06	5.0955E-05	3.46E-04	1.76E-08	0.25	1.57E-01	6.93E-10	1,000,000	6.93E-04
531	5.99	6.9451E-06	4.1576E-05	3.46E-04	1.44E-08	0.25	1.57E-01	5.65E-10	1,000,000	5.65E-04
532	4.70	6.9451E-06	3.2668E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.44E-10	1,000,000	4.44E-04
533	3.71	6.9451E-06	2.5734E-05	3.46E-04	8.91E-09	0.25	1.57E-01	3.50E-10	1,000,000	3.50E-04
534	2.95	6.9451E-06	2.0517E-05	3.46E-04	7.10E-09	0.25	1.57E-01	2.79E-10	1,000,000	2.79E-04
535	2.39	6.9451E-06	1.6612E-05	3.46E-04	5.75E-09	0.25	1.57E-01	2.26E-10	1,000,000	2.26E-04
536	1.97	6.9451E-06	1.3664E-05	3.46E-04	4.73E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
537	1.64	6.9451E-06	1.1407E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
538	1.39	6.9451E-06	9.6579E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
539	1.19	6.9451E-06	8.276E-06	3.46E-04	2.86E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
540	1.08	6.9451E-06	7.4795E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
541	1.35	6.9451E-06	9.3981E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
542	1.71	6.9451E-06	1.1904E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
543	2.19	6.9451E-06	1.5203E-05	3.46E-04	5.26E-09	0.25	1.57E-01	2.07E-10	1,000,000	2.07E-04
544	2.89	6.9451E-06	2.0061E-05	3.46E-04	6.94E-09	0.25	1.57E-01	2.73E-10	1,000,000	2.73E-04
545	3.53	6.9451E-06	2.4526E-05	3.46E-04	8.49E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
546	4.21	6.9451E-06	2.9265E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
547	4.45	6.9451E-06	3.0939E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.21E-10	1,000,000	4.21E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	4.46	6.9451E-06	3.1002E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
549	4.12	6.9451E-06	2.8619E-05	3.46E-04	9.91E-09	0.25	1.57E-01	3.89E-10	1,000,000	3.89E-04
550	3.56	6.9451E-06	2.4752E-05	3.46E-04	8.57E-09	0.25	1.57E-01	3.37E-10	1,000,000	3.37E-04
551	2.98	6.9451E-06	2.0675E-05	3.46E-04	7.16E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
552	2.49	6.9451E-06	1.7266E-05	3.46E-04	5.98E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
553	2.09	6.9451E-06	1.4508E-05	3.46E-04	5.02E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
554	1.77	6.9451E-06	1.2287E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
555	1.51	6.9451E-06	1.0494E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
556	1.30	6.9451E-06	9.0441E-06	3.46E-04	3.13E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
557	1.13	6.9451E-06	7.8615E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
558	0.87	6.9451E-06	6.0591E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.24E-11	1,000,000	8.24E-05
559	1.06	6.9451E-06	7.3725E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
560	1.26	6.9451E-06	8.7193E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
561	1.54	6.9451E-06	1.0712E-05	3.46E-04	3.71E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
562	1.83	6.9451E-06	1.2681E-05	3.46E-04	4.39E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
563	2.17	6.9451E-06	1.5052E-05	3.46E-04	5.21E-09	0.25	1.57E-01	2.05E-10	1,000,000	2.05E-04
564	2.59	6.9451E-06	1.7982E-05	3.46E-04	6.22E-09	0.25	1.57E-01	2.45E-10	1,000,000	2.45E-04
565	2.78	6.9451E-06	1.9293E-05	3.46E-04	6.68E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
566	2.93	6.9451E-06	2.034E-05	3.46E-04	7.04E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
567	2.86	6.9451E-06	1.9874E-05	3.46E-04	6.88E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
568	2.73	6.9451E-06	1.8941E-05	3.46E-04	6.56E-09	0.25	1.57E-01	2.58E-10	1,000,000	2.58E-04
569	2.36	6.9451E-06	1.6384E-05	3.46E-04	5.67E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
570	2.08	6.9451E-06	1.4452E-05	3.46E-04	5.00E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
571	1.79	6.9451E-06	1.2454E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
572	1.56	6.9451E-06	1.0833E-05	3.46E-04	3.75E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
573	1.36	6.9451E-06	9.4557E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
574	1.19	6.9451E-06	8.2969E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
575	1.05	6.9451E-06	7.3212E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.96E-11	1,000,000	9.96E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	6.9451E-06	6.5191E-06	1.05E-03	6.81E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.1E-03
2	6.9451E-06	7.1888E-06	1.05E-03	7.51E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
3	6.9451E-06	7.9039E-06	1.05E-03	8.26E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
4	6.9451E-06	8.6363E-06	1.05E-03	9.03E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
5	6.9451E-06	9.3556E-06	1.05E-03	9.78E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
6	6.9451E-06	1.0007E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.29E-09	1,000,000	3.29E-03
7	6.9451E-06	1.0509E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
8	6.9451E-06	1.0808E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.55E-09	1,000,000	3.55E-03
9	6.9451E-06	1.0869E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
10	6.9451E-06	1.0663E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
11	6.9451E-06	1.0223E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.36E-09	1,000,000	3.36E-03
12	6.9451E-06	9.6148E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.16E-09	1,000,000	3.16E-03
13	6.9451E-06	8.9086E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
14	6.9451E-06	8.1666E-06	1.05E-03	8.54E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
15	6.9451E-06	7.436E-06	1.05E-03	7.77E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
16	6.9451E-06	6.7392E-06	1.05E-03	7.04E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
17	6.9451E-06	6.1092E-06	1.05E-03	6.39E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
18	6.9451E-06	5.5366E-06	1.05E-03	5.79E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
19	6.9451E-06	5.0184E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
20	6.9451E-06	4.5669E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
21	6.9451E-06	4.1645E-06	1.05E-03	4.35E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
22	6.9451E-06	3.8037E-06	1.05E-03	3.98E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
23	6.9451E-06	7.2686E-06	1.05E-03	7.60E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
24	6.9451E-06	8.1364E-06	1.05E-03	8.50E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
25	6.9451E-06	9.0938E-06	1.05E-03	9.50E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
26	6.9451E-06	1.0117E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.32E-09	1,000,000	3.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	6.9451E-06	1.1152E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
28	6.9451E-06	1.2135E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.99E-09	1,000,000	3.99E-03
29	6.9451E-06	1.2911E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.24E-09	1,000,000	4.24E-03
30	6.9451E-06	1.3404E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.40E-09	1,000,000	4.40E-03
31	6.9451E-06	1.3488E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.43E-09	1,000,000	4.43E-03
32	6.9451E-06	1.3155E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.32E-09	1,000,000	4.32E-03
33	6.9451E-06	1.2458E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
34	6.9451E-06	1.1547E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
35	6.9451E-06	1.0525E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
36	6.9451E-06	9.4916E-06	1.05E-03	9.92E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
37	6.9451E-06	8.477E-06	1.05E-03	8.86E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
38	6.9451E-06	7.5706E-06	1.05E-03	7.91E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
39	6.9451E-06	6.7774E-06	1.05E-03	7.08E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
40	6.9451E-06	6.0705E-06	1.05E-03	6.34E-09	2.00	1.57E-01	1.99E-09	1,000,000	1.99E-03
41	6.9451E-06	5.4465E-06	1.05E-03	5.69E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
42	6.9451E-06	4.903E-06	1.05E-03	5.12E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
43	6.9451E-06	4.4296E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
44	6.9451E-06	4.037E-06	1.05E-03	4.22E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
45	6.9451E-06	8.1003E-06	1.05E-03	8.47E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
46	6.9451E-06	9.2245E-06	1.05E-03	9.64E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
47	6.9451E-06	1.0519E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
48	6.9451E-06	1.1968E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.93E-09	1,000,000	3.93E-03
49	6.9451E-06	1.351E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03
50	6.9451E-06	1.5026E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
51	6.9451E-06	1.6316E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.36E-09	1,000,000	5.36E-03
52	6.9451E-06	1.7136E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.63E-09	1,000,000	5.63E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	6.9451E-06	1.7299E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.68E-09	1,000,000	5.68E-03
54	6.9451E-06	1.672E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
55	6.9451E-06	1.5577E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.12E-09	1,000,000	5.12E-03
56	6.9451E-06	1.4119E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
57	6.9451E-06	1.2567E-05	1.05E-03	1.31E-08	2.00	1.57E-01	4.13E-09	1,000,000	4.13E-03
58	6.9451E-06	1.1103E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
59	6.9451E-06	9.7124E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03
60	6.9451E-06	8.5188E-06	1.05E-03	8.90E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
61	6.9451E-06	7.5126E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
62	6.9451E-06	6.639E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
63	6.9451E-06	5.8953E-06	1.05E-03	6.16E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
64	6.9451E-06	5.2649E-06	1.05E-03	5.50E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
65	6.9451E-06	4.7311E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
66	6.9451E-06	4.2746E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
67	6.9451E-06	8.9992E-06	1.05E-03	9.41E-09	2.00	1.57E-01	2.96E-09	1,000,000	2.96E-03
68	6.9451E-06	1.0447E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
69	6.9451E-06	1.2197E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.01E-09	1,000,000	4.01E-03
70	6.9451E-06	1.4264E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
71	6.9451E-06	1.6619E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.46E-09	1,000,000	5.46E-03
72	6.9451E-06	1.9101E-05	1.05E-03	2.00E-08	2.00	1.57E-01	6.27E-09	1,000,000	6.27E-03
73	6.9451E-06	2.1371E-05	1.05E-03	2.23E-08	2.00	1.57E-01	7.02E-09	1,000,000	7.02E-03
74	6.9451E-06	2.2868E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.51E-09	1,000,000	7.51E-03
75	6.9451E-06	2.3152E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.61E-09	1,000,000	7.61E-03
76	6.9451E-06	2.2114E-05	1.05E-03	2.31E-08	2.00	1.57E-01	7.26E-09	1,000,000	7.26E-03
77	6.9451E-06	2.0104E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.60E-09	1,000,000	6.60E-03
78	6.9451E-06	1.7685E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.81E-09	1,000,000	5.81E-03
79	6.9451E-06	1.5225E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.00E-09	1,000,000	5.00E-03
80	6.9451E-06	1.3029E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03
81	6.9451E-06	1.1152E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.66E-09	1,000,000	3.66E-03
82	6.9451E-06	9.6093E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.16E-09	1,000,000	3.16E-03
83	6.9451E-06	8.3121E-06	1.05E-03	8.69E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
84	6.9451E-06	7.2525E-06	1.05E-03	7.58E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
85	6.9451E-06	6.3459E-06	1.05E-03	6.63E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	6.9451E-06	5.6357E-06	1.05E-03	5.89E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
87	6.9451E-06	5.0249E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
88	6.9451E-06	4.5147E-06	1.05E-03	4.72E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
89	6.9451E-06	9.9298E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
90	6.9451E-06	1.177E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.87E-09	1,000,000	3.87E-03
91	6.9451E-06	1.411E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.64E-09	1,000,000	4.64E-03
92	6.9451E-06	1.7074E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.61E-09	1,000,000	5.61E-03
93	6.9451E-06	2.0737E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.81E-09	1,000,000	6.81E-03
94	6.9451E-06	2.4968E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.20E-09	1,000,000	8.20E-03
95	6.9451E-06	2.9259E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.61E-09	1,000,000	9.61E-03
96	6.9451E-06	3.2411E-05	1.05E-03	3.39E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
97	6.9451E-06	3.309E-05	1.05E-03	3.46E-08	2.00	1.57E-01	1.09E-08	1,000,000	1.09E-02
98	6.9451E-06	3.0878E-05	1.05E-03	3.23E-08	2.00	1.57E-01	1.01E-08	1,000,000	1.01E-02
99	6.9451E-06	2.6865E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.82E-09	1,000,000	8.82E-03
100	6.9451E-06	2.2509E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.39E-09	1,000,000	7.39E-03
101	6.9451E-06	1.8579E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.10E-09	1,000,000	6.10E-03
102	6.9451E-06	1.5346E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.04E-09	1,000,000	5.04E-03
103	6.9451E-06	1.2791E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
104	6.9451E-06	1.076E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
105	6.9451E-06	9.1701E-06	1.05E-03	9.58E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
106	6.9451E-06	7.8904E-06	1.05E-03	8.25E-09	2.00	1.57E-01	2.59E-09	1,000,000	2.59E-03
107	6.9451E-06	6.8531E-06	1.05E-03	7.16E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
108	6.9451E-06	6.014E-06	1.05E-03	6.29E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
109	6.9451E-06	5.3229E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
110	6.9451E-06	4.7575E-06	1.05E-03	4.97E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
111	6.9451E-06	1.0831E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
112	6.9451E-06	1.3117E-05	1.05E-03	1.37E-08	2.00	1.57E-01	4.31E-09	1,000,000	4.31E-03
113	6.9451E-06	1.6181E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.32E-09	1,000,000	5.32E-03
114	6.9451E-06	2.0355E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.69E-09	1,000,000	6.69E-03
115	6.9451E-06	2.6045E-05	1.05E-03	2.72E-08	2.00	1.57E-01	8.56E-09	1,000,000	8.56E-03
116	6.9451E-06	3.3558E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
117	6.9451E-06	4.2526E-05	1.05E-03	4.44E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
118	6.9451E-06	5.0387E-05	1.05E-03	5.27E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	6.9451E-06	5.2251E-05	1.05E-03	5.46E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
120	6.9451E-06	4.6603E-05	1.05E-03	4.87E-08	2.00	1.57E-01	1.53E-08	1,000,000	1.53E-02
121	6.9451E-06	3.765E-05	1.05E-03	3.94E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
122	6.9451E-06	2.9269E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.61E-09	1,000,000	9.61E-03
123	6.9451E-06	2.282E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.50E-09	1,000,000	7.50E-03
124	6.9451E-06	1.8082E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.94E-09	1,000,000	5.94E-03
125	6.9451E-06	1.4616E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.80E-09	1,000,000	4.80E-03
126	6.9451E-06	1.2017E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
127	6.9451E-06	1.0066E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
128	6.9451E-06	8.5549E-06	1.05E-03	8.94E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
129	6.9451E-06	7.353E-06	1.05E-03	7.69E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
130	6.9451E-06	6.4052E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
131	6.9451E-06	5.6301E-06	1.05E-03	5.88E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
132	6.9451E-06	5.0019E-06	1.05E-03	5.23E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
133	6.9451E-06	1.1614E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
134	6.9451E-06	1.4339E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.71E-09	1,000,000	4.71E-03
135	6.9451E-06	1.8181E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.97E-09	1,000,000	5.97E-03
136	6.9451E-06	2.3826E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.83E-09	1,000,000	7.83E-03
137	6.9451E-06	3.2414E-05	1.05E-03	3.39E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
138	6.9451E-06	4.5878E-05	1.05E-03	4.80E-08	2.00	1.57E-01	1.51E-08	1,000,000	1.51E-02
139	6.9451E-06	6.6402E-05	1.05E-03	6.94E-08	2.00	1.57E-01	2.18E-08	1,000,000	2.18E-02
140	6.9451E-06	9.1191E-05	1.05E-03	9.53E-08	2.00	1.57E-01	3.00E-08	1,000,000	3.00E-02
141	6.9451E-06	9.843E-05	1.05E-03	1.03E-07	2.00	1.57E-01	3.23E-08	1,000,000	3.23E-02
142	6.9451E-06	7.8645E-05	1.05E-03	8.22E-08	2.00	1.57E-01	2.58E-08	1,000,000	2.58E-02
143	6.9451E-06	5.5029E-05	1.05E-03	5.75E-08	2.00	1.57E-01	1.81E-08	1,000,000	1.81E-02
144	6.9451E-06	3.8518E-05	1.05E-03	4.03E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
145	6.9451E-06	2.8016E-05	1.05E-03	2.93E-08	2.00	1.57E-01	9.20E-09	1,000,000	9.20E-03
146	6.9451E-06	2.1195E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.96E-09	1,000,000	6.96E-03
147	6.9451E-06	1.6606E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.46E-09	1,000,000	5.46E-03
148	6.9451E-06	1.3356E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
149	6.9451E-06	1.1012E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
150	6.9451E-06	9.2252E-06	1.05E-03	9.64E-09	2.00	1.57E-01	3.03E-09	1,000,000	3.03E-03
151	6.9451E-06	7.8545E-06	1.05E-03	8.21E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	6.9451E-06	6.7923E-06	1.05E-03	7.10E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
153	6.9451E-06	5.9369E-06	1.05E-03	6.21E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
154	6.9451E-06	5.2438E-06	1.05E-03	5.48E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
155	6.9451E-06	1.1111E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
156	6.9451E-06	1.4287E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
157	6.9451E-06	1.9798E-05	1.05E-03	2.07E-08	2.00	1.57E-01	6.50E-09	1,000,000	6.50E-03
158	6.9451E-06	2.6841E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.82E-09	1,000,000	8.82E-03
159	6.9451E-06	3.8743E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
160	6.9451E-06	6.0979E-05	1.05E-03	6.37E-08	2.00	1.57E-01	2.00E-08	1,000,000	2.00E-02
161	6.9451E-06	0.00010829	1.05E-03	1.13E-07	2.00	1.57E-01	3.56E-08	1,000,000	3.56E-02
162	6.9451E-06	0.00021599	1.05E-03	2.26E-07	2.00	1.57E-01	7.10E-08	1,000,000	7.10E-02
163	6.9451E-06	0.00028414	1.05E-03	2.97E-07	2.00	1.57E-01	9.33E-08	1,000,000	9.33E-02
164	6.9451E-06	0.00015331	1.05E-03	1.60E-07	2.00	1.57E-01	5.04E-08	1,000,000	5.04E-02
165	6.9451E-06	8.2594E-05	1.05E-03	8.63E-08	2.00	1.57E-01	2.71E-08	1,000,000	2.71E-02
166	6.9451E-06	5.0582E-05	1.05E-03	5.29E-08	2.00	1.57E-01	1.66E-08	1,000,000	1.66E-02
167	6.9451E-06	3.4103E-05	1.05E-03	3.56E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
168	6.9451E-06	2.4637E-05	1.05E-03	2.58E-08	2.00	1.57E-01	8.09E-09	1,000,000	8.09E-03
169	6.9451E-06	1.8723E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.15E-09	1,000,000	6.15E-03
170	6.9451E-06	1.4732E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.84E-09	1,000,000	4.84E-03
171	6.9451E-06	1.1922E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
172	6.9451E-06	9.9035E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
173	6.9451E-06	8.3605E-06	1.05E-03	8.74E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
174	6.9451E-06	7.1729E-06	1.05E-03	7.50E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
175	6.9451E-06	6.2408E-06	1.05E-03	6.52E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
176	6.9451E-06	5.4857E-06	1.05E-03	5.73E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
177	6.9451E-06	1.0594E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.48E-09	1,000,000	3.48E-03
178	6.9451E-06	1.4008E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
179	6.9451E-06	1.9428E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.38E-09	1,000,000	6.38E-03
180	6.9451E-06	2.8601E-05	1.05E-03	2.99E-08	2.00	1.57E-01	9.40E-09	1,000,000	9.40E-03
181	6.9451E-06	4.2745E-05	1.05E-03	4.47E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
182	6.9451E-06	7.2303E-05	1.05E-03	7.56E-08	2.00	1.57E-01	2.38E-08	1,000,000	2.38E-02
183	6.9451E-06	0.00015389	1.05E-03	1.61E-07	2.00	1.57E-01	5.06E-08	1,000,000	5.06E-02
184	6.9451E-06	2.0635E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.78E-09	1,000,000	6.78E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	6.9451E-06	1.5935E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
186	6.9451E-06	1.2799E-05	1.05E-03	1.34E-08	2.00	1.57E-01	4.20E-09	1,000,000	4.20E-03
187	6.9451E-06	1.0511E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
188	6.9451E-06	8.8084E-06	1.05E-03	9.21E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
189	6.9451E-06	7.5178E-06	1.05E-03	7.86E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
190	6.9451E-06	6.5068E-06	1.05E-03	6.80E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
191	6.9451E-06	5.6964E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
192	6.9451E-06	9.7432E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.20E-09	1,000,000	3.20E-03
193	6.9451E-06	1.2679E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
194	6.9451E-06	1.7354E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.70E-09	1,000,000	5.70E-03
195	6.9451E-06	2.5073E-05	1.05E-03	2.62E-08	2.00	1.57E-01	8.24E-09	1,000,000	8.24E-03
196	6.9451E-06	3.9314E-05	1.05E-03	4.11E-08	2.00	1.57E-01	1.29E-08	1,000,000	1.29E-02
197	6.9451E-06	6.6291E-05	1.05E-03	6.93E-08	2.00	1.57E-01	2.18E-08	1,000,000	2.18E-02
198	6.9451E-06	0.00014656	1.05E-03	1.53E-07	2.00	1.57E-01	4.81E-08	1,000,000	4.81E-02
199	6.9451E-06	0.00030601	1.05E-03	3.20E-07	2.00	1.57E-01	1.01E-07	1,000,000	1.01E-01
200	6.9451E-06	2.174E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.14E-09	1,000,000	7.14E-03
201	6.9451E-06	1.6745E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.50E-09	1,000,000	5.50E-03
202	6.9451E-06	1.3336E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03
203	6.9451E-06	1.0928E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.59E-09	1,000,000	3.59E-03
204	6.9451E-06	9.1358E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
205	6.9451E-06	7.7726E-06	1.05E-03	8.12E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
206	6.9451E-06	6.7085E-06	1.05E-03	7.01E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
207	6.9451E-06	5.8638E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
208	6.9451E-06	8.5747E-06	1.05E-03	8.96E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
209	6.9451E-06	1.1077E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
210	6.9451E-06	1.426E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.68E-09	1,000,000	4.68E-03
211	6.9451E-06	2.0413E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.71E-09	1,000,000	6.71E-03
212	6.9451E-06	2.9945E-05	1.05E-03	3.13E-08	2.00	1.57E-01	9.84E-09	1,000,000	9.84E-03
213	6.9451E-06	4.8074E-05	1.05E-03	5.02E-08	2.00	1.57E-01	1.58E-08	1,000,000	1.58E-02
214	6.9451E-06	8.8732E-05	1.05E-03	9.27E-08	2.00	1.57E-01	2.91E-08	1,000,000	2.91E-02
215	6.9451E-06	0.000166	1.05E-03	1.74E-07	2.00	1.57E-01	5.45E-08	1,000,000	5.45E-02
216	6.9451E-06	0.00022385	1.05E-03	2.34E-07	2.00	1.57E-01	7.35E-08	1,000,000	7.35E-02
217	6.9451E-06	0.00015203	1.05E-03	1.59E-07	2.00	1.57E-01	4.99E-08	1,000,000	4.99E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	6.9451E-06	2.8408E-05	1.05E-03	2.97E-08	2.00	1.57E-01	9.33E-09	1,000,000	9.33E-03
219	6.9451E-06	2.1397E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.03E-09	1,000,000	7.03E-03
220	6.9451E-06	1.6707E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
221	6.9451E-06	1.3425E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.41E-09	1,000,000	4.41E-03
222	6.9451E-06	1.104E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.63E-09	1,000,000	3.63E-03
223	6.9451E-06	9.2536E-06	1.05E-03	9.67E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
224	6.9451E-06	7.8822E-06	1.05E-03	8.24E-09	2.00	1.57E-01	2.59E-09	1,000,000	2.59E-03
225	6.9451E-06	6.8059E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
226	6.9451E-06	5.9499E-06	1.05E-03	6.22E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
227	6.9451E-06	7.3248E-06	1.05E-03	7.66E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
228	6.9451E-06	9.1454E-06	1.05E-03	9.56E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
229	6.9451E-06	1.1705E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.85E-09	1,000,000	3.85E-03
230	6.9451E-06	1.5718E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.16E-09	1,000,000	5.16E-03
231	6.9451E-06	2.2015E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.23E-09	1,000,000	7.23E-03
232	6.9451E-06	3.1047E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
233	6.9451E-06	4.8374E-05	1.05E-03	5.06E-08	2.00	1.57E-01	1.59E-08	1,000,000	1.59E-02
234	6.9451E-06	6.7354E-05	1.05E-03	7.04E-08	2.00	1.57E-01	2.21E-08	1,000,000	2.21E-02
235	6.9451E-06	8.0435E-05	1.05E-03	8.41E-08	2.00	1.57E-01	2.64E-08	1,000,000	2.64E-02
236	6.9451E-06	7.5474E-05	1.05E-03	7.89E-08	2.00	1.57E-01	2.48E-08	1,000,000	2.48E-02
237	6.9451E-06	5.8058E-05	1.05E-03	6.07E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
238	6.9451E-06	4.3372E-05	1.05E-03	4.53E-08	2.00	1.57E-01	1.42E-08	1,000,000	1.42E-02
239	6.9451E-06	3.261E-05	1.05E-03	3.41E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
240	6.9451E-06	2.5017E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.22E-09	1,000,000	8.22E-03
241	6.9451E-06	1.9639E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.45E-09	1,000,000	6.45E-03
242	6.9451E-06	1.5766E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.18E-09	1,000,000	5.18E-03
243	6.9451E-06	1.291E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.24E-09	1,000,000	4.24E-03
244	6.9451E-06	1.0756E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.53E-09	1,000,000	3.53E-03
245	6.9451E-06	9.1025E-06	1.05E-03	9.51E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
246	6.9451E-06	7.8065E-06	1.05E-03	8.16E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
247	6.9451E-06	6.7742E-06	1.05E-03	7.08E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
248	6.9451E-06	5.9423E-06	1.05E-03	6.21E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
249	6.9451E-06	6.2474E-06	1.05E-03	6.53E-09	2.00	1.57E-01	2.05E-09	1,000,000	2.05E-03
250	6.9451E-06	7.5578E-06	1.05E-03	7.90E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	6.9451E-06	9.2983E-06	1.05E-03	9.72E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
252	6.9451E-06	1.2019E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.95E-09	1,000,000	3.95E-03
253	6.9451E-06	1.5607E-05	1.05E-03	1.63E-08	2.00	1.57E-01	5.13E-09	1,000,000	5.13E-03
254	6.9451E-06	2.1574E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.09E-09	1,000,000	7.09E-03
255	6.9451E-06	2.8214E-05	1.05E-03	2.95E-08	2.00	1.57E-01	9.27E-09	1,000,000	9.27E-03
256	6.9451E-06	3.7043E-05	1.05E-03	3.87E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
257	6.9451E-06	4.0343E-05	1.05E-03	4.22E-08	2.00	1.57E-01	1.33E-08	1,000,000	1.33E-02
258	6.9451E-06	3.945E-05	1.05E-03	4.12E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
259	6.9451E-06	3.7115E-05	1.05E-03	3.88E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
260	6.9451E-06	3.1455E-05	1.05E-03	3.29E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
261	6.9451E-06	2.5601E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.41E-09	1,000,000	8.41E-03
262	6.9451E-06	2.0852E-05	1.05E-03	2.18E-08	2.00	1.57E-01	6.85E-09	1,000,000	6.85E-03
263	6.9451E-06	1.7122E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.62E-09	1,000,000	5.62E-03
264	6.9451E-06	1.4212E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
265	6.9451E-06	1.1931E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
266	6.9451E-06	1.013E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.33E-09	1,000,000	3.33E-03
267	6.9451E-06	8.6981E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
268	6.9451E-06	7.5424E-06	1.05E-03	7.88E-09	2.00	1.57E-01	2.48E-09	1,000,000	2.48E-03
269	6.9451E-06	6.6003E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
270	6.9451E-06	5.8263E-06	1.05E-03	6.09E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
271	6.9451E-06	5.18E-06	1.05E-03	5.41E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
272	6.9451E-06	6.0987E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
273	6.9451E-06	7.3721E-06	1.05E-03	7.71E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
274	6.9451E-06	9.0085E-06	1.05E-03	9.42E-09	2.00	1.57E-01	2.96E-09	1,000,000	2.96E-03
275	6.9451E-06	1.1163E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
276	6.9451E-06	1.4212E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.67E-09	1,000,000	4.67E-03
277	6.9451E-06	1.7684E-05	1.05E-03	1.85E-08	2.00	1.57E-01	5.81E-09	1,000,000	5.81E-03
278	6.9451E-06	2.0756E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.82E-09	1,000,000	6.82E-03
279	6.9451E-06	2.3582E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.75E-09	1,000,000	7.75E-03
280	6.9451E-06	2.4578E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.07E-09	1,000,000	8.07E-03
281	6.9451E-06	2.4412E-05	1.05E-03	2.55E-08	2.00	1.57E-01	8.02E-09	1,000,000	8.02E-03
282	6.9451E-06	2.3133E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.60E-09	1,000,000	7.60E-03
283	6.9451E-06	2.0054E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.59E-09	1,000,000	6.59E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	6.9451E-06	1.719E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.65E-09	1,000,000	5.65E-03
285	6.9451E-06	1.455E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.78E-09	1,000,000	4.78E-03
286	6.9451E-06	1.2458E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
287	6.9451E-06	1.0729E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.52E-09	1,000,000	3.52E-03
288	6.9451E-06	9.3009E-06	1.05E-03	9.72E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
289	6.9451E-06	8.1165E-06	1.05E-03	8.48E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
290	6.9451E-06	7.1318E-06	1.05E-03	7.45E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
291	6.9451E-06	6.3089E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
292	6.9451E-06	5.6166E-06	1.05E-03	5.87E-09	2.00	1.57E-01	1.84E-09	1,000,000	1.84E-03
293	6.9451E-06	4.3241E-06	1.05E-03	4.52E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
294	6.9451E-06	5.0205E-06	1.05E-03	5.25E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
295	6.9451E-06	5.8696E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
296	6.9451E-06	6.8556E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
297	6.9451E-06	8.2997E-06	1.05E-03	8.67E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
298	6.9451E-06	9.9272E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
299	6.9451E-06	1.1784E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.87E-09	1,000,000	3.87E-03
300	6.9451E-06	1.3997E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
301	6.9451E-06	1.4967E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.92E-09	1,000,000	4.92E-03
302	6.9451E-06	1.6444E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
303	6.9451E-06	1.6818E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
304	6.9451E-06	1.6791E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
305	6.9451E-06	1.545E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.08E-09	1,000,000	5.08E-03
306	6.9451E-06	1.3706E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
307	6.9451E-06	1.2326E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
308	6.9451E-06	1.1069E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03
309	6.9451E-06	9.5148E-06	1.05E-03	9.94E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
310	6.9451E-06	8.3993E-06	1.05E-03	8.78E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
311	6.9451E-06	7.4479E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
312	6.9451E-06	6.6354E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
313	6.9451E-06	5.9362E-06	1.05E-03	6.20E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
314	6.9451E-06	5.3356E-06	1.05E-03	5.58E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
315	6.9451E-06	3.5414E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
316	6.9451E-06	4.0586E-06	1.05E-03	4.24E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	6.9451E-06	4.647E-06	1.05E-03	4.86E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
318	6.9451E-06	5.3143E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
319	6.9451E-06	6.0353E-06	1.05E-03	6.31E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
320	6.9451E-06	7.348E-06	1.05E-03	7.68E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
321	6.9451E-06	8.3285E-06	1.05E-03	8.70E-09	2.00	1.57E-01	2.74E-09	1,000,000	2.74E-03
322	6.9451E-06	9.4533E-06	1.05E-03	9.88E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
323	6.9451E-06	1.0692E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
324	6.9451E-06	1.1512E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.78E-09	1,000,000	3.78E-03
325	6.9451E-06	1.209E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
326	6.9451E-06	1.2289E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
327	6.9451E-06	1.3042E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03
328	6.9451E-06	1.0669E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
329	6.9451E-06	9.9301E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
330	6.9451E-06	9.3347E-06	1.05E-03	9.76E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
331	6.9451E-06	8.5371E-06	1.05E-03	8.92E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
332	6.9451E-06	7.7236E-06	1.05E-03	8.07E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
333	6.9451E-06	7.0146E-06	1.05E-03	7.33E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
334	6.9451E-06	6.1066E-06	1.05E-03	6.38E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
335	6.9451E-06	5.5238E-06	1.05E-03	5.77E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
336	6.9451E-06	5.0124E-06	1.05E-03	5.24E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
337	6.9451E-06	3.0023E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.86E-10	1,000,000	9.86E-04
338	6.9451E-06	3.3621E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
339	6.9451E-06	3.7289E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
340	6.9451E-06	4.268E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
341	6.9451E-06	4.7649E-06	1.05E-03	4.98E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
342	6.9451E-06	5.6179E-06	1.05E-03	5.87E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
343	6.9451E-06	6.204E-06	1.05E-03	6.48E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
344	6.9451E-06	6.9777E-06	1.05E-03	7.29E-09	2.00	1.57E-01	2.29E-09	1,000,000	2.29E-03
345	6.9451E-06	7.7065E-06	1.05E-03	8.05E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
346	6.9451E-06	8.5224E-06	1.05E-03	8.91E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
347	6.9451E-06	8.8396E-06	1.05E-03	9.24E-09	2.00	1.57E-01	2.90E-09	1,000,000	2.90E-03
348	6.9451E-06	9.1152E-06	1.05E-03	9.53E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
349	6.9451E-06	8.2094E-06	1.05E-03	8.58E-09	2.00	1.57E-01	2.70E-09	1,000,000	2.70E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	6.9451E-06	8.0135E-06	1.05E-03	8.38E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
351	6.9451E-06	7.8028E-06	1.05E-03	8.16E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
352	6.9451E-06	7.3561E-06	1.05E-03	7.69E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
353	6.9451E-06	7.2431E-06	1.05E-03	7.57E-09	2.00	1.57E-01	2.38E-09	1,000,000	2.38E-03
354	6.9451E-06	6.8413E-06	1.05E-03	7.15E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
355	6.9451E-06	6.3561E-06	1.05E-03	6.64E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
356	6.9451E-06	5.8159E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
357	6.9451E-06	5.1053E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
358	6.9451E-06	4.6733E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
359	6.9451E-06	2.5077E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.24E-10	1,000,000	8.24E-04
360	6.9451E-06	2.7965E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.19E-10	1,000,000	9.19E-04
361	6.9451E-06	3.0943E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
362	6.9451E-06	3.4316E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
363	6.9451E-06	3.77E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
364	6.9451E-06	4.2794E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
365	6.9451E-06	4.8019E-06	1.05E-03	5.02E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
366	6.9451E-06	5.3627E-06	1.05E-03	5.61E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
367	6.9451E-06	6.0101E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
368	6.9451E-06	6.4017E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
369	6.9451E-06	6.5239E-06	1.05E-03	6.82E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
370	6.9451E-06	6.4024E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
371	6.9451E-06	6.4242E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
372	6.9451E-06	6.3092E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
373	6.9451E-06	6.0287E-06	1.05E-03	6.30E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
374	6.9451E-06	5.777E-06	1.05E-03	6.04E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
375	6.9451E-06	5.8412E-06	1.05E-03	6.11E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
376	6.9451E-06	5.665E-06	1.05E-03	5.92E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
377	6.9451E-06	5.5175E-06	1.05E-03	5.77E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
378	6.9451E-06	5.2617E-06	1.05E-03	5.50E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
379	6.9451E-06	4.9112E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
380	6.9451E-06	4.5824E-06	1.05E-03	4.79E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
381	6.9451E-06	1.0547E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.46E-09	1,000,000	3.46E-03
382	6.9451E-06	1.2166E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	6.9451E-06	1.3993E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
384	6.9451E-06	1.5933E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
385	6.9451E-06	1.7793E-05	1.05E-03	1.86E-08	2.00	1.57E-01	5.85E-09	1,000,000	5.85E-03
386	6.9451E-06	1.923E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.32E-09	1,000,000	6.32E-03
387	6.9451E-06	1.9885E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.53E-09	1,000,000	6.53E-03
388	6.9451E-06	1.9601E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.44E-09	1,000,000	6.44E-03
389	6.9451E-06	1.8436E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.06E-09	1,000,000	6.06E-03
390	6.9451E-06	1.6709E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.49E-09	1,000,000	5.49E-03
391	6.9451E-06	1.4769E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.85E-09	1,000,000	4.85E-03
392	6.9451E-06	1.2881E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.23E-09	1,000,000	4.23E-03
393	6.9451E-06	1.1174E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
394	6.9451E-06	9.7086E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03
395	6.9451E-06	8.4447E-06	1.05E-03	8.83E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
396	6.9451E-06	7.3897E-06	1.05E-03	7.72E-09	2.00	1.57E-01	2.43E-09	1,000,000	2.43E-03
397	6.9451E-06	6.5083E-06	1.05E-03	6.80E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
398	6.9451E-06	5.7655E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
399	6.9451E-06	1.2061E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.96E-09	1,000,000	3.96E-03
400	6.9451E-06	1.4307E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
401	6.9451E-06	1.7023E-05	1.05E-03	1.78E-08	2.00	1.57E-01	5.59E-09	1,000,000	5.59E-03
402	6.9451E-06	2.0135E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.61E-09	1,000,000	6.61E-03
403	6.9451E-06	2.3355E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.67E-09	1,000,000	7.67E-03
404	6.9451E-06	2.6035E-05	1.05E-03	2.72E-08	2.00	1.57E-01	8.55E-09	1,000,000	8.55E-03
405	6.9451E-06	2.7376E-05	1.05E-03	2.86E-08	2.00	1.57E-01	8.99E-09	1,000,000	8.99E-03
406	6.9451E-06	2.6827E-05	1.05E-03	2.80E-08	2.00	1.57E-01	8.81E-09	1,000,000	8.81E-03
407	6.9451E-06	2.4594E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.08E-09	1,000,000	8.08E-03
408	6.9451E-06	2.1522E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.07E-09	1,000,000	7.07E-03
409	6.9451E-06	1.8309E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.01E-09	1,000,000	6.01E-03
410	6.9451E-06	1.5399E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.06E-09	1,000,000	5.06E-03
411	6.9451E-06	1.2984E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.27E-09	1,000,000	4.27E-03
412	6.9451E-06	1.1022E-05	1.05E-03	1.15E-08	2.00	1.57E-01	3.62E-09	1,000,000	3.62E-03
413	6.9451E-06	9.4118E-06	1.05E-03	9.84E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
414	6.9451E-06	8.1141E-06	1.05E-03	8.48E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
415	6.9451E-06	7.0549E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	6.9451E-06	6.1732E-06	1.05E-03	6.45E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
417	6.9451E-06	1.3703E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
418	6.9451E-06	1.6781E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.51E-09	1,000,000	5.51E-03
419	6.9451E-06	2.0807E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.84E-09	1,000,000	6.84E-03
420	6.9451E-06	2.592E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.51E-09	1,000,000	8.51E-03
421	6.9451E-06	3.192E-05	1.05E-03	3.34E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
422	6.9451E-06	3.7726E-05	1.05E-03	3.94E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
423	6.9451E-06	4.0974E-05	1.05E-03	4.28E-08	2.00	1.57E-01	1.35E-08	1,000,000	1.35E-02
424	6.9451E-06	3.9683E-05	1.05E-03	4.15E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
425	6.9451E-06	3.4636E-05	1.05E-03	3.62E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
426	6.9451E-06	2.8542E-05	1.05E-03	2.98E-08	2.00	1.57E-01	9.38E-09	1,000,000	9.38E-03
427	6.9451E-06	2.2948E-05	1.05E-03	2.40E-08	2.00	1.57E-01	7.54E-09	1,000,000	7.54E-03
428	6.9451E-06	1.8501E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
429	6.9451E-06	1.5077E-05	1.05E-03	1.58E-08	2.00	1.57E-01	4.95E-09	1,000,000	4.95E-03
430	6.9451E-06	1.2451E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
431	6.9451E-06	1.0434E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
432	6.9451E-06	8.8636E-06	1.05E-03	9.26E-09	2.00	1.57E-01	2.91E-09	1,000,000	2.91E-03
433	6.9451E-06	7.6392E-06	1.05E-03	7.98E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
434	6.9451E-06	6.6285E-06	1.05E-03	6.93E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
435	6.9451E-06	1.5336E-05	1.05E-03	1.60E-08	2.00	1.57E-01	5.04E-09	1,000,000	5.04E-03
436	6.9451E-06	1.9433E-05	1.05E-03	2.03E-08	2.00	1.57E-01	6.38E-09	1,000,000	6.38E-03
437	6.9451E-06	2.529E-05	1.05E-03	2.64E-08	2.00	1.57E-01	8.31E-09	1,000,000	8.31E-03
438	6.9451E-06	3.3726E-05	1.05E-03	3.53E-08	2.00	1.57E-01	1.11E-08	1,000,000	1.11E-02
439	6.9451E-06	4.56E-05	1.05E-03	4.77E-08	2.00	1.57E-01	1.50E-08	1,000,000	1.50E-02
440	6.9451E-06	5.9872E-05	1.05E-03	6.26E-08	2.00	1.57E-01	1.97E-08	1,000,000	1.97E-02
441	6.9451E-06	6.9673E-05	1.05E-03	7.28E-08	2.00	1.57E-01	2.29E-08	1,000,000	2.29E-02
442	6.9451E-06	6.5803E-05	1.05E-03	6.88E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
443	6.9451E-06	5.2328E-05	1.05E-03	5.47E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
444	6.9451E-06	3.8973E-05	1.05E-03	4.07E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
445	6.9451E-06	2.9061E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.55E-09	1,000,000	9.55E-03
446	6.9451E-06	2.2209E-05	1.05E-03	2.32E-08	2.00	1.57E-01	7.30E-09	1,000,000	7.30E-03
447	6.9451E-06	1.7439E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.73E-09	1,000,000	5.73E-03
448	6.9451E-06	1.4009E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	6.9451E-06	1.1527E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
450	6.9451E-06	9.6653E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
451	6.9451E-06	8.1946E-06	1.05E-03	8.57E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
452	6.9451E-06	7.0686E-06	1.05E-03	7.39E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
453	6.9451E-06	1.6752E-05	1.05E-03	1.75E-08	2.00	1.57E-01	5.50E-09	1,000,000	5.50E-03
454	6.9451E-06	2.1898E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.19E-09	1,000,000	7.19E-03
455	6.9451E-06	2.9944E-05	1.05E-03	3.13E-08	2.00	1.57E-01	9.84E-09	1,000,000	9.84E-03
456	6.9451E-06	4.3307E-05	1.05E-03	4.53E-08	2.00	1.57E-01	1.42E-08	1,000,000	1.42E-02
457	6.9451E-06	6.684E-05	1.05E-03	6.99E-08	2.00	1.57E-01	2.20E-08	1,000,000	2.20E-02
458	6.9451E-06	0.00010814	1.05E-03	1.13E-07	2.00	1.57E-01	3.55E-08	1,000,000	3.55E-02
459	6.9451E-06	0.00015384	1.05E-03	1.61E-07	2.00	1.57E-01	5.05E-08	1,000,000	5.05E-02
460	6.9451E-06	0.00013354	1.05E-03	1.40E-07	2.00	1.57E-01	4.39E-08	1,000,000	4.39E-02
461	6.9451E-06	8.4883E-05	1.05E-03	8.87E-08	2.00	1.57E-01	2.79E-08	1,000,000	2.79E-02
462	6.9451E-06	5.4113E-05	1.05E-03	5.66E-08	2.00	1.57E-01	1.78E-08	1,000,000	1.78E-02
463	6.9451E-06	3.677E-05	1.05E-03	3.84E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
464	6.9451E-06	2.6488E-05	1.05E-03	2.77E-08	2.00	1.57E-01	8.70E-09	1,000,000	8.70E-03
465	6.9451E-06	2.0009E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.57E-09	1,000,000	6.57E-03
466	6.9451E-06	1.5687E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.15E-09	1,000,000	5.15E-03
467	6.9451E-06	1.2664E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
468	6.9451E-06	1.0455E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
469	6.9451E-06	8.7926E-06	1.05E-03	9.19E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
470	6.9451E-06	7.5131E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
471	6.9451E-06	1.6397E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.39E-09	1,000,000	5.39E-03
472	6.9451E-06	2.3664E-05	1.05E-03	2.47E-08	2.00	1.57E-01	7.77E-09	1,000,000	7.77E-03
473	6.9451E-06	3.356E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
474	6.9451E-06	5.1923E-05	1.05E-03	5.43E-08	2.00	1.57E-01	1.71E-08	1,000,000	1.71E-02
475	6.9451E-06	9.2298E-05	1.05E-03	9.65E-08	2.00	1.57E-01	3.03E-08	1,000,000	3.03E-02
476	6.9451E-06	1.7339E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.70E-09	1,000,000	5.70E-03
477	6.9451E-06	1.3726E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
478	6.9451E-06	1.1235E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
479	6.9451E-06	9.3657E-06	1.05E-03	9.79E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
480	6.9451E-06	7.9341E-06	1.05E-03	8.29E-09	2.00	1.57E-01	2.61E-09	1,000,000	2.61E-03
481	6.9451E-06	1.5243E-05	1.05E-03	1.59E-08	2.00	1.57E-01	5.01E-09	1,000,000	5.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	6.9451E-06	2.1907E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.20E-09	1,000,000	7.20E-03
483	6.9451E-06	3.1972E-05	1.05E-03	3.34E-08	2.00	1.57E-01	1.05E-08	1,000,000	1.05E-02
484	6.9451E-06	5.1456E-05	1.05E-03	5.38E-08	2.00	1.57E-01	1.69E-08	1,000,000	1.69E-02
485	6.9451E-06	0.0001035	1.05E-03	1.08E-07	2.00	1.57E-01	3.40E-08	1,000,000	3.40E-02
486	6.9451E-06	1.8596E-05	1.05E-03	1.94E-08	2.00	1.57E-01	6.11E-09	1,000,000	6.11E-03
487	6.9451E-06	1.4633E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.81E-09	1,000,000	4.81E-03
488	6.9451E-06	1.1836E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.89E-09	1,000,000	3.89E-03
489	6.9451E-06	9.8184E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
490	6.9451E-06	8.2864E-06	1.05E-03	8.66E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
491	6.9451E-06	1.358E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.46E-09	1,000,000	4.46E-03
492	6.9451E-06	1.8903E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.21E-09	1,000,000	6.21E-03
493	6.9451E-06	2.6876E-05	1.05E-03	2.81E-08	2.00	1.57E-01	8.83E-09	1,000,000	8.83E-03
494	6.9451E-06	4.2457E-05	1.05E-03	4.44E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
495	6.9451E-06	7.9074E-05	1.05E-03	8.26E-08	2.00	1.57E-01	2.60E-08	1,000,000	2.60E-02
496	6.9451E-06	0.00034222	1.05E-03	3.58E-07	2.00	1.57E-01	1.12E-07	1,000,000	1.12E-01
497	6.9451E-06	0.00015437	1.05E-03	1.61E-07	2.00	1.57E-01	5.07E-08	1,000,000	5.07E-02
498	6.9451E-06	2.5031E-05	1.05E-03	2.62E-08	2.00	1.57E-01	8.22E-09	1,000,000	8.22E-03
499	6.9451E-06	1.9069E-05	1.05E-03	1.99E-08	2.00	1.57E-01	6.26E-09	1,000,000	6.26E-03
500	6.9451E-06	1.5003E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
501	6.9451E-06	1.2154E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.99E-09	1,000,000	3.99E-03
502	6.9451E-06	1.0065E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.31E-09	1,000,000	3.31E-03
503	6.9451E-06	8.4915E-06	1.05E-03	8.88E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
504	6.9451E-06	1.1435E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.76E-09	1,000,000	3.76E-03
505	6.9451E-06	1.4927E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.90E-09	1,000,000	4.90E-03
506	6.9451E-06	2.1808E-05	1.05E-03	2.28E-08	2.00	1.57E-01	7.16E-09	1,000,000	7.16E-03
507	6.9451E-06	3.1223E-05	1.05E-03	3.26E-08	2.00	1.57E-01	1.03E-08	1,000,000	1.03E-02
508	6.9451E-06	5.09E-05	1.05E-03	5.32E-08	2.00	1.57E-01	1.67E-08	1,000,000	1.67E-02
509	6.9451E-06	8.1226E-05	1.05E-03	8.49E-08	2.00	1.57E-01	2.67E-08	1,000,000	2.67E-02
510	6.9451E-06	0.00011936	1.05E-03	1.25E-07	2.00	1.57E-01	3.92E-08	1,000,000	3.92E-02
511	6.9451E-06	0.00011911	1.05E-03	1.24E-07	2.00	1.57E-01	3.91E-08	1,000,000	3.91E-02
512	6.9451E-06	8.7911E-05	1.05E-03	9.19E-08	2.00	1.57E-01	2.89E-08	1,000,000	2.89E-02
513	6.9451E-06	6.0722E-05	1.05E-03	6.35E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
514	6.9451E-06	4.2694E-05	1.05E-03	4.46E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	6.9451E-06	3.111E-05	1.05E-03	3.25E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
516	6.9451E-06	2.3496E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.72E-09	1,000,000	7.72E-03
517	6.9451E-06	1.8313E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.02E-09	1,000,000	6.02E-03
518	6.9451E-06	1.4664E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.82E-09	1,000,000	4.82E-03
519	6.9451E-06	1.2008E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.94E-09	1,000,000	3.94E-03
520	6.9451E-06	1.002E-05	1.05E-03	1.05E-08	2.00	1.57E-01	3.29E-09	1,000,000	3.29E-03
521	6.9451E-06	8.4981E-06	1.05E-03	8.88E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
522	6.9451E-06	9.2617E-06	1.05E-03	9.68E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
523	6.9451E-06	1.2137E-05	1.05E-03	1.27E-08	2.00	1.57E-01	3.99E-09	1,000,000	3.99E-03
524	6.9451E-06	1.6251E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.34E-09	1,000,000	5.34E-03
525	6.9451E-06	2.2041E-05	1.05E-03	2.30E-08	2.00	1.57E-01	7.24E-09	1,000,000	7.24E-03
526	6.9451E-06	2.9129E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.57E-09	1,000,000	9.57E-03
527	6.9451E-06	4.2971E-05	1.05E-03	4.49E-08	2.00	1.57E-01	1.41E-08	1,000,000	1.41E-02
528	6.9451E-06	5.2349E-05	1.05E-03	5.47E-08	2.00	1.57E-01	1.72E-08	1,000,000	1.72E-02
529	6.9451E-06	5.516E-05	1.05E-03	5.77E-08	2.00	1.57E-01	1.81E-08	1,000,000	1.81E-02
530	6.9451E-06	5.0955E-05	1.05E-03	5.33E-08	2.00	1.57E-01	1.67E-08	1,000,000	1.67E-02
531	6.9451E-06	4.1576E-05	1.05E-03	4.35E-08	2.00	1.57E-01	1.37E-08	1,000,000	1.37E-02
532	6.9451E-06	3.2668E-05	1.05E-03	3.41E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
533	6.9451E-06	2.5734E-05	1.05E-03	2.69E-08	2.00	1.57E-01	8.45E-09	1,000,000	8.45E-03
534	6.9451E-06	2.0517E-05	1.05E-03	2.14E-08	2.00	1.57E-01	6.74E-09	1,000,000	6.74E-03
535	6.9451E-06	1.6612E-05	1.05E-03	1.74E-08	2.00	1.57E-01	5.46E-09	1,000,000	5.46E-03
536	6.9451E-06	1.3664E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.49E-09	1,000,000	4.49E-03
537	6.9451E-06	1.1407E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
538	6.9451E-06	9.6579E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
539	6.9451E-06	8.276E-06	1.05E-03	8.65E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
540	6.9451E-06	7.4795E-06	1.05E-03	7.82E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
541	6.9451E-06	9.3981E-06	1.05E-03	9.82E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
542	6.9451E-06	1.1904E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
543	6.9451E-06	1.5203E-05	1.05E-03	1.59E-08	2.00	1.57E-01	4.99E-09	1,000,000	4.99E-03
544	6.9451E-06	2.0061E-05	1.05E-03	2.10E-08	2.00	1.57E-01	6.59E-09	1,000,000	6.59E-03
545	6.9451E-06	2.4526E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.06E-09	1,000,000	8.06E-03
546	6.9451E-06	2.9265E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.61E-09	1,000,000	9.61E-03
547	6.9451E-06	3.0939E-05	1.05E-03	3.23E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	6.9451E-06	3.1002E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
549	6.9451E-06	2.8619E-05	1.05E-03	2.99E-08	2.00	1.57E-01	9.40E-09	1,000,000	9.40E-03
550	6.9451E-06	2.4752E-05	1.05E-03	2.59E-08	2.00	1.57E-01	8.13E-09	1,000,000	8.13E-03
551	6.9451E-06	2.0675E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
552	6.9451E-06	1.7266E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.67E-09	1,000,000	5.67E-03
553	6.9451E-06	1.4508E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
554	6.9451E-06	1.2287E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
555	6.9451E-06	1.0494E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
556	6.9451E-06	9.0441E-06	1.05E-03	9.45E-09	2.00	1.57E-01	2.97E-09	1,000,000	2.97E-03
557	6.9451E-06	7.8615E-06	1.05E-03	8.22E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
558	6.9451E-06	6.0591E-06	1.05E-03	6.33E-09	2.00	1.57E-01	1.99E-09	1,000,000	1.99E-03
559	6.9451E-06	7.3725E-06	1.05E-03	7.71E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
560	6.9451E-06	8.7193E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
561	6.9451E-06	1.0712E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.52E-09	1,000,000	3.52E-03
562	6.9451E-06	1.2681E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.17E-09	1,000,000	4.17E-03
563	6.9451E-06	1.5052E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.94E-09	1,000,000	4.94E-03
564	6.9451E-06	1.7982E-05	1.05E-03	1.88E-08	2.00	1.57E-01	5.91E-09	1,000,000	5.91E-03
565	6.9451E-06	1.9293E-05	1.05E-03	2.02E-08	2.00	1.57E-01	6.34E-09	1,000,000	6.34E-03
566	6.9451E-06	2.034E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.68E-09	1,000,000	6.68E-03
567	6.9451E-06	1.9874E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.53E-09	1,000,000	6.53E-03
568	6.9451E-06	1.8941E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.22E-09	1,000,000	6.22E-03
569	6.9451E-06	1.6384E-05	1.05E-03	1.71E-08	2.00	1.57E-01	5.38E-09	1,000,000	5.38E-03
570	6.9451E-06	1.4452E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.75E-09	1,000,000	4.75E-03
571	6.9451E-06	1.2454E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
572	6.9451E-06	1.0833E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
573	6.9451E-06	9.4557E-06	1.05E-03	9.88E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
574	6.9451E-06	8.2969E-06	1.05E-03	8.67E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
575	6.9451E-06	7.3212E-06	1.05E-03	7.65E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	6.9451E-06	6.5191E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.6E-03
2	6.9451E-06	7.1888E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
3	6.9451E-06	7.9039E-06	6.05E-04	4.78E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
4	6.9451E-06	8.6363E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
5	6.9451E-06	9.3556E-06	6.05E-04	5.66E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
6	6.9451E-06	1.0007E-05	6.05E-04	6.05E-09	14.00	4.71E-02	4.00E-09	1,000,000	4.00E-03
7	6.9451E-06	1.0509E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
8	6.9451E-06	1.0808E-05	6.05E-04	6.54E-09	14.00	4.71E-02	4.32E-09	1,000,000	4.32E-03
9	6.9451E-06	1.0869E-05	6.05E-04	6.58E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
10	6.9451E-06	1.0663E-05	6.05E-04	6.45E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
11	6.9451E-06	1.0223E-05	6.05E-04	6.19E-09	14.00	4.71E-02	4.08E-09	1,000,000	4.08E-03
12	6.9451E-06	9.6148E-06	6.05E-04	5.82E-09	14.00	4.71E-02	3.84E-09	1,000,000	3.84E-03
13	6.9451E-06	8.9086E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
14	6.9451E-06	8.1666E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
15	6.9451E-06	7.436E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
16	6.9451E-06	6.7392E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
17	6.9451E-06	6.1092E-06	6.05E-04	3.70E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
18	6.9451E-06	5.5366E-06	6.05E-04	3.35E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
19	6.9451E-06	5.0184E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
20	6.9451E-06	4.5669E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
21	6.9451E-06	4.1645E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
22	6.9451E-06	3.8037E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
23	6.9451E-06	7.2686E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
24	6.9451E-06	8.1364E-06	6.05E-04	4.92E-09	14.00	4.71E-02	3.25E-09	1,000,000	3.25E-03
25	6.9451E-06	9.0938E-06	6.05E-04	5.50E-09	14.00	4.71E-02	3.63E-09	1,000,000	3.63E-03
26	6.9451E-06	1.0117E-05	6.05E-04	6.12E-09	14.00	4.71E-02	4.04E-09	1,000,000	4.04E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	6.9451E-06	1.1152E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
28	6.9451E-06	1.2135E-05	6.05E-04	7.34E-09	14.00	4.71E-02	4.85E-09	1,000,000	4.85E-03
29	6.9451E-06	1.2911E-05	6.05E-04	7.81E-09	14.00	4.71E-02	5.16E-09	1,000,000	5.16E-03
30	6.9451E-06	1.3404E-05	6.05E-04	8.11E-09	14.00	4.71E-02	5.35E-09	1,000,000	5.35E-03
31	6.9451E-06	1.3488E-05	6.05E-04	8.16E-09	14.00	4.71E-02	5.39E-09	1,000,000	5.39E-03
32	6.9451E-06	1.3155E-05	6.05E-04	7.96E-09	14.00	4.71E-02	5.25E-09	1,000,000	5.25E-03
33	6.9451E-06	1.2458E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
34	6.9451E-06	1.1547E-05	6.05E-04	6.99E-09	14.00	4.71E-02	4.61E-09	1,000,000	4.61E-03
35	6.9451E-06	1.0525E-05	6.05E-04	6.37E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
36	6.9451E-06	9.4916E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
37	6.9451E-06	8.477E-06	6.05E-04	5.13E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
38	6.9451E-06	7.5706E-06	6.05E-04	4.58E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03
39	6.9451E-06	6.7774E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
40	6.9451E-06	6.0705E-06	6.05E-04	3.67E-09	14.00	4.71E-02	2.42E-09	1,000,000	2.42E-03
41	6.9451E-06	5.4465E-06	6.05E-04	3.30E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03
42	6.9451E-06	4.903E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
43	6.9451E-06	4.4296E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
44	6.9451E-06	4.037E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
45	6.9451E-06	8.1003E-06	6.05E-04	4.90E-09	14.00	4.71E-02	3.23E-09	1,000,000	3.23E-03
46	6.9451E-06	9.2245E-06	6.05E-04	5.58E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
47	6.9451E-06	1.0519E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
48	6.9451E-06	1.1968E-05	6.05E-04	7.24E-09	14.00	4.71E-02	4.78E-09	1,000,000	4.78E-03
49	6.9451E-06	1.351E-05	6.05E-04	8.17E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03
50	6.9451E-06	1.5026E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
51	6.9451E-06	1.6316E-05	6.05E-04	9.87E-09	14.00	4.71E-02	6.52E-09	1,000,000	6.52E-03
52	6.9451E-06	1.7136E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.84E-09	1,000,000	6.84E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	6.9451E-06	1.7299E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.91E-09	1,000,000	6.91E-03
54	6.9451E-06	1.672E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.68E-09	1,000,000	6.68E-03
55	6.9451E-06	1.5577E-05	6.05E-04	9.42E-09	14.00	4.71E-02	6.22E-09	1,000,000	6.22E-03
56	6.9451E-06	1.4119E-05	6.05E-04	8.54E-09	14.00	4.71E-02	5.64E-09	1,000,000	5.64E-03
57	6.9451E-06	1.2567E-05	6.05E-04	7.60E-09	14.00	4.71E-02	5.02E-09	1,000,000	5.02E-03
58	6.9451E-06	1.1103E-05	6.05E-04	6.72E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03
59	6.9451E-06	9.7124E-06	6.05E-04	5.88E-09	14.00	4.71E-02	3.88E-09	1,000,000	3.88E-03
60	6.9451E-06	8.5188E-06	6.05E-04	5.15E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
61	6.9451E-06	7.5126E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
62	6.9451E-06	6.639E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
63	6.9451E-06	5.8953E-06	6.05E-04	3.57E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
64	6.9451E-06	5.2649E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
65	6.9451E-06	4.7311E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
66	6.9451E-06	4.2746E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
67	6.9451E-06	8.9992E-06	6.05E-04	5.45E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
68	6.9451E-06	1.0447E-05	6.05E-04	6.32E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
69	6.9451E-06	1.2197E-05	6.05E-04	7.38E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
70	6.9451E-06	1.4264E-05	6.05E-04	8.63E-09	14.00	4.71E-02	5.70E-09	1,000,000	5.70E-03
71	6.9451E-06	1.6619E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.64E-09	1,000,000	6.64E-03
72	6.9451E-06	1.9101E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.63E-09	1,000,000	7.63E-03
73	6.9451E-06	2.1371E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.53E-09	1,000,000	8.53E-03
74	6.9451E-06	2.2868E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.13E-09	1,000,000	9.13E-03
75	6.9451E-06	2.3152E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.25E-09	1,000,000	9.25E-03
76	6.9451E-06	2.2114E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.83E-09	1,000,000	8.83E-03
77	6.9451E-06	2.0104E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.03E-09	1,000,000	8.03E-03
78	6.9451E-06	1.7685E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.06E-09	1,000,000	7.06E-03
79	6.9451E-06	1.5225E-05	6.05E-04	9.21E-09	14.00	4.71E-02	6.08E-09	1,000,000	6.08E-03
80	6.9451E-06	1.3029E-05	6.05E-04	7.88E-09	14.00	4.71E-02	5.20E-09	1,000,000	5.20E-03
81	6.9451E-06	1.1152E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.45E-09	1,000,000	4.45E-03
82	6.9451E-06	9.6093E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.84E-09	1,000,000	3.84E-03
83	6.9451E-06	8.3121E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
84	6.9451E-06	7.2525E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
85	6.9451E-06	6.3459E-06	6.05E-04	3.84E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	6.9451E-06	5.6357E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
87	6.9451E-06	5.0249E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
88	6.9451E-06	4.5147E-06	6.05E-04	2.73E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03
89	6.9451E-06	9.9298E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
90	6.9451E-06	1.177E-05	6.05E-04	7.12E-09	14.00	4.71E-02	4.70E-09	1,000,000	4.70E-03
91	6.9451E-06	1.411E-05	6.05E-04	8.54E-09	14.00	4.71E-02	5.63E-09	1,000,000	5.63E-03
92	6.9451E-06	1.7074E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.82E-09	1,000,000	6.82E-03
93	6.9451E-06	2.0737E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.28E-09	1,000,000	8.28E-03
94	6.9451E-06	2.4968E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.97E-09	1,000,000	9.97E-03
95	6.9451E-06	2.9259E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
96	6.9451E-06	3.2411E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
97	6.9451E-06	3.309E-05	6.05E-04	2.00E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
98	6.9451E-06	3.0878E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.23E-08	1,000,000	1.23E-02
99	6.9451E-06	2.6865E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
100	6.9451E-06	2.2509E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.99E-09	1,000,000	8.99E-03
101	6.9451E-06	1.8579E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.42E-09	1,000,000	7.42E-03
102	6.9451E-06	1.5346E-05	6.05E-04	9.29E-09	14.00	4.71E-02	6.13E-09	1,000,000	6.13E-03
103	6.9451E-06	1.2791E-05	6.05E-04	7.74E-09	14.00	4.71E-02	5.11E-09	1,000,000	5.11E-03
104	6.9451E-06	1.076E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.30E-09	1,000,000	4.30E-03
105	6.9451E-06	9.1701E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
106	6.9451E-06	7.8904E-06	6.05E-04	4.77E-09	14.00	4.71E-02	3.15E-09	1,000,000	3.15E-03
107	6.9451E-06	6.8531E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
108	6.9451E-06	6.014E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
109	6.9451E-06	5.3229E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
110	6.9451E-06	4.7575E-06	6.05E-04	2.88E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
111	6.9451E-06	1.0831E-05	6.05E-04	6.55E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
112	6.9451E-06	1.3117E-05	6.05E-04	7.94E-09	14.00	4.71E-02	5.24E-09	1,000,000	5.24E-03
113	6.9451E-06	1.6181E-05	6.05E-04	9.79E-09	14.00	4.71E-02	6.46E-09	1,000,000	6.46E-03
114	6.9451E-06	2.0355E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.13E-09	1,000,000	8.13E-03
115	6.9451E-06	2.6045E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
116	6.9451E-06	3.3558E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
117	6.9451E-06	4.2526E-05	6.05E-04	2.57E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
118	6.9451E-06	5.0387E-05	6.05E-04	3.05E-08	14.00	4.71E-02	2.01E-08	1,000,000	2.01E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	6.9451E-06	5.2251E-05	6.05E-04	3.16E-08	14.00	4.71E-02	2.09E-08	1,000,000	2.09E-02
120	6.9451E-06	4.6603E-05	6.05E-04	2.82E-08	14.00	4.71E-02	1.86E-08	1,000,000	1.86E-02
121	6.9451E-06	3.765E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.50E-08	1,000,000	1.50E-02
122	6.9451E-06	2.9269E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
123	6.9451E-06	2.282E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.11E-09	1,000,000	9.11E-03
124	6.9451E-06	1.8082E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.22E-09	1,000,000	7.22E-03
125	6.9451E-06	1.4616E-05	6.05E-04	8.84E-09	14.00	4.71E-02	5.84E-09	1,000,000	5.84E-03
126	6.9451E-06	1.2017E-05	6.05E-04	7.27E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
127	6.9451E-06	1.0066E-05	6.05E-04	6.09E-09	14.00	4.71E-02	4.02E-09	1,000,000	4.02E-03
128	6.9451E-06	8.5549E-06	6.05E-04	5.18E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
129	6.9451E-06	7.353E-06	6.05E-04	4.45E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
130	6.9451E-06	6.4052E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
131	6.9451E-06	5.6301E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
132	6.9451E-06	5.0019E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
133	6.9451E-06	1.1614E-05	6.05E-04	7.03E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
134	6.9451E-06	1.4339E-05	6.05E-04	8.68E-09	14.00	4.71E-02	5.73E-09	1,000,000	5.73E-03
135	6.9451E-06	1.8181E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.26E-09	1,000,000	7.26E-03
136	6.9451E-06	2.3826E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.51E-09	1,000,000	9.51E-03
137	6.9451E-06	3.2414E-05	6.05E-04	1.96E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
138	6.9451E-06	4.5878E-05	6.05E-04	2.78E-08	14.00	4.71E-02	1.83E-08	1,000,000	1.83E-02
139	6.9451E-06	6.6402E-05	6.05E-04	4.02E-08	14.00	4.71E-02	2.65E-08	1,000,000	2.65E-02
140	6.9451E-06	9.1191E-05	6.05E-04	5.52E-08	14.00	4.71E-02	3.64E-08	1,000,000	3.64E-02
141	6.9451E-06	9.843E-05	6.05E-04	5.96E-08	14.00	4.71E-02	3.93E-08	1,000,000	3.93E-02
142	6.9451E-06	7.8645E-05	6.05E-04	4.76E-08	14.00	4.71E-02	3.14E-08	1,000,000	3.14E-02
143	6.9451E-06	5.5029E-05	6.05E-04	3.33E-08	14.00	4.71E-02	2.20E-08	1,000,000	2.20E-02
144	6.9451E-06	3.8518E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
145	6.9451E-06	2.8016E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
146	6.9451E-06	2.1195E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.46E-09	1,000,000	8.46E-03
147	6.9451E-06	1.6606E-05	6.05E-04	1.00E-08	14.00	4.71E-02	6.63E-09	1,000,000	6.63E-03
148	6.9451E-06	1.3356E-05	6.05E-04	8.08E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
149	6.9451E-06	1.1012E-05	6.05E-04	6.66E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
150	6.9451E-06	9.2252E-06	6.05E-04	5.58E-09	14.00	4.71E-02	3.68E-09	1,000,000	3.68E-03
151	6.9451E-06	7.8545E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	6.9451E-06	6.7923E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
153	6.9451E-06	5.9369E-06	6.05E-04	3.59E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
154	6.9451E-06	5.2438E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
155	6.9451E-06	1.1111E-05	6.05E-04	6.72E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
156	6.9451E-06	1.4287E-05	6.05E-04	8.64E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
157	6.9451E-06	1.9798E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.91E-09	1,000,000	7.91E-03
158	6.9451E-06	2.6841E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
159	6.9451E-06	3.8743E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
160	6.9451E-06	6.0979E-05	6.05E-04	3.69E-08	14.00	4.71E-02	2.44E-08	1,000,000	2.44E-02
161	6.9451E-06	0.00010829	6.05E-04	6.55E-08	14.00	4.71E-02	4.32E-08	1,000,000	4.32E-02
162	6.9451E-06	0.00021599	6.05E-04	1.31E-07	14.00	4.71E-02	8.63E-08	1,000,000	8.63E-02
163	6.9451E-06	0.00028414	6.05E-04	1.72E-07	14.00	4.71E-02	1.13E-07	1,000,000	1.13E-01
164	6.9451E-06	0.00015331	6.05E-04	9.28E-08	14.00	4.71E-02	6.12E-08	1,000,000	6.12E-02
165	6.9451E-06	8.2594E-05	6.05E-04	5.00E-08	14.00	4.71E-02	3.30E-08	1,000,000	3.30E-02
166	6.9451E-06	5.0582E-05	6.05E-04	3.06E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
167	6.9451E-06	3.4103E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
168	6.9451E-06	2.4637E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.84E-09	1,000,000	9.84E-03
169	6.9451E-06	1.8723E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.48E-09	1,000,000	7.48E-03
170	6.9451E-06	1.4732E-05	6.05E-04	8.91E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
171	6.9451E-06	1.1922E-05	6.05E-04	7.21E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
172	6.9451E-06	9.9035E-06	6.05E-04	5.99E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03
173	6.9451E-06	8.3605E-06	6.05E-04	5.06E-09	14.00	4.71E-02	3.34E-09	1,000,000	3.34E-03
174	6.9451E-06	7.1729E-06	6.05E-04	4.34E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
175	6.9451E-06	6.2408E-06	6.05E-04	3.78E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
176	6.9451E-06	5.4857E-06	6.05E-04	3.32E-09	14.00	4.71E-02	2.19E-09	1,000,000	2.19E-03
177	6.9451E-06	1.0594E-05	6.05E-04	6.41E-09	14.00	4.71E-02	4.23E-09	1,000,000	4.23E-03
178	6.9451E-06	1.4008E-05	6.05E-04	8.48E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
179	6.9451E-06	1.9428E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.76E-09	1,000,000	7.76E-03
180	6.9451E-06	2.8601E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
181	6.9451E-06	4.2745E-05	6.05E-04	2.59E-08	14.00	4.71E-02	1.71E-08	1,000,000	1.71E-02
182	6.9451E-06	7.2303E-05	6.05E-04	4.37E-08	14.00	4.71E-02	2.89E-08	1,000,000	2.89E-02
183	6.9451E-06	0.00015389	6.05E-04	9.31E-08	14.00	4.71E-02	6.15E-08	1,000,000	6.15E-02
184	6.9451E-06	2.0635E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.24E-09	1,000,000	8.24E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	6.9451E-06	1.5935E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
186	6.9451E-06	1.2799E-05	6.05E-04	7.74E-09	14.00	4.71E-02	5.11E-09	1,000,000	5.11E-03
187	6.9451E-06	1.0511E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03
188	6.9451E-06	8.8084E-06	6.05E-04	5.33E-09	14.00	4.71E-02	3.52E-09	1,000,000	3.52E-03
189	6.9451E-06	7.5178E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
190	6.9451E-06	6.5068E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
191	6.9451E-06	5.6964E-06	6.05E-04	3.45E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
192	6.9451E-06	9.7432E-06	6.05E-04	5.90E-09	14.00	4.71E-02	3.89E-09	1,000,000	3.89E-03
193	6.9451E-06	1.2679E-05	6.05E-04	7.67E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
194	6.9451E-06	1.7354E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.93E-09	1,000,000	6.93E-03
195	6.9451E-06	2.5073E-05	6.05E-04	1.52E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
196	6.9451E-06	3.9314E-05	6.05E-04	2.38E-08	14.00	4.71E-02	1.57E-08	1,000,000	1.57E-02
197	6.9451E-06	6.6291E-05	6.05E-04	4.01E-08	14.00	4.71E-02	2.65E-08	1,000,000	2.65E-02
198	6.9451E-06	0.00014656	6.05E-04	8.87E-08	14.00	4.71E-02	5.85E-08	1,000,000	5.85E-02
199	6.9451E-06	0.00030601	6.05E-04	1.85E-07	14.00	4.71E-02	1.22E-07	1,000,000	1.22E-01
200	6.9451E-06	2.174E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.68E-09	1,000,000	8.68E-03
201	6.9451E-06	1.6745E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.69E-09	1,000,000	6.69E-03
202	6.9451E-06	1.3336E-05	6.05E-04	8.07E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
203	6.9451E-06	1.0928E-05	6.05E-04	6.61E-09	14.00	4.71E-02	4.36E-09	1,000,000	4.36E-03
204	6.9451E-06	9.1358E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
205	6.9451E-06	7.7726E-06	6.05E-04	4.70E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
206	6.9451E-06	6.7085E-06	6.05E-04	4.06E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
207	6.9451E-06	5.8638E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
208	6.9451E-06	8.5747E-06	6.05E-04	5.19E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
209	6.9451E-06	1.1077E-05	6.05E-04	6.70E-09	14.00	4.71E-02	4.42E-09	1,000,000	4.42E-03
210	6.9451E-06	1.426E-05	6.05E-04	8.63E-09	14.00	4.71E-02	5.69E-09	1,000,000	5.69E-03
211	6.9451E-06	2.0413E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.15E-09	1,000,000	8.15E-03
212	6.9451E-06	2.9945E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
213	6.9451E-06	4.8074E-05	6.05E-04	2.91E-08	14.00	4.71E-02	1.92E-08	1,000,000	1.92E-02
214	6.9451E-06	8.8732E-05	6.05E-04	5.37E-08	14.00	4.71E-02	3.54E-08	1,000,000	3.54E-02
215	6.9451E-06	0.000166	6.05E-04	1.00E-07	14.00	4.71E-02	6.63E-08	1,000,000	6.63E-02
216	6.9451E-06	0.00022385	6.05E-04	1.35E-07	14.00	4.71E-02	8.94E-08	1,000,000	8.94E-02
217	6.9451E-06	0.00015203	6.05E-04	9.20E-08	14.00	4.71E-02	6.07E-08	1,000,000	6.07E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	6.9451E-06	2.8408E-05	6.05E-04	1.72E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
219	6.9451E-06	2.1397E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.54E-09	1,000,000	8.54E-03
220	6.9451E-06	1.6707E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.67E-09	1,000,000	6.67E-03
221	6.9451E-06	1.3425E-05	6.05E-04	8.12E-09	14.00	4.71E-02	5.36E-09	1,000,000	5.36E-03
222	6.9451E-06	1.104E-05	6.05E-04	6.68E-09	14.00	4.71E-02	4.41E-09	1,000,000	4.41E-03
223	6.9451E-06	9.2536E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.70E-09	1,000,000	3.70E-03
224	6.9451E-06	7.8822E-06	6.05E-04	4.77E-09	14.00	4.71E-02	3.15E-09	1,000,000	3.15E-03
225	6.9451E-06	6.8059E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
226	6.9451E-06	5.9499E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
227	6.9451E-06	7.3248E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
228	6.9451E-06	9.1454E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
229	6.9451E-06	1.1705E-05	6.05E-04	7.08E-09	14.00	4.71E-02	4.67E-09	1,000,000	4.67E-03
230	6.9451E-06	1.5718E-05	6.05E-04	9.51E-09	14.00	4.71E-02	6.28E-09	1,000,000	6.28E-03
231	6.9451E-06	2.2015E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.79E-09	1,000,000	8.79E-03
232	6.9451E-06	3.1047E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
233	6.9451E-06	4.8374E-05	6.05E-04	2.93E-08	14.00	4.71E-02	1.93E-08	1,000,000	1.93E-02
234	6.9451E-06	6.7354E-05	6.05E-04	4.08E-08	14.00	4.71E-02	2.69E-08	1,000,000	2.69E-02
235	6.9451E-06	8.0435E-05	6.05E-04	4.87E-08	14.00	4.71E-02	3.21E-08	1,000,000	3.21E-02
236	6.9451E-06	7.5474E-05	6.05E-04	4.57E-08	14.00	4.71E-02	3.01E-08	1,000,000	3.01E-02
237	6.9451E-06	5.8058E-05	6.05E-04	3.51E-08	14.00	4.71E-02	2.32E-08	1,000,000	2.32E-02
238	6.9451E-06	4.3372E-05	6.05E-04	2.62E-08	14.00	4.71E-02	1.73E-08	1,000,000	1.73E-02
239	6.9451E-06	3.261E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
240	6.9451E-06	2.5017E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.99E-09	1,000,000	9.99E-03
241	6.9451E-06	1.9639E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.84E-09	1,000,000	7.84E-03
242	6.9451E-06	1.5766E-05	6.05E-04	9.54E-09	14.00	4.71E-02	6.30E-09	1,000,000	6.30E-03
243	6.9451E-06	1.291E-05	6.05E-04	7.81E-09	14.00	4.71E-02	5.16E-09	1,000,000	5.16E-03
244	6.9451E-06	1.0756E-05	6.05E-04	6.51E-09	14.00	4.71E-02	4.30E-09	1,000,000	4.30E-03
245	6.9451E-06	9.1025E-06	6.05E-04	5.51E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
246	6.9451E-06	7.8065E-06	6.05E-04	4.72E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
247	6.9451E-06	6.7742E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
248	6.9451E-06	5.9423E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
249	6.9451E-06	6.2474E-06	6.05E-04	3.78E-09	14.00	4.71E-02	2.49E-09	1,000,000	2.49E-03
250	6.9451E-06	7.5578E-06	6.05E-04	4.57E-09	14.00	4.71E-02	3.02E-09	1,000,000	3.02E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	6.9451E-06	9.2983E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
252	6.9451E-06	1.2019E-05	6.05E-04	7.27E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
253	6.9451E-06	1.5607E-05	6.05E-04	9.44E-09	14.00	4.71E-02	6.23E-09	1,000,000	6.23E-03
254	6.9451E-06	2.1574E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.62E-09	1,000,000	8.62E-03
255	6.9451E-06	2.8214E-05	6.05E-04	1.71E-08	14.00	4.71E-02	1.13E-08	1,000,000	1.13E-02
256	6.9451E-06	3.7043E-05	6.05E-04	2.24E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
257	6.9451E-06	4.0343E-05	6.05E-04	2.44E-08	14.00	4.71E-02	1.61E-08	1,000,000	1.61E-02
258	6.9451E-06	3.945E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
259	6.9451E-06	3.7115E-05	6.05E-04	2.25E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
260	6.9451E-06	3.1455E-05	6.05E-04	1.90E-08	14.00	4.71E-02	1.26E-08	1,000,000	1.26E-02
261	6.9451E-06	2.5601E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
262	6.9451E-06	2.0852E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.33E-09	1,000,000	8.33E-03
263	6.9451E-06	1.7122E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.84E-09	1,000,000	6.84E-03
264	6.9451E-06	1.4212E-05	6.05E-04	8.60E-09	14.00	4.71E-02	5.68E-09	1,000,000	5.68E-03
265	6.9451E-06	1.1931E-05	6.05E-04	7.22E-09	14.00	4.71E-02	4.76E-09	1,000,000	4.76E-03
266	6.9451E-06	1.013E-05	6.05E-04	6.13E-09	14.00	4.71E-02	4.05E-09	1,000,000	4.05E-03
267	6.9451E-06	8.6981E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
268	6.9451E-06	7.5424E-06	6.05E-04	4.56E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
269	6.9451E-06	6.6003E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
270	6.9451E-06	5.8263E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
271	6.9451E-06	5.18E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
272	6.9451E-06	6.0987E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
273	6.9451E-06	7.3721E-06	6.05E-04	4.46E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
274	6.9451E-06	9.0085E-06	6.05E-04	5.45E-09	14.00	4.71E-02	3.60E-09	1,000,000	3.60E-03
275	6.9451E-06	1.1163E-05	6.05E-04	6.75E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
276	6.9451E-06	1.4212E-05	6.05E-04	8.60E-09	14.00	4.71E-02	5.68E-09	1,000,000	5.68E-03
277	6.9451E-06	1.7684E-05	6.05E-04	1.07E-08	14.00	4.71E-02	7.06E-09	1,000,000	7.06E-03
278	6.9451E-06	2.0756E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.29E-09	1,000,000	8.29E-03
279	6.9451E-06	2.3582E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.42E-09	1,000,000	9.42E-03
280	6.9451E-06	2.4578E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.82E-09	1,000,000	9.82E-03
281	6.9451E-06	2.4412E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.75E-09	1,000,000	9.75E-03
282	6.9451E-06	2.3133E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.24E-09	1,000,000	9.24E-03
283	6.9451E-06	2.0054E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.01E-09	1,000,000	8.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	6.9451E-06	1.719E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.86E-09	1,000,000	6.86E-03
285	6.9451E-06	1.455E-05	6.05E-04	8.80E-09	14.00	4.71E-02	5.81E-09	1,000,000	5.81E-03
286	6.9451E-06	1.2458E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.98E-09	1,000,000	4.98E-03
287	6.9451E-06	1.0729E-05	6.05E-04	6.49E-09	14.00	4.71E-02	4.28E-09	1,000,000	4.28E-03
288	6.9451E-06	9.3009E-06	6.05E-04	5.63E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
289	6.9451E-06	8.1165E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
290	6.9451E-06	7.1318E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
291	6.9451E-06	6.3089E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
292	6.9451E-06	5.6166E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.24E-03
293	6.9451E-06	4.3241E-06	6.05E-04	2.62E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03
294	6.9451E-06	5.0205E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
295	6.9451E-06	5.8696E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
296	6.9451E-06	6.8556E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
297	6.9451E-06	8.2997E-06	6.05E-04	5.02E-09	14.00	4.71E-02	3.31E-09	1,000,000	3.31E-03
298	6.9451E-06	9.9272E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
299	6.9451E-06	1.1784E-05	6.05E-04	7.13E-09	14.00	4.71E-02	4.71E-09	1,000,000	4.71E-03
300	6.9451E-06	1.3997E-05	6.05E-04	8.47E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
301	6.9451E-06	1.4967E-05	6.05E-04	9.06E-09	14.00	4.71E-02	5.98E-09	1,000,000	5.98E-03
302	6.9451E-06	1.6444E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
303	6.9451E-06	1.6818E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.72E-09	1,000,000	6.72E-03
304	6.9451E-06	1.6791E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.71E-09	1,000,000	6.71E-03
305	6.9451E-06	1.545E-05	6.05E-04	9.35E-09	14.00	4.71E-02	6.17E-09	1,000,000	6.17E-03
306	6.9451E-06	1.3706E-05	6.05E-04	8.29E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
307	6.9451E-06	1.2326E-05	6.05E-04	7.46E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
308	6.9451E-06	1.1069E-05	6.05E-04	6.70E-09	14.00	4.71E-02	4.42E-09	1,000,000	4.42E-03
309	6.9451E-06	9.5148E-06	6.05E-04	5.76E-09	14.00	4.71E-02	3.80E-09	1,000,000	3.80E-03
310	6.9451E-06	8.3993E-06	6.05E-04	5.08E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
311	6.9451E-06	7.4479E-06	6.05E-04	4.51E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
312	6.9451E-06	6.6354E-06	6.05E-04	4.01E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
313	6.9451E-06	5.9362E-06	6.05E-04	3.59E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
314	6.9451E-06	5.3356E-06	6.05E-04	3.23E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
315	6.9451E-06	3.5414E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
316	6.9451E-06	4.0586E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	6.9451E-06	4.647E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
318	6.9451E-06	5.3143E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
319	6.9451E-06	6.0353E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
320	6.9451E-06	7.348E-06	6.05E-04	4.45E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
321	6.9451E-06	8.3285E-06	6.05E-04	5.04E-09	14.00	4.71E-02	3.33E-09	1,000,000	3.33E-03
322	6.9451E-06	9.4533E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
323	6.9451E-06	1.0692E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
324	6.9451E-06	1.1512E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
325	6.9451E-06	1.209E-05	6.05E-04	7.32E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
326	6.9451E-06	1.2289E-05	6.05E-04	7.44E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
327	6.9451E-06	1.3042E-05	6.05E-04	7.89E-09	14.00	4.71E-02	5.21E-09	1,000,000	5.21E-03
328	6.9451E-06	1.0669E-05	6.05E-04	6.46E-09	14.00	4.71E-02	4.26E-09	1,000,000	4.26E-03
329	6.9451E-06	9.9301E-06	6.05E-04	6.01E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
330	6.9451E-06	9.3347E-06	6.05E-04	5.65E-09	14.00	4.71E-02	3.73E-09	1,000,000	3.73E-03
331	6.9451E-06	8.5371E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
332	6.9451E-06	7.7236E-06	6.05E-04	4.67E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
333	6.9451E-06	7.0146E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
334	6.9451E-06	6.1066E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.44E-09	1,000,000	2.44E-03
335	6.9451E-06	5.5238E-06	6.05E-04	3.34E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
336	6.9451E-06	5.0124E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
337	6.9451E-06	3.0023E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
338	6.9451E-06	3.3621E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
339	6.9451E-06	3.7289E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
340	6.9451E-06	4.268E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
341	6.9451E-06	4.7649E-06	6.05E-04	2.88E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
342	6.9451E-06	5.6179E-06	6.05E-04	3.40E-09	14.00	4.71E-02	2.24E-09	1,000,000	2.24E-03
343	6.9451E-06	6.204E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
344	6.9451E-06	6.9777E-06	6.05E-04	4.22E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
345	6.9451E-06	7.7065E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
346	6.9451E-06	8.5224E-06	6.05E-04	5.16E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
347	6.9451E-06	8.8396E-06	6.05E-04	5.35E-09	14.00	4.71E-02	3.53E-09	1,000,000	3.53E-03
348	6.9451E-06	9.1152E-06	6.05E-04	5.52E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
349	6.9451E-06	8.2094E-06	6.05E-04	4.97E-09	14.00	4.71E-02	3.28E-09	1,000,000	3.28E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	6.9451E-06	8.0135E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
351	6.9451E-06	7.8028E-06	6.05E-04	4.72E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
352	6.9451E-06	7.3561E-06	6.05E-04	4.45E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
353	6.9451E-06	7.2431E-06	6.05E-04	4.38E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
354	6.9451E-06	6.8413E-06	6.05E-04	4.14E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
355	6.9451E-06	6.3561E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
356	6.9451E-06	5.8159E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
357	6.9451E-06	5.1053E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
358	6.9451E-06	4.6733E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
359	6.9451E-06	2.5077E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
360	6.9451E-06	2.7965E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
361	6.9451E-06	3.0943E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
362	6.9451E-06	3.4316E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
363	6.9451E-06	3.77E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
364	6.9451E-06	4.2794E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
365	6.9451E-06	4.8019E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
366	6.9451E-06	5.3627E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
367	6.9451E-06	6.0101E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
368	6.9451E-06	6.4017E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
369	6.9451E-06	6.5239E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
370	6.9451E-06	6.4024E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
371	6.9451E-06	6.4242E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
372	6.9451E-06	6.3092E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
373	6.9451E-06	6.0287E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
374	6.9451E-06	5.777E-06	6.05E-04	3.50E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
375	6.9451E-06	5.8412E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
376	6.9451E-06	5.665E-06	6.05E-04	3.43E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
377	6.9451E-06	5.5175E-06	6.05E-04	3.34E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
378	6.9451E-06	5.2617E-06	6.05E-04	3.18E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
379	6.9451E-06	4.9112E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
380	6.9451E-06	4.5824E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
381	6.9451E-06	1.0547E-05	6.05E-04	6.38E-09	14.00	4.71E-02	4.21E-09	1,000,000	4.21E-03
382	6.9451E-06	1.2166E-05	6.05E-04	7.36E-09	14.00	4.71E-02	4.86E-09	1,000,000	4.86E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	6.9451E-06	1.3993E-05	6.05E-04	8.47E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
384	6.9451E-06	1.5933E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
385	6.9451E-06	1.7793E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.11E-09	1,000,000	7.11E-03
386	6.9451E-06	1.923E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.68E-09	1,000,000	7.68E-03
387	6.9451E-06	1.9885E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.94E-09	1,000,000	7.94E-03
388	6.9451E-06	1.9601E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.83E-09	1,000,000	7.83E-03
389	6.9451E-06	1.8436E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.36E-09	1,000,000	7.36E-03
390	6.9451E-06	1.6709E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.67E-09	1,000,000	6.67E-03
391	6.9451E-06	1.4769E-05	6.05E-04	8.94E-09	14.00	4.71E-02	5.90E-09	1,000,000	5.90E-03
392	6.9451E-06	1.2881E-05	6.05E-04	7.79E-09	14.00	4.71E-02	5.14E-09	1,000,000	5.14E-03
393	6.9451E-06	1.1174E-05	6.05E-04	6.76E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
394	6.9451E-06	9.7086E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.88E-09	1,000,000	3.88E-03
395	6.9451E-06	8.4447E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
396	6.9451E-06	7.3897E-06	6.05E-04	4.47E-09	14.00	4.71E-02	2.95E-09	1,000,000	2.95E-03
397	6.9451E-06	6.5083E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
398	6.9451E-06	5.7655E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
399	6.9451E-06	1.2061E-05	6.05E-04	7.30E-09	14.00	4.71E-02	4.82E-09	1,000,000	4.82E-03
400	6.9451E-06	1.4307E-05	6.05E-04	8.66E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
401	6.9451E-06	1.7023E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.80E-09	1,000,000	6.80E-03
402	6.9451E-06	2.0135E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.04E-09	1,000,000	8.04E-03
403	6.9451E-06	2.3355E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.33E-09	1,000,000	9.33E-03
404	6.9451E-06	2.6035E-05	6.05E-04	1.58E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
405	6.9451E-06	2.7376E-05	6.05E-04	1.66E-08	14.00	4.71E-02	1.09E-08	1,000,000	1.09E-02
406	6.9451E-06	2.6827E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
407	6.9451E-06	2.4594E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.82E-09	1,000,000	9.82E-03
408	6.9451E-06	2.1522E-05	6.05E-04	1.30E-08	14.00	4.71E-02	8.59E-09	1,000,000	8.59E-03
409	6.9451E-06	1.8309E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.31E-09	1,000,000	7.31E-03
410	6.9451E-06	1.5399E-05	6.05E-04	9.32E-09	14.00	4.71E-02	6.15E-09	1,000,000	6.15E-03
411	6.9451E-06	1.2984E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.19E-09	1,000,000	5.19E-03
412	6.9451E-06	1.1022E-05	6.05E-04	6.67E-09	14.00	4.71E-02	4.40E-09	1,000,000	4.40E-03
413	6.9451E-06	9.4118E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
414	6.9451E-06	8.1141E-06	6.05E-04	4.91E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
415	6.9451E-06	7.0549E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	6.9451E-06	6.1732E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
417	6.9451E-06	1.3703E-05	6.05E-04	8.29E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
418	6.9451E-06	1.6781E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.70E-09	1,000,000	6.70E-03
419	6.9451E-06	2.0807E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.31E-09	1,000,000	8.31E-03
420	6.9451E-06	2.592E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
421	6.9451E-06	3.192E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
422	6.9451E-06	3.7726E-05	6.05E-04	2.28E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
423	6.9451E-06	4.0974E-05	6.05E-04	2.48E-08	14.00	4.71E-02	1.64E-08	1,000,000	1.64E-02
424	6.9451E-06	3.9683E-05	6.05E-04	2.40E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
425	6.9451E-06	3.4636E-05	6.05E-04	2.10E-08	14.00	4.71E-02	1.38E-08	1,000,000	1.38E-02
426	6.9451E-06	2.8542E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
427	6.9451E-06	2.2948E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.16E-09	1,000,000	9.16E-03
428	6.9451E-06	1.8501E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.39E-09	1,000,000	7.39E-03
429	6.9451E-06	1.5077E-05	6.05E-04	9.12E-09	14.00	4.71E-02	6.02E-09	1,000,000	6.02E-03
430	6.9451E-06	1.2451E-05	6.05E-04	7.53E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
431	6.9451E-06	1.0434E-05	6.05E-04	6.31E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
432	6.9451E-06	8.8636E-06	6.05E-04	5.36E-09	14.00	4.71E-02	3.54E-09	1,000,000	3.54E-03
433	6.9451E-06	7.6392E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
434	6.9451E-06	6.6285E-06	6.05E-04	4.01E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03
435	6.9451E-06	1.5336E-05	6.05E-04	9.28E-09	14.00	4.71E-02	6.12E-09	1,000,000	6.12E-03
436	6.9451E-06	1.9433E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.76E-09	1,000,000	7.76E-03
437	6.9451E-06	2.529E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
438	6.9451E-06	3.3726E-05	6.05E-04	2.04E-08	14.00	4.71E-02	1.35E-08	1,000,000	1.35E-02
439	6.9451E-06	4.56E-05	6.05E-04	2.76E-08	14.00	4.71E-02	1.82E-08	1,000,000	1.82E-02
440	6.9451E-06	5.9872E-05	6.05E-04	3.62E-08	14.00	4.71E-02	2.39E-08	1,000,000	2.39E-02
441	6.9451E-06	6.9673E-05	6.05E-04	4.22E-08	14.00	4.71E-02	2.78E-08	1,000,000	2.78E-02
442	6.9451E-06	6.5803E-05	6.05E-04	3.98E-08	14.00	4.71E-02	2.63E-08	1,000,000	2.63E-02
443	6.9451E-06	5.2328E-05	6.05E-04	3.17E-08	14.00	4.71E-02	2.09E-08	1,000,000	2.09E-02
444	6.9451E-06	3.8973E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
445	6.9451E-06	2.9061E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
446	6.9451E-06	2.2209E-05	6.05E-04	1.34E-08	14.00	4.71E-02	8.87E-09	1,000,000	8.87E-03
447	6.9451E-06	1.7439E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.96E-09	1,000,000	6.96E-03
448	6.9451E-06	1.4009E-05	6.05E-04	8.48E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	6.9451E-06	1.1527E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
450	6.9451E-06	9.6653E-06	6.05E-04	5.85E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
451	6.9451E-06	8.1946E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
452	6.9451E-06	7.0686E-06	6.05E-04	4.28E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
453	6.9451E-06	1.6752E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.69E-09	1,000,000	6.69E-03
454	6.9451E-06	2.1898E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.74E-09	1,000,000	8.74E-03
455	6.9451E-06	2.9944E-05	6.05E-04	1.81E-08	14.00	4.71E-02	1.20E-08	1,000,000	1.20E-02
456	6.9451E-06	4.3307E-05	6.05E-04	2.62E-08	14.00	4.71E-02	1.73E-08	1,000,000	1.73E-02
457	6.9451E-06	6.684E-05	6.05E-04	4.04E-08	14.00	4.71E-02	2.67E-08	1,000,000	2.67E-02
458	6.9451E-06	0.00010814	6.05E-04	6.54E-08	14.00	4.71E-02	4.32E-08	1,000,000	4.32E-02
459	6.9451E-06	0.00015384	6.05E-04	9.31E-08	14.00	4.71E-02	6.14E-08	1,000,000	6.14E-02
460	6.9451E-06	0.00013354	6.05E-04	8.08E-08	14.00	4.71E-02	5.33E-08	1,000,000	5.33E-02
461	6.9451E-06	8.4883E-05	6.05E-04	5.14E-08	14.00	4.71E-02	3.39E-08	1,000,000	3.39E-02
462	6.9451E-06	5.4113E-05	6.05E-04	3.27E-08	14.00	4.71E-02	2.16E-08	1,000,000	2.16E-02
463	6.9451E-06	3.677E-05	6.05E-04	2.22E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
464	6.9451E-06	2.6488E-05	6.05E-04	1.60E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
465	6.9451E-06	2.0009E-05	6.05E-04	1.21E-08	14.00	4.71E-02	7.99E-09	1,000,000	7.99E-03
466	6.9451E-06	1.5687E-05	6.05E-04	9.49E-09	14.00	4.71E-02	6.26E-09	1,000,000	6.26E-03
467	6.9451E-06	1.2664E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
468	6.9451E-06	1.0455E-05	6.05E-04	6.33E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
469	6.9451E-06	8.7926E-06	6.05E-04	5.32E-09	14.00	4.71E-02	3.51E-09	1,000,000	3.51E-03
470	6.9451E-06	7.5131E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
471	6.9451E-06	1.6397E-05	6.05E-04	9.92E-09	14.00	4.71E-02	6.55E-09	1,000,000	6.55E-03
472	6.9451E-06	2.3664E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.45E-09	1,000,000	9.45E-03
473	6.9451E-06	3.356E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
474	6.9451E-06	5.1923E-05	6.05E-04	3.14E-08	14.00	4.71E-02	2.07E-08	1,000,000	2.07E-02
475	6.9451E-06	9.2298E-05	6.05E-04	5.58E-08	14.00	4.71E-02	3.69E-08	1,000,000	3.69E-02
476	6.9451E-06	1.7339E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.92E-09	1,000,000	6.92E-03
477	6.9451E-06	1.3726E-05	6.05E-04	8.31E-09	14.00	4.71E-02	5.48E-09	1,000,000	5.48E-03
478	6.9451E-06	1.1235E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
479	6.9451E-06	9.3657E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
480	6.9451E-06	7.9341E-06	6.05E-04	4.80E-09	14.00	4.71E-02	3.17E-09	1,000,000	3.17E-03
481	6.9451E-06	1.5243E-05	6.05E-04	9.22E-09	14.00	4.71E-02	6.09E-09	1,000,000	6.09E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	6.9451E-06	2.1907E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.75E-09	1,000,000	8.75E-03
483	6.9451E-06	3.1972E-05	6.05E-04	1.93E-08	14.00	4.71E-02	1.28E-08	1,000,000	1.28E-02
484	6.9451E-06	5.1456E-05	6.05E-04	3.11E-08	14.00	4.71E-02	2.05E-08	1,000,000	2.05E-02
485	6.9451E-06	0.0001035	6.05E-04	6.26E-08	14.00	4.71E-02	4.13E-08	1,000,000	4.13E-02
486	6.9451E-06	1.8596E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.43E-09	1,000,000	7.43E-03
487	6.9451E-06	1.4633E-05	6.05E-04	8.85E-09	14.00	4.71E-02	5.84E-09	1,000,000	5.84E-03
488	6.9451E-06	1.1836E-05	6.05E-04	7.16E-09	14.00	4.71E-02	4.73E-09	1,000,000	4.73E-03
489	6.9451E-06	9.8184E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
490	6.9451E-06	8.2864E-06	6.05E-04	5.01E-09	14.00	4.71E-02	3.31E-09	1,000,000	3.31E-03
491	6.9451E-06	1.358E-05	6.05E-04	8.22E-09	14.00	4.71E-02	5.42E-09	1,000,000	5.42E-03
492	6.9451E-06	1.8903E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.55E-09	1,000,000	7.55E-03
493	6.9451E-06	2.6876E-05	6.05E-04	1.63E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
494	6.9451E-06	4.2457E-05	6.05E-04	2.57E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
495	6.9451E-06	7.9074E-05	6.05E-04	4.78E-08	14.00	4.71E-02	3.16E-08	1,000,000	3.16E-02
496	6.9451E-06	0.00034222	6.05E-04	2.07E-07	14.00	4.71E-02	1.37E-07	1,000,000	1.37E-01
497	6.9451E-06	0.00015437	6.05E-04	9.34E-08	14.00	4.71E-02	6.16E-08	1,000,000	6.16E-02
498	6.9451E-06	2.5031E-05	6.05E-04	1.51E-08	14.00	4.71E-02	1.00E-08	1,000,000	1.00E-02
499	6.9451E-06	1.9069E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.62E-09	1,000,000	7.62E-03
500	6.9451E-06	1.5003E-05	6.05E-04	9.08E-09	14.00	4.71E-02	5.99E-09	1,000,000	5.99E-03
501	6.9451E-06	1.2154E-05	6.05E-04	7.35E-09	14.00	4.71E-02	4.85E-09	1,000,000	4.85E-03
502	6.9451E-06	1.0065E-05	6.05E-04	6.09E-09	14.00	4.71E-02	4.02E-09	1,000,000	4.02E-03
503	6.9451E-06	8.4915E-06	6.05E-04	5.14E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
504	6.9451E-06	1.1435E-05	6.05E-04	6.92E-09	14.00	4.71E-02	4.57E-09	1,000,000	4.57E-03
505	6.9451E-06	1.4927E-05	6.05E-04	9.03E-09	14.00	4.71E-02	5.96E-09	1,000,000	5.96E-03
506	6.9451E-06	2.1808E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.71E-09	1,000,000	8.71E-03
507	6.9451E-06	3.1223E-05	6.05E-04	1.89E-08	14.00	4.71E-02	1.25E-08	1,000,000	1.25E-02
508	6.9451E-06	5.09E-05	6.05E-04	3.08E-08	14.00	4.71E-02	2.03E-08	1,000,000	2.03E-02
509	6.9451E-06	8.1226E-05	6.05E-04	4.91E-08	14.00	4.71E-02	3.24E-08	1,000,000	3.24E-02
510	6.9451E-06	0.00011936	6.05E-04	7.22E-08	14.00	4.71E-02	4.77E-08	1,000,000	4.77E-02
511	6.9451E-06	0.00011911	6.05E-04	7.21E-08	14.00	4.71E-02	4.76E-08	1,000,000	4.76E-02
512	6.9451E-06	8.7911E-05	6.05E-04	5.32E-08	14.00	4.71E-02	3.51E-08	1,000,000	3.51E-02
513	6.9451E-06	6.0722E-05	6.05E-04	3.67E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
514	6.9451E-06	4.2694E-05	6.05E-04	2.58E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	6.9451E-06	3.111E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
516	6.9451E-06	2.3496E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.38E-09	1,000,000	9.38E-03
517	6.9451E-06	1.8313E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.31E-09	1,000,000	7.31E-03
518	6.9451E-06	1.4664E-05	6.05E-04	8.87E-09	14.00	4.71E-02	5.86E-09	1,000,000	5.86E-03
519	6.9451E-06	1.2008E-05	6.05E-04	7.27E-09	14.00	4.71E-02	4.80E-09	1,000,000	4.80E-03
520	6.9451E-06	1.002E-05	6.05E-04	6.06E-09	14.00	4.71E-02	4.00E-09	1,000,000	4.00E-03
521	6.9451E-06	8.4981E-06	6.05E-04	5.14E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
522	6.9451E-06	9.2617E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.70E-09	1,000,000	3.70E-03
523	6.9451E-06	1.2137E-05	6.05E-04	7.34E-09	14.00	4.71E-02	4.85E-09	1,000,000	4.85E-03
524	6.9451E-06	1.6251E-05	6.05E-04	9.83E-09	14.00	4.71E-02	6.49E-09	1,000,000	6.49E-03
525	6.9451E-06	2.2041E-05	6.05E-04	1.33E-08	14.00	4.71E-02	8.80E-09	1,000,000	8.80E-03
526	6.9451E-06	2.9129E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
527	6.9451E-06	4.2971E-05	6.05E-04	2.60E-08	14.00	4.71E-02	1.72E-08	1,000,000	1.72E-02
528	6.9451E-06	5.2349E-05	6.05E-04	3.17E-08	14.00	4.71E-02	2.09E-08	1,000,000	2.09E-02
529	6.9451E-06	5.516E-05	6.05E-04	3.34E-08	14.00	4.71E-02	2.20E-08	1,000,000	2.20E-02
530	6.9451E-06	5.0955E-05	6.05E-04	3.08E-08	14.00	4.71E-02	2.03E-08	1,000,000	2.03E-02
531	6.9451E-06	4.1576E-05	6.05E-04	2.52E-08	14.00	4.71E-02	1.66E-08	1,000,000	1.66E-02
532	6.9451E-06	3.2668E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
533	6.9451E-06	2.5734E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
534	6.9451E-06	2.0517E-05	6.05E-04	1.24E-08	14.00	4.71E-02	8.19E-09	1,000,000	8.19E-03
535	6.9451E-06	1.6612E-05	6.05E-04	1.01E-08	14.00	4.71E-02	6.63E-09	1,000,000	6.63E-03
536	6.9451E-06	1.3664E-05	6.05E-04	8.27E-09	14.00	4.71E-02	5.46E-09	1,000,000	5.46E-03
537	6.9451E-06	1.1407E-05	6.05E-04	6.90E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
538	6.9451E-06	9.6579E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.86E-09	1,000,000	3.86E-03
539	6.9451E-06	8.276E-06	6.05E-04	5.01E-09	14.00	4.71E-02	3.30E-09	1,000,000	3.30E-03
540	6.9451E-06	7.4795E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
541	6.9451E-06	9.3981E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
542	6.9451E-06	1.1904E-05	6.05E-04	7.20E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
543	6.9451E-06	1.5203E-05	6.05E-04	9.20E-09	14.00	4.71E-02	6.07E-09	1,000,000	6.07E-03
544	6.9451E-06	2.0061E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.01E-09	1,000,000	8.01E-03
545	6.9451E-06	2.4526E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.79E-09	1,000,000	9.79E-03
546	6.9451E-06	2.9265E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
547	6.9451E-06	3.0939E-05	6.05E-04	1.87E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	6.9451E-06	3.1002E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
549	6.9451E-06	2.8619E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
550	6.9451E-06	2.4752E-05	6.05E-04	1.50E-08	14.00	4.71E-02	9.88E-09	1,000,000	9.88E-03
551	6.9451E-06	2.0675E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.26E-09	1,000,000	8.26E-03
552	6.9451E-06	1.7266E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.90E-09	1,000,000	6.90E-03
553	6.9451E-06	1.4508E-05	6.05E-04	8.78E-09	14.00	4.71E-02	5.79E-09	1,000,000	5.79E-03
554	6.9451E-06	1.2287E-05	6.05E-04	7.43E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
555	6.9451E-06	1.0494E-05	6.05E-04	6.35E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
556	6.9451E-06	9.0441E-06	6.05E-04	5.47E-09	14.00	4.71E-02	3.61E-09	1,000,000	3.61E-03
557	6.9451E-06	7.8615E-06	6.05E-04	4.76E-09	14.00	4.71E-02	3.14E-09	1,000,000	3.14E-03
558	6.9451E-06	6.0591E-06	6.05E-04	3.67E-09	14.00	4.71E-02	2.42E-09	1,000,000	2.42E-03
559	6.9451E-06	7.3725E-06	6.05E-04	4.46E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
560	6.9451E-06	8.7193E-06	6.05E-04	5.28E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
561	6.9451E-06	1.0712E-05	6.05E-04	6.48E-09	14.00	4.71E-02	4.28E-09	1,000,000	4.28E-03
562	6.9451E-06	1.2681E-05	6.05E-04	7.67E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
563	6.9451E-06	1.5052E-05	6.05E-04	9.11E-09	14.00	4.71E-02	6.01E-09	1,000,000	6.01E-03
564	6.9451E-06	1.7982E-05	6.05E-04	1.09E-08	14.00	4.71E-02	7.18E-09	1,000,000	7.18E-03
565	6.9451E-06	1.9293E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.70E-09	1,000,000	7.70E-03
566	6.9451E-06	2.034E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.12E-09	1,000,000	8.12E-03
567	6.9451E-06	1.9874E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.94E-09	1,000,000	7.94E-03
568	6.9451E-06	1.8941E-05	6.05E-04	1.15E-08	14.00	4.71E-02	7.56E-09	1,000,000	7.56E-03
569	6.9451E-06	1.6384E-05	6.05E-04	9.91E-09	14.00	4.71E-02	6.54E-09	1,000,000	6.54E-03
570	6.9451E-06	1.4452E-05	6.05E-04	8.74E-09	14.00	4.71E-02	5.77E-09	1,000,000	5.77E-03
571	6.9451E-06	1.2454E-05	6.05E-04	7.54E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
572	6.9451E-06	1.0833E-05	6.05E-04	6.55E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
573	6.9451E-06	9.4557E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
574	6.9451E-06	8.2969E-06	6.05E-04	5.02E-09	14.00	4.71E-02	3.31E-09	1,000,000	3.31E-03
575	6.9451E-06	7.3212E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	6.95E-06	6.5191E-06	2.50E-04	1.63E-09	1.40E+01	1.57E-02	3.59E-10	1.0E+06	3.6E-04	5.2E-03	Res	0.273	496
2	6.9451E-06	7.1888E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
3	6.9451E-06	7.9039E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.35E-10	1,000,000	4.35E-04	6.3E-03			
4	6.9451E-06	8.6363E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.9E-03			
5	6.9451E-06	9.3556E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.15E-10	1,000,000	5.15E-04	7.5E-03			
6	6.9451E-06	1.0007E-05	2.50E-04	2.50E-09	14.00	1.57E-02	5.51E-10	1,000,000	5.51E-04	8.0E-03			
7	6.9451E-06	1.0509E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.79E-10	1,000,000	5.79E-04	8.4E-03			
8	6.9451E-06	1.0808E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.95E-10	1,000,000	5.95E-04	8.6E-03			
9	6.9451E-06	1.0869E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.98E-10	1,000,000	5.98E-04	8.7E-03			
10	6.9451E-06	1.0663E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
11	6.9451E-06	1.0223E-05	2.50E-04	2.56E-09	14.00	1.57E-02	5.63E-10	1,000,000	5.63E-04	8.1E-03			
12	6.9451E-06	9.6148E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.7E-03			
13	6.9451E-06	8.9086E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.91E-10	1,000,000	4.91E-04	7.1E-03			
14	6.9451E-06	8.1666E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.50E-10	1,000,000	4.50E-04	6.5E-03			
15	6.9451E-06	7.436E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
16	6.9451E-06	6.7392E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.4E-03			
17	6.9451E-06	6.1092E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
18	6.9451E-06	5.5366E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.05E-10	1,000,000	3.05E-04	4.4E-03			
19	6.9451E-06	5.0184E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
20	6.9451E-06	4.5669E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
21	6.9451E-06	4.1645E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.29E-10	1,000,000	2.29E-04	3.3E-03			
22	6.9451E-06	3.8037E-06	2.50E-04	9.52E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
23	6.9451E-06	7.2686E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
24	6.9451E-06	8.1364E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.48E-10	1,000,000	4.48E-04	6.5E-03			
25	6.9451E-06	9.0938E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.01E-10	1,000,000	5.01E-04	7.2E-03			
26	6.9451E-06	1.0117E-05	2.50E-04	2.53E-09	14.00	1.57E-02	5.57E-10	1,000,000	5.57E-04	8.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	6.9451E-06	1.1152E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.9E-03			
28	6.9451E-06	1.2135E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.68E-10	1,000,000	6.68E-04	9.7E-03			
29	6.9451E-06	1.2911E-05	2.50E-04	3.23E-09	14.00	1.57E-02	7.11E-10	1,000,000	7.11E-04	1.0E-02			
30	6.9451E-06	1.3404E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.38E-10	1,000,000	7.38E-04	1.1E-02			
31	6.9451E-06	1.3488E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.43E-10	1,000,000	7.43E-04	1.1E-02			
32	6.9451E-06	1.3155E-05	2.50E-04	3.29E-09	14.00	1.57E-02	7.24E-10	1,000,000	7.24E-04	1.0E-02			
33	6.9451E-06	1.2458E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
34	6.9451E-06	1.1547E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.36E-10	1,000,000	6.36E-04	9.2E-03			
35	6.9451E-06	1.0525E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.80E-10	1,000,000	5.80E-04	8.4E-03			
36	6.9451E-06	9.4916E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.23E-10	1,000,000	5.23E-04	7.6E-03			
37	6.9451E-06	8.477E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.67E-10	1,000,000	4.67E-04	6.8E-03			
38	6.9451E-06	7.5706E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.17E-10	1,000,000	4.17E-04	6.0E-03			
39	6.9451E-06	6.7774E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
40	6.9451E-06	6.0705E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.34E-10	1,000,000	3.34E-04	4.8E-03			
41	6.9451E-06	5.4465E-06	2.50E-04	1.36E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03			
42	6.9451E-06	4.903E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
43	6.9451E-06	4.4296E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
44	6.9451E-06	4.037E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
45	6.9451E-06	8.1003E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.46E-10	1,000,000	4.46E-04	6.5E-03			
46	6.9451E-06	9.2245E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.3E-03			
47	6.9451E-06	1.0519E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.79E-10	1,000,000	5.79E-04	8.4E-03			
48	6.9451E-06	1.1968E-05	2.50E-04	3.00E-09	14.00	1.57E-02	6.59E-10	1,000,000	6.59E-04	9.5E-03			
49	6.9451E-06	1.351E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.44E-10	1,000,000	7.44E-04	1.1E-02			
50	6.9451E-06	1.5026E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
51	6.9451E-06	1.6316E-05	2.50E-04	4.08E-09	14.00	1.57E-02	8.98E-10	1,000,000	8.98E-04	1.3E-02			
52	6.9451E-06	1.7136E-05	2.50E-04	4.29E-09	14.00	1.57E-02	9.43E-10	1,000,000	9.43E-04	1.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	6.9451E-06	1.7299E-05	2.50E-04	4.33E-09	14.00	1.57E-02	9.53E-10	1,000,000	9.53E-04	1.4E-02			
54	6.9451E-06	1.672E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.21E-10	1,000,000	9.21E-04	1.3E-02			
55	6.9451E-06	1.5577E-05	2.50E-04	3.90E-09	14.00	1.57E-02	8.58E-10	1,000,000	8.58E-04	1.2E-02			
56	6.9451E-06	1.4119E-05	2.50E-04	3.53E-09	14.00	1.57E-02	7.77E-10	1,000,000	7.77E-04	1.1E-02			
57	6.9451E-06	1.2567E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.92E-10	1,000,000	6.92E-04	1.0E-02			
58	6.9451E-06	1.1103E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.11E-10	1,000,000	6.11E-04	8.8E-03			
59	6.9451E-06	9.7124E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.35E-10	1,000,000	5.35E-04	7.7E-03			
60	6.9451E-06	8.5188E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
61	6.9451E-06	7.5126E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
62	6.9451E-06	6.639E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
63	6.9451E-06	5.8953E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.25E-10	1,000,000	3.25E-04	4.7E-03			
64	6.9451E-06	5.2649E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
65	6.9451E-06	4.7311E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
66	6.9451E-06	4.2746E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
67	6.9451E-06	8.9992E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.95E-10	1,000,000	4.95E-04	7.2E-03			
68	6.9451E-06	1.0447E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.75E-10	1,000,000	5.75E-04	8.3E-03			
69	6.9451E-06	1.2197E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.72E-10	1,000,000	6.72E-04	9.7E-03			
70	6.9451E-06	1.4264E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.85E-10	1,000,000	7.85E-04	1.1E-02			
71	6.9451E-06	1.6619E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.15E-10	1,000,000	9.15E-04	1.3E-02			
72	6.9451E-06	1.9101E-05	2.50E-04	4.78E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
73	6.9451E-06	2.1371E-05	2.50E-04	5.35E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
74	6.9451E-06	2.2868E-05	2.50E-04	5.72E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
75	6.9451E-06	2.3152E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
76	6.9451E-06	2.2114E-05	2.50E-04	5.53E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
77	6.9451E-06	2.0104E-05	2.50E-04	5.03E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
78	6.9451E-06	1.7685E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.74E-10	1,000,000	9.74E-04	1.4E-02			
79	6.9451E-06	1.5225E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.38E-10	1,000,000	8.38E-04	1.2E-02			
80	6.9451E-06	1.3029E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.17E-10	1,000,000	7.17E-04	1.0E-02			
81	6.9451E-06	1.1152E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.14E-10	1,000,000	6.14E-04	8.9E-03			
82	6.9451E-06	9.6093E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.7E-03			
83	6.9451E-06	8.3121E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
84	6.9451E-06	7.2525E-06	2.50E-04	1.82E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
85	6.9451E-06	6.3459E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	6.9451E-06	5.6357E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
87	6.9451E-06	5.0249E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
88	6.9451E-06	4.5147E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
89	6.9451E-06	9.9298E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
90	6.9451E-06	1.177E-05	2.50E-04	2.95E-09	14.00	1.57E-02	6.48E-10	1,000,000	6.48E-04	9.4E-03			
91	6.9451E-06	1.411E-05	2.50E-04	3.53E-09	14.00	1.57E-02	7.77E-10	1,000,000	7.77E-04	1.1E-02			
92	6.9451E-06	1.7074E-05	2.50E-04	4.27E-09	14.00	1.57E-02	9.40E-10	1,000,000	9.40E-04	1.4E-02			
93	6.9451E-06	2.0737E-05	2.50E-04	5.19E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
94	6.9451E-06	2.4968E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
95	6.9451E-06	2.9259E-05	2.50E-04	7.32E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
96	6.9451E-06	3.2411E-05	2.50E-04	8.11E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
97	6.9451E-06	3.309E-05	2.50E-04	8.28E-09	14.00	1.57E-02	1.82E-09	1,000,000	1.82E-03	2.6E-02			
98	6.9451E-06	3.0878E-05	2.50E-04	7.73E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			
99	6.9451E-06	2.6865E-05	2.50E-04	6.72E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
100	6.9451E-06	2.2509E-05	2.50E-04	5.63E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
101	6.9451E-06	1.8579E-05	2.50E-04	4.65E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
102	6.9451E-06	1.5346E-05	2.50E-04	3.84E-09	14.00	1.57E-02	8.45E-10	1,000,000	8.45E-04	1.2E-02			
103	6.9451E-06	1.2791E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.04E-10	1,000,000	7.04E-04	1.0E-02			
104	6.9451E-06	1.076E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.6E-03			
105	6.9451E-06	9.1701E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
106	6.9451E-06	7.8904E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.34E-10	1,000,000	4.34E-04	6.3E-03			
107	6.9451E-06	6.8531E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.5E-03			
108	6.9451E-06	6.014E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
109	6.9451E-06	5.3229E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
110	6.9451E-06	4.7575E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
111	6.9451E-06	1.0831E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.96E-10	1,000,000	5.96E-04	8.6E-03			
112	6.9451E-06	1.3117E-05	2.50E-04	3.28E-09	14.00	1.57E-02	7.22E-10	1,000,000	7.22E-04	1.0E-02			
113	6.9451E-06	1.6181E-05	2.50E-04	4.05E-09	14.00	1.57E-02	8.91E-10	1,000,000	8.91E-04	1.3E-02			
114	6.9451E-06	2.0355E-05	2.50E-04	5.09E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
115	6.9451E-06	2.6045E-05	2.50E-04	6.52E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
116	6.9451E-06	3.3558E-05	2.50E-04	8.40E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
117	6.9451E-06	4.2526E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.34E-09	1,000,000	2.34E-03	3.4E-02			
118	6.9451E-06	5.0387E-05	2.50E-04	1.26E-08	14.00	1.57E-02	2.77E-09	1,000,000	2.77E-03	4.0E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	6.9451E-06	5.2251E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.88E-09	1,000,000	2.88E-03	4.2E-02			
120	6.9451E-06	4.6603E-05	2.50E-04	1.17E-08	14.00	1.57E-02	2.57E-09	1,000,000	2.57E-03	3.7E-02			
121	6.9451E-06	3.765E-05	2.50E-04	9.42E-09	14.00	1.57E-02	2.07E-09	1,000,000	2.07E-03	3.0E-02			
122	6.9451E-06	2.9269E-05	2.50E-04	7.33E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
123	6.9451E-06	2.282E-05	2.50E-04	5.71E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
124	6.9451E-06	1.8082E-05	2.50E-04	4.53E-09	14.00	1.57E-02	9.96E-10	1,000,000	9.96E-04	1.4E-02			
125	6.9451E-06	1.4616E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.05E-10	1,000,000	8.05E-04	1.2E-02			
126	6.9451E-06	1.2017E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
127	6.9451E-06	1.0066E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.54E-10	1,000,000	5.54E-04	8.0E-03			
128	6.9451E-06	8.5549E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.71E-10	1,000,000	4.71E-04	6.8E-03			
129	6.9451E-06	7.353E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.05E-10	1,000,000	4.05E-04	5.9E-03			
130	6.9451E-06	6.4052E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
131	6.9451E-06	5.6301E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
132	6.9451E-06	5.0019E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	4.0E-03			
133	6.9451E-06	1.1614E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.39E-10	1,000,000	6.39E-04	9.3E-03			
134	6.9451E-06	1.4339E-05	2.50E-04	3.59E-09	14.00	1.57E-02	7.90E-10	1,000,000	7.90E-04	1.1E-02			
135	6.9451E-06	1.8181E-05	2.50E-04	4.55E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.4E-02			
136	6.9451E-06	2.3826E-05	2.50E-04	5.96E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
137	6.9451E-06	3.2414E-05	2.50E-04	8.11E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			
138	6.9451E-06	4.5878E-05	2.50E-04	1.15E-08	14.00	1.57E-02	2.53E-09	1,000,000	2.53E-03	3.7E-02			
139	6.9451E-06	6.6402E-05	2.50E-04	1.66E-08	14.00	1.57E-02	3.66E-09	1,000,000	3.66E-03	5.3E-02			
140	6.9451E-06	9.1191E-05	2.50E-04	2.28E-08	14.00	1.57E-02	5.02E-09	1,000,000	5.02E-03	7.3E-02			
141	6.9451E-06	9.843E-05	2.50E-04	2.46E-08	14.00	1.57E-02	5.42E-09	1,000,000	5.42E-03	7.8E-02			
142	6.9451E-06	7.8645E-05	2.50E-04	1.97E-08	14.00	1.57E-02	4.33E-09	1,000,000	4.33E-03	6.3E-02			
143	6.9451E-06	5.5029E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.03E-09	1,000,000	3.03E-03	4.4E-02			
144	6.9451E-06	3.8518E-05	2.50E-04	9.64E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
145	6.9451E-06	2.8016E-05	2.50E-04	7.01E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
146	6.9451E-06	2.1195E-05	2.50E-04	5.30E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
147	6.9451E-06	1.6606E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.14E-10	1,000,000	9.14E-04	1.3E-02			
148	6.9451E-06	1.3356E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.35E-10	1,000,000	7.35E-04	1.1E-02			
149	6.9451E-06	1.1012E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.06E-10	1,000,000	6.06E-04	8.8E-03			
150	6.9451E-06	9.2252E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.08E-10	1,000,000	5.08E-04	7.3E-03			
151	6.9451E-06	7.8545E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.32E-10	1,000,000	4.32E-04	6.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	6.9451E-06	6.7923E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
153	6.9451E-06	5.9369E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.27E-10	1,000,000	3.27E-04	4.7E-03			
154	6.9451E-06	5.2438E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.89E-10	1,000,000	2.89E-04	4.2E-03			
155	6.9451E-06	1.1111E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.12E-10	1,000,000	6.12E-04	8.8E-03			
156	6.9451E-06	1.4287E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.87E-10	1,000,000	7.87E-04	1.1E-02			
157	6.9451E-06	1.9798E-05	2.50E-04	4.96E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
158	6.9451E-06	2.6841E-05	2.50E-04	6.72E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
159	6.9451E-06	3.8743E-05	2.50E-04	9.70E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
160	6.9451E-06	6.0979E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.36E-09	1,000,000	3.36E-03	4.9E-02			
161	6.9451E-06	0.00010829	2.50E-04	2.71E-08	14.00	1.57E-02	5.96E-09	1,000,000	5.96E-03	8.6E-02			
162	6.9451E-06	0.00021599	2.50E-04	5.41E-08	14.00	1.57E-02	1.19E-08	1,000,000	1.19E-02	1.7E-01			
163	6.9451E-06	0.00028414	2.50E-04	7.11E-08	14.00	1.57E-02	1.56E-08	1,000,000	1.56E-02	2.3E-01			
164	6.9451E-06	0.00015331	2.50E-04	3.84E-08	14.00	1.57E-02	8.44E-09	1,000,000	8.44E-03	1.2E-01			
165	6.9451E-06	8.2594E-05	2.50E-04	2.07E-08	14.00	1.57E-02	4.55E-09	1,000,000	4.55E-03	6.6E-02			
166	6.9451E-06	5.0582E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
167	6.9451E-06	3.4103E-05	2.50E-04	8.54E-09	14.00	1.57E-02	1.88E-09	1,000,000	1.88E-03	2.7E-02			
168	6.9451E-06	2.4637E-05	2.50E-04	6.17E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
169	6.9451E-06	1.8723E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
170	6.9451E-06	1.4732E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.11E-10	1,000,000	8.11E-04	1.2E-02			
171	6.9451E-06	1.1922E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.56E-10	1,000,000	6.56E-04	9.5E-03			
172	6.9451E-06	9.9035E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.45E-10	1,000,000	5.45E-04	7.9E-03			
173	6.9451E-06	8.3605E-06	2.50E-04	2.09E-09	14.00	1.57E-02	4.60E-10	1,000,000	4.60E-04	6.7E-03			
174	6.9451E-06	7.1729E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.95E-10	1,000,000	3.95E-04	5.7E-03			
175	6.9451E-06	6.2408E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.44E-10	1,000,000	3.44E-04	5.0E-03			
176	6.9451E-06	5.4857E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.02E-10	1,000,000	3.02E-04	4.4E-03			
177	6.9451E-06	1.0594E-05	2.50E-04	2.65E-09	14.00	1.57E-02	5.83E-10	1,000,000	5.83E-04	8.4E-03			
178	6.9451E-06	1.4008E-05	2.50E-04	3.51E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.1E-02			
179	6.9451E-06	1.9428E-05	2.50E-04	4.86E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
180	6.9451E-06	2.8601E-05	2.50E-04	7.16E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
181	6.9451E-06	4.2745E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.35E-09	1,000,000	2.35E-03	3.4E-02			
182	6.9451E-06	7.2303E-05	2.50E-04	1.81E-08	14.00	1.57E-02	3.98E-09	1,000,000	3.98E-03	5.8E-02			
183	6.9451E-06	0.00015389	2.50E-04	3.85E-08	14.00	1.57E-02	8.47E-09	1,000,000	8.47E-03	1.2E-01			
184	6.9451E-06	2.0635E-05	2.50E-04	5.16E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	6.9451E-06	1.5935E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
186	6.9451E-06	1.2799E-05	2.50E-04	3.20E-09	14.00	1.57E-02	7.05E-10	1,000,000	7.05E-04	1.0E-02			
187	6.9451E-06	1.0511E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.79E-10	1,000,000	5.79E-04	8.4E-03			
188	6.9451E-06	8.8084E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.85E-10	1,000,000	4.85E-04	7.0E-03			
189	6.9451E-06	7.5178E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
190	6.9451E-06	6.5068E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
191	6.9451E-06	5.6964E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.14E-10	1,000,000	3.14E-04	4.5E-03			
192	6.9451E-06	9.7432E-06	2.50E-04	2.44E-09	14.00	1.57E-02	5.36E-10	1,000,000	5.36E-04	7.8E-03			
193	6.9451E-06	1.2679E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.98E-10	1,000,000	6.98E-04	1.0E-02			
194	6.9451E-06	1.7354E-05	2.50E-04	4.34E-09	14.00	1.57E-02	9.56E-10	1,000,000	9.56E-04	1.4E-02			
195	6.9451E-06	2.5073E-05	2.50E-04	6.28E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
196	6.9451E-06	3.9314E-05	2.50E-04	9.84E-09	14.00	1.57E-02	2.16E-09	1,000,000	2.16E-03	3.1E-02			
197	6.9451E-06	6.6291E-05	2.50E-04	1.66E-08	14.00	1.57E-02	3.65E-09	1,000,000	3.65E-03	5.3E-02			
198	6.9451E-06	0.00014656	2.50E-04	3.67E-08	14.00	1.57E-02	8.07E-09	1,000,000	8.07E-03	1.2E-01			
199	6.9451E-06	0.00030601	2.50E-04	7.66E-08	14.00	1.57E-02	1.68E-08	1,000,000	1.68E-02	2.4E-01			
200	6.9451E-06	2.174E-05	2.50E-04	5.44E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
201	6.9451E-06	1.6745E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.22E-10	1,000,000	9.22E-04	1.3E-02			
202	6.9451E-06	1.3336E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.34E-10	1,000,000	7.34E-04	1.1E-02			
203	6.9451E-06	1.0928E-05	2.50E-04	2.74E-09	14.00	1.57E-02	6.02E-10	1,000,000	6.02E-04	8.7E-03			
204	6.9451E-06	9.1358E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
205	6.9451E-06	7.7726E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.2E-03			
206	6.9451E-06	6.7085E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
207	6.9451E-06	5.8638E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
208	6.9451E-06	8.5747E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
209	6.9451E-06	1.1077E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.10E-10	1,000,000	6.10E-04	8.8E-03			
210	6.9451E-06	1.426E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.85E-10	1,000,000	7.85E-04	1.1E-02			
211	6.9451E-06	2.0413E-05	2.50E-04	5.11E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
212	6.9451E-06	2.9945E-05	2.50E-04	7.49E-09	14.00	1.57E-02	1.65E-09	1,000,000	1.65E-03	2.4E-02			
213	6.9451E-06	4.8074E-05	2.50E-04	1.20E-08	14.00	1.57E-02	2.65E-09	1,000,000	2.65E-03	3.8E-02			
214	6.9451E-06	8.8732E-05	2.50E-04	2.22E-08	14.00	1.57E-02	4.89E-09	1,000,000	4.89E-03	7.1E-02			
215	6.9451E-06	0.000166	2.50E-04	4.15E-08	14.00	1.57E-02	9.14E-09	1,000,000	9.14E-03	1.3E-01			
216	6.9451E-06	0.00022385	2.50E-04	5.60E-08	14.00	1.57E-02	1.23E-08	1,000,000	1.23E-02	1.8E-01			
217	6.9451E-06	0.00015203	2.50E-04	3.80E-08	14.00	1.57E-02	8.37E-09	1,000,000	8.37E-03	1.2E-01			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	6.9451E-06	2.8408E-05	2.50E-04	7.11E-09	14.00	1.57E-02	1.56E-09	1,000,000	1.56E-03	2.3E-02			
219	6.9451E-06	2.1397E-05	2.50E-04	5.36E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
220	6.9451E-06	1.6707E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.20E-10	1,000,000	9.20E-04	1.3E-02			
221	6.9451E-06	1.3425E-05	2.50E-04	3.36E-09	14.00	1.57E-02	7.39E-10	1,000,000	7.39E-04	1.1E-02			
222	6.9451E-06	1.104E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.08E-10	1,000,000	6.08E-04	8.8E-03			
223	6.9451E-06	9.2536E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.10E-10	1,000,000	5.10E-04	7.4E-03			
224	6.9451E-06	7.8822E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.34E-10	1,000,000	4.34E-04	6.3E-03			
225	6.9451E-06	6.8059E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.75E-10	1,000,000	3.75E-04	5.4E-03			
226	6.9451E-06	5.9499E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			
227	6.9451E-06	7.3248E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
228	6.9451E-06	9.1454E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.04E-10	1,000,000	5.04E-04	7.3E-03			
229	6.9451E-06	1.1705E-05	2.50E-04	2.93E-09	14.00	1.57E-02	6.44E-10	1,000,000	6.44E-04	9.3E-03			
230	6.9451E-06	1.5718E-05	2.50E-04	3.93E-09	14.00	1.57E-02	8.65E-10	1,000,000	8.65E-04	1.3E-02			
231	6.9451E-06	2.2015E-05	2.50E-04	5.51E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
232	6.9451E-06	3.1047E-05	2.50E-04	7.77E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
233	6.9451E-06	4.8374E-05	2.50E-04	1.21E-08	14.00	1.57E-02	2.66E-09	1,000,000	2.66E-03	3.9E-02			
234	6.9451E-06	6.7354E-05	2.50E-04	1.69E-08	14.00	1.57E-02	3.71E-09	1,000,000	3.71E-03	5.4E-02			
235	6.9451E-06	8.0435E-05	2.50E-04	2.01E-08	14.00	1.57E-02	4.43E-09	1,000,000	4.43E-03	6.4E-02			
236	6.9451E-06	7.5474E-05	2.50E-04	1.89E-08	14.00	1.57E-02	4.16E-09	1,000,000	4.16E-03	6.0E-02			
237	6.9451E-06	5.8058E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.20E-09	1,000,000	3.20E-03	4.6E-02			
238	6.9451E-06	4.3372E-05	2.50E-04	1.09E-08	14.00	1.57E-02	2.39E-09	1,000,000	2.39E-03	3.5E-02			
239	6.9451E-06	3.261E-05	2.50E-04	8.16E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
240	6.9451E-06	2.5017E-05	2.50E-04	6.26E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
241	6.9451E-06	1.9639E-05	2.50E-04	4.92E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
242	6.9451E-06	1.5766E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.68E-10	1,000,000	8.68E-04	1.3E-02			
243	6.9451E-06	1.291E-05	2.50E-04	3.23E-09	14.00	1.57E-02	7.11E-10	1,000,000	7.11E-04	1.0E-02			
244	6.9451E-06	1.0756E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.92E-10	1,000,000	5.92E-04	8.6E-03			
245	6.9451E-06	9.1025E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.01E-10	1,000,000	5.01E-04	7.3E-03			
246	6.9451E-06	7.8065E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
247	6.9451E-06	6.7742E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
248	6.9451E-06	5.9423E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.27E-10	1,000,000	3.27E-04	4.7E-03			
249	6.9451E-06	6.2474E-06	2.50E-04	1.56E-09	14.00	1.57E-02	3.44E-10	1,000,000	3.44E-04	5.0E-03			
250	6.9451E-06	7.5578E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.16E-10	1,000,000	4.16E-04	6.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	6.9451E-06	9.2983E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.12E-10	1,000,000	5.12E-04	7.4E-03			
252	6.9451E-06	1.2019E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.62E-10	1,000,000	6.62E-04	9.6E-03			
253	6.9451E-06	1.5607E-05	2.50E-04	3.91E-09	14.00	1.57E-02	8.59E-10	1,000,000	8.59E-04	1.2E-02			
254	6.9451E-06	2.1574E-05	2.50E-04	5.40E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
255	6.9451E-06	2.8214E-05	2.50E-04	7.06E-09	14.00	1.57E-02	1.55E-09	1,000,000	1.55E-03	2.2E-02			
256	6.9451E-06	3.7043E-05	2.50E-04	9.27E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	3.0E-02			
257	6.9451E-06	4.0343E-05	2.50E-04	1.01E-08	14.00	1.57E-02	2.22E-09	1,000,000	2.22E-03	3.2E-02			
258	6.9451E-06	3.945E-05	2.50E-04	9.87E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.1E-02			
259	6.9451E-06	3.7115E-05	2.50E-04	9.29E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	3.0E-02			
260	6.9451E-06	3.1455E-05	2.50E-04	7.87E-09	14.00	1.57E-02	1.73E-09	1,000,000	1.73E-03	2.5E-02			
261	6.9451E-06	2.5601E-05	2.50E-04	6.41E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
262	6.9451E-06	2.0852E-05	2.50E-04	5.22E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
263	6.9451E-06	1.7122E-05	2.50E-04	4.29E-09	14.00	1.57E-02	9.43E-10	1,000,000	9.43E-04	1.4E-02			
264	6.9451E-06	1.4212E-05	2.50E-04	3.56E-09	14.00	1.57E-02	7.83E-10	1,000,000	7.83E-04	1.1E-02			
265	6.9451E-06	1.1931E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.57E-10	1,000,000	6.57E-04	9.5E-03			
266	6.9451E-06	1.013E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.58E-10	1,000,000	5.58E-04	8.1E-03			
267	6.9451E-06	8.6981E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			
268	6.9451E-06	7.5424E-06	2.50E-04	1.89E-09	14.00	1.57E-02	4.15E-10	1,000,000	4.15E-04	6.0E-03			
269	6.9451E-06	6.6003E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.3E-03			
270	6.9451E-06	5.8263E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.6E-03			
271	6.9451E-06	5.18E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
272	6.9451E-06	6.0987E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
273	6.9451E-06	7.3721E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.06E-10	1,000,000	4.06E-04	5.9E-03			
274	6.9451E-06	9.0085E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.96E-10	1,000,000	4.96E-04	7.2E-03			
275	6.9451E-06	1.1163E-05	2.50E-04	2.79E-09	14.00	1.57E-02	6.15E-10	1,000,000	6.15E-04	8.9E-03			
276	6.9451E-06	1.4212E-05	2.50E-04	3.56E-09	14.00	1.57E-02	7.83E-10	1,000,000	7.83E-04	1.1E-02			
277	6.9451E-06	1.7684E-05	2.50E-04	4.43E-09	14.00	1.57E-02	9.74E-10	1,000,000	9.74E-04	1.4E-02			
278	6.9451E-06	2.0756E-05	2.50E-04	5.19E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
279	6.9451E-06	2.3582E-05	2.50E-04	5.90E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
280	6.9451E-06	2.4578E-05	2.50E-04	6.15E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
281	6.9451E-06	2.4412E-05	2.50E-04	6.11E-09	14.00	1.57E-02	1.34E-09	1,000,000	1.34E-03	1.9E-02			
282	6.9451E-06	2.3133E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
283	6.9451E-06	2.0054E-05	2.50E-04	5.02E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	6.9451E-06	1.719E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.46E-10	1,000,000	9.46E-04	1.4E-02			
285	6.9451E-06	1.455E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.01E-10	1,000,000	8.01E-04	1.2E-02			
286	6.9451E-06	1.2458E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
287	6.9451E-06	1.0729E-05	2.50E-04	2.69E-09	14.00	1.57E-02	5.91E-10	1,000,000	5.91E-04	8.5E-03			
288	6.9451E-06	9.3009E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.12E-10	1,000,000	5.12E-04	7.4E-03			
289	6.9451E-06	8.1165E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
290	6.9451E-06	7.1318E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.7E-03			
291	6.9451E-06	6.3089E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
292	6.9451E-06	5.6166E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.09E-10	1,000,000	3.09E-04	4.5E-03			
293	6.9451E-06	4.3241E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
294	6.9451E-06	5.0205E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
295	6.9451E-06	5.8696E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
296	6.9451E-06	6.8556E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.5E-03			
297	6.9451E-06	8.2997E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.57E-10	1,000,000	4.57E-04	6.6E-03			
298	6.9451E-06	9.9272E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
299	6.9451E-06	1.1784E-05	2.50E-04	2.95E-09	14.00	1.57E-02	6.49E-10	1,000,000	6.49E-04	9.4E-03			
300	6.9451E-06	1.3997E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.1E-02			
301	6.9451E-06	1.4967E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.24E-10	1,000,000	8.24E-04	1.2E-02			
302	6.9451E-06	1.6444E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
303	6.9451E-06	1.6818E-05	2.50E-04	4.21E-09	14.00	1.57E-02	9.26E-10	1,000,000	9.26E-04	1.3E-02			
304	6.9451E-06	1.6791E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.25E-10	1,000,000	9.25E-04	1.3E-02			
305	6.9451E-06	1.545E-05	2.50E-04	3.87E-09	14.00	1.57E-02	8.51E-10	1,000,000	8.51E-04	1.2E-02			
306	6.9451E-06	1.3706E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.55E-10	1,000,000	7.55E-04	1.1E-02			
307	6.9451E-06	1.2326E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.79E-10	1,000,000	6.79E-04	9.8E-03			
308	6.9451E-06	1.1069E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.09E-10	1,000,000	6.09E-04	8.8E-03			
309	6.9451E-06	9.5148E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.24E-10	1,000,000	5.24E-04	7.6E-03			
310	6.9451E-06	8.3993E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
311	6.9451E-06	7.4479E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.9E-03			
312	6.9451E-06	6.6354E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.65E-10	1,000,000	3.65E-04	5.3E-03			
313	6.9451E-06	5.9362E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.27E-10	1,000,000	3.27E-04	4.7E-03			
314	6.9451E-06	5.3356E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.2E-03			
315	6.9451E-06	3.5414E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
316	6.9451E-06	4.0586E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	6.9451E-06	4.647E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
318	6.9451E-06	5.3143E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
319	6.9451E-06	6.0353E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
320	6.9451E-06	7.348E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.05E-10	1,000,000	4.05E-04	5.9E-03			
321	6.9451E-06	8.3285E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.59E-10	1,000,000	4.59E-04	6.6E-03			
322	6.9451E-06	9.4533E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.5E-03			
323	6.9451E-06	1.0692E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.5E-03			
324	6.9451E-06	1.1512E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
325	6.9451E-06	1.209E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.66E-10	1,000,000	6.66E-04	9.6E-03			
326	6.9451E-06	1.2289E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.77E-10	1,000,000	6.77E-04	9.8E-03			
327	6.9451E-06	1.3042E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.18E-10	1,000,000	7.18E-04	1.0E-02			
328	6.9451E-06	1.0669E-05	2.50E-04	2.67E-09	14.00	1.57E-02	5.87E-10	1,000,000	5.87E-04	8.5E-03			
329	6.9451E-06	9.9301E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.47E-10	1,000,000	5.47E-04	7.9E-03			
330	6.9451E-06	9.3347E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.14E-10	1,000,000	5.14E-04	7.4E-03			
331	6.9451E-06	8.5371E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.8E-03			
332	6.9451E-06	7.7236E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.25E-10	1,000,000	4.25E-04	6.2E-03			
333	6.9451E-06	7.0146E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
334	6.9451E-06	6.1066E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
335	6.9451E-06	5.5238E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.04E-10	1,000,000	3.04E-04	4.4E-03			
336	6.9451E-06	5.0124E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
337	6.9451E-06	3.0023E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
338	6.9451E-06	3.3621E-06	2.50E-04	8.41E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
339	6.9451E-06	3.7289E-06	2.50E-04	9.33E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
340	6.9451E-06	4.268E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
341	6.9451E-06	4.7649E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
342	6.9451E-06	5.6179E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.09E-10	1,000,000	3.09E-04	4.5E-03			
343	6.9451E-06	6.204E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
344	6.9451E-06	6.9777E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.84E-10	1,000,000	3.84E-04	5.6E-03			
345	6.9451E-06	7.7065E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
346	6.9451E-06	8.5224E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
347	6.9451E-06	8.8396E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.87E-10	1,000,000	4.87E-04	7.0E-03			
348	6.9451E-06	9.1152E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.02E-10	1,000,000	5.02E-04	7.3E-03			
349	6.9451E-06	8.2094E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.52E-10	1,000,000	4.52E-04	6.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	6.9451E-06	8.0135E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
351	6.9451E-06	7.8028E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
352	6.9451E-06	7.3561E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.05E-10	1,000,000	4.05E-04	5.9E-03			
353	6.9451E-06	7.2431E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.99E-10	1,000,000	3.99E-04	5.8E-03			
354	6.9451E-06	6.8413E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.4E-03			
355	6.9451E-06	6.3561E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.50E-10	1,000,000	3.50E-04	5.1E-03			
356	6.9451E-06	5.8159E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
357	6.9451E-06	5.1053E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
358	6.9451E-06	4.6733E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
359	6.9451E-06	2.5077E-06	2.50E-04	6.28E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
360	6.9451E-06	2.7965E-06	2.50E-04	7.00E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
361	6.9451E-06	3.0943E-06	2.50E-04	7.74E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
362	6.9451E-06	3.4316E-06	2.50E-04	8.59E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
363	6.9451E-06	3.77E-06	2.50E-04	9.44E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
364	6.9451E-06	4.2794E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
365	6.9451E-06	4.8019E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.64E-10	1,000,000	2.64E-04	3.8E-03			
366	6.9451E-06	5.3627E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
367	6.9451E-06	6.0101E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
368	6.9451E-06	6.4017E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
369	6.9451E-06	6.5239E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			
370	6.9451E-06	6.4024E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
371	6.9451E-06	6.4242E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
372	6.9451E-06	6.3092E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
373	6.9451E-06	6.0287E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
374	6.9451E-06	5.777E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
375	6.9451E-06	5.8412E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
376	6.9451E-06	5.665E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.12E-10	1,000,000	3.12E-04	4.5E-03			
377	6.9451E-06	5.5175E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.04E-10	1,000,000	3.04E-04	4.4E-03			
378	6.9451E-06	5.2617E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
379	6.9451E-06	4.9112E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
380	6.9451E-06	4.5824E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
381	6.9451E-06	1.0547E-05	2.50E-04	2.64E-09	14.00	1.57E-02	5.81E-10	1,000,000	5.81E-04	8.4E-03			
382	6.9451E-06	1.2166E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.70E-10	1,000,000	6.70E-04	9.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	6.9451E-06	1.3993E-05	2.50E-04	3.50E-09	14.00	1.57E-02	7.70E-10	1,000,000	7.70E-04	1.1E-02			
384	6.9451E-06	1.5933E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
385	6.9451E-06	1.7793E-05	2.50E-04	4.45E-09	14.00	1.57E-02	9.80E-10	1,000,000	9.80E-04	1.4E-02			
386	6.9451E-06	1.923E-05	2.50E-04	4.81E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
387	6.9451E-06	1.9885E-05	2.50E-04	4.98E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
388	6.9451E-06	1.9601E-05	2.50E-04	4.91E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
389	6.9451E-06	1.8436E-05	2.50E-04	4.61E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
390	6.9451E-06	1.6709E-05	2.50E-04	4.18E-09	14.00	1.57E-02	9.20E-10	1,000,000	9.20E-04	1.3E-02			
391	6.9451E-06	1.4769E-05	2.50E-04	3.70E-09	14.00	1.57E-02	8.13E-10	1,000,000	8.13E-04	1.2E-02			
392	6.9451E-06	1.2881E-05	2.50E-04	3.22E-09	14.00	1.57E-02	7.09E-10	1,000,000	7.09E-04	1.0E-02			
393	6.9451E-06	1.1174E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.15E-10	1,000,000	6.15E-04	8.9E-03			
394	6.9451E-06	9.7086E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.35E-10	1,000,000	5.35E-04	7.7E-03			
395	6.9451E-06	8.4447E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
396	6.9451E-06	7.3897E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.07E-10	1,000,000	4.07E-04	5.9E-03			
397	6.9451E-06	6.5083E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.58E-10	1,000,000	3.58E-04	5.2E-03			
398	6.9451E-06	5.7655E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
399	6.9451E-06	1.2061E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.64E-10	1,000,000	6.64E-04	9.6E-03			
400	6.9451E-06	1.4307E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.88E-10	1,000,000	7.88E-04	1.1E-02			
401	6.9451E-06	1.7023E-05	2.50E-04	4.26E-09	14.00	1.57E-02	9.37E-10	1,000,000	9.37E-04	1.4E-02			
402	6.9451E-06	2.0135E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
403	6.9451E-06	2.3355E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
404	6.9451E-06	2.6035E-05	2.50E-04	6.52E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
405	6.9451E-06	2.7376E-05	2.50E-04	6.85E-09	14.00	1.57E-02	1.51E-09	1,000,000	1.51E-03	2.2E-02			
406	6.9451E-06	2.6827E-05	2.50E-04	6.71E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
407	6.9451E-06	2.4594E-05	2.50E-04	6.16E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
408	6.9451E-06	2.1522E-05	2.50E-04	5.39E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
409	6.9451E-06	1.8309E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
410	6.9451E-06	1.5399E-05	2.50E-04	3.85E-09	14.00	1.57E-02	8.48E-10	1,000,000	8.48E-04	1.2E-02			
411	6.9451E-06	1.2984E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.0E-02			
412	6.9451E-06	1.1022E-05	2.50E-04	2.76E-09	14.00	1.57E-02	6.07E-10	1,000,000	6.07E-04	8.8E-03			
413	6.9451E-06	9.4118E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
414	6.9451E-06	8.1141E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
415	6.9451E-06	7.0549E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	6.9451E-06	6.1732E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.40E-10	1,000,000	3.40E-04	4.9E-03			
417	6.9451E-06	1.3703E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.54E-10	1,000,000	7.54E-04	1.1E-02			
418	6.9451E-06	1.6781E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.24E-10	1,000,000	9.24E-04	1.3E-02			
419	6.9451E-06	2.0807E-05	2.50E-04	5.21E-09	14.00	1.57E-02	1.15E-09	1,000,000	1.15E-03	1.7E-02			
420	6.9451E-06	2.592E-05	2.50E-04	6.49E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
421	6.9451E-06	3.192E-05	2.50E-04	7.99E-09	14.00	1.57E-02	1.76E-09	1,000,000	1.76E-03	2.5E-02			
422	6.9451E-06	3.7726E-05	2.50E-04	9.44E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
423	6.9451E-06	4.0974E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.26E-09	1,000,000	2.26E-03	3.3E-02			
424	6.9451E-06	3.9683E-05	2.50E-04	9.93E-09	14.00	1.57E-02	2.18E-09	1,000,000	2.18E-03	3.2E-02			
425	6.9451E-06	3.4636E-05	2.50E-04	8.67E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
426	6.9451E-06	2.8542E-05	2.50E-04	7.14E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
427	6.9451E-06	2.2948E-05	2.50E-04	5.74E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
428	6.9451E-06	1.8501E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
429	6.9451E-06	1.5077E-05	2.50E-04	3.77E-09	14.00	1.57E-02	8.30E-10	1,000,000	8.30E-04	1.2E-02			
430	6.9451E-06	1.2451E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
431	6.9451E-06	1.0434E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.75E-10	1,000,000	5.75E-04	8.3E-03			
432	6.9451E-06	8.8636E-06	2.50E-04	2.22E-09	14.00	1.57E-02	4.88E-10	1,000,000	4.88E-04	7.1E-03			
433	6.9451E-06	7.6392E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.1E-03			
434	6.9451E-06	6.6285E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.65E-10	1,000,000	3.65E-04	5.3E-03			
435	6.9451E-06	1.5336E-05	2.50E-04	3.84E-09	14.00	1.57E-02	8.44E-10	1,000,000	8.44E-04	1.2E-02			
436	6.9451E-06	1.9433E-05	2.50E-04	4.86E-09	14.00	1.57E-02	1.07E-09	1,000,000	1.07E-03	1.5E-02			
437	6.9451E-06	2.529E-05	2.50E-04	6.33E-09	14.00	1.57E-02	1.39E-09	1,000,000	1.39E-03	2.0E-02			
438	6.9451E-06	3.3726E-05	2.50E-04	8.44E-09	14.00	1.57E-02	1.86E-09	1,000,000	1.86E-03	2.7E-02			
439	6.9451E-06	4.56E-05	2.50E-04	1.14E-08	14.00	1.57E-02	2.51E-09	1,000,000	2.51E-03	3.6E-02			
440	6.9451E-06	5.9872E-05	2.50E-04	1.50E-08	14.00	1.57E-02	3.30E-09	1,000,000	3.30E-03	4.8E-02			
441	6.9451E-06	6.9673E-05	2.50E-04	1.74E-08	14.00	1.57E-02	3.84E-09	1,000,000	3.84E-03	5.5E-02			
442	6.9451E-06	6.5803E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.62E-09	1,000,000	3.62E-03	5.2E-02			
443	6.9451E-06	5.2328E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.88E-09	1,000,000	2.88E-03	4.2E-02			
444	6.9451E-06	3.8973E-05	2.50E-04	9.75E-09	14.00	1.57E-02	2.15E-09	1,000,000	2.15E-03	3.1E-02			
445	6.9451E-06	2.9061E-05	2.50E-04	7.27E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
446	6.9451E-06	2.2209E-05	2.50E-04	5.56E-09	14.00	1.57E-02	1.22E-09	1,000,000	1.22E-03	1.8E-02			
447	6.9451E-06	1.7439E-05	2.50E-04	4.36E-09	14.00	1.57E-02	9.60E-10	1,000,000	9.60E-04	1.4E-02			
448	6.9451E-06	1.4009E-05	2.50E-04	3.51E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	6.9451E-06	1.1527E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.35E-10	1,000,000	6.35E-04	9.2E-03			
450	6.9451E-06	9.6653E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.7E-03			
451	6.9451E-06	8.1946E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.51E-10	1,000,000	4.51E-04	6.5E-03			
452	6.9451E-06	7.0686E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.89E-10	1,000,000	3.89E-04	5.6E-03			
453	6.9451E-06	1.6752E-05	2.50E-04	4.19E-09	14.00	1.57E-02	9.22E-10	1,000,000	9.22E-04	1.3E-02			
454	6.9451E-06	2.1898E-05	2.50E-04	5.48E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
455	6.9451E-06	2.9944E-05	2.50E-04	7.49E-09	14.00	1.57E-02	1.65E-09	1,000,000	1.65E-03	2.4E-02			
456	6.9451E-06	4.3307E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.38E-09	1,000,000	2.38E-03	3.4E-02			
457	6.9451E-06	6.684E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.68E-09	1,000,000	3.68E-03	5.3E-02			
458	6.9451E-06	0.00010814	2.50E-04	2.71E-08	14.00	1.57E-02	5.95E-09	1,000,000	5.95E-03	8.6E-02			
459	6.9451E-06	0.00015384	2.50E-04	3.85E-08	14.00	1.57E-02	8.47E-09	1,000,000	8.47E-03	1.2E-01			
460	6.9451E-06	0.00013354	2.50E-04	3.34E-08	14.00	1.57E-02	7.35E-09	1,000,000	7.35E-03	1.1E-01			
461	6.9451E-06	8.4883E-05	2.50E-04	2.12E-08	14.00	1.57E-02	4.67E-09	1,000,000	4.67E-03	6.8E-02			
462	6.9451E-06	5.4113E-05	2.50E-04	1.35E-08	14.00	1.57E-02	2.98E-09	1,000,000	2.98E-03	4.3E-02			
463	6.9451E-06	3.677E-05	2.50E-04	9.20E-09	14.00	1.57E-02	2.02E-09	1,000,000	2.02E-03	2.9E-02			
464	6.9451E-06	2.6488E-05	2.50E-04	6.63E-09	14.00	1.57E-02	1.46E-09	1,000,000	1.46E-03	2.1E-02			
465	6.9451E-06	2.0009E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
466	6.9451E-06	1.5687E-05	2.50E-04	3.93E-09	14.00	1.57E-02	8.64E-10	1,000,000	8.64E-04	1.2E-02			
467	6.9451E-06	1.2664E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
468	6.9451E-06	1.0455E-05	2.50E-04	2.62E-09	14.00	1.57E-02	5.76E-10	1,000,000	5.76E-04	8.3E-03			
469	6.9451E-06	8.7926E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.84E-10	1,000,000	4.84E-04	7.0E-03			
470	6.9451E-06	7.5131E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
471	6.9451E-06	1.6397E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.03E-10	1,000,000	9.03E-04	1.3E-02			
472	6.9451E-06	2.3664E-05	2.50E-04	5.92E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
473	6.9451E-06	3.356E-05	2.50E-04	8.40E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
474	6.9451E-06	5.1923E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.86E-09	1,000,000	2.86E-03	4.1E-02			
475	6.9451E-06	9.2298E-05	2.50E-04	2.31E-08	14.00	1.57E-02	5.08E-09	1,000,000	5.08E-03	7.4E-02			
476	6.9451E-06	1.7339E-05	2.50E-04	4.34E-09	14.00	1.57E-02	9.55E-10	1,000,000	9.55E-04	1.4E-02			
477	6.9451E-06	1.3726E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.56E-10	1,000,000	7.56E-04	1.1E-02			
478	6.9451E-06	1.1235E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	8.9E-03			
479	6.9451E-06	9.3657E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
480	6.9451E-06	7.9341E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.37E-10	1,000,000	4.37E-04	6.3E-03			
481	6.9451E-06	1.5243E-05	2.50E-04	3.81E-09	14.00	1.57E-02	8.39E-10	1,000,000	8.39E-04	1.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	6.9451E-06	2.1907E-05	2.50E-04	5.48E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.7E-02			
483	6.9451E-06	3.1972E-05	2.50E-04	8.00E-09	14.00	1.57E-02	1.76E-09	1,000,000	1.76E-03	2.5E-02			
484	6.9451E-06	5.1456E-05	2.50E-04	1.29E-08	14.00	1.57E-02	2.83E-09	1,000,000	2.83E-03	4.1E-02			
485	6.9451E-06	0.0001035	2.50E-04	2.59E-08	14.00	1.57E-02	5.70E-09	1,000,000	5.70E-03	8.2E-02			
486	6.9451E-06	1.8596E-05	2.50E-04	4.65E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
487	6.9451E-06	1.4633E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.06E-10	1,000,000	8.06E-04	1.2E-02			
488	6.9451E-06	1.1836E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.52E-10	1,000,000	6.52E-04	9.4E-03			
489	6.9451E-06	9.8184E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.41E-10	1,000,000	5.41E-04	7.8E-03			
490	6.9451E-06	8.2864E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.56E-10	1,000,000	4.56E-04	6.6E-03			
491	6.9451E-06	1.358E-05	2.50E-04	3.40E-09	14.00	1.57E-02	7.48E-10	1,000,000	7.48E-04	1.1E-02			
492	6.9451E-06	1.8903E-05	2.50E-04	4.73E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
493	6.9451E-06	2.6876E-05	2.50E-04	6.73E-09	14.00	1.57E-02	1.48E-09	1,000,000	1.48E-03	2.1E-02			
494	6.9451E-06	4.2457E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.34E-09	1,000,000	2.34E-03	3.4E-02			
495	6.9451E-06	7.9074E-05	2.50E-04	1.98E-08	14.00	1.57E-02	4.35E-09	1,000,000	4.35E-03	6.3E-02			
496	6.9451E-06	0.00034222	2.50E-04	8.56E-08	14.00	1.57E-02	1.88E-08	1,000,000	1.88E-02	2.7E-01			
497	6.9451E-06	0.00015437	2.50E-04	3.86E-08	14.00	1.57E-02	8.50E-09	1,000,000	8.50E-03	1.2E-01			
498	6.9451E-06	2.5031E-05	2.50E-04	6.26E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
499	6.9451E-06	1.9069E-05	2.50E-04	4.77E-09	14.00	1.57E-02	1.05E-09	1,000,000	1.05E-03	1.5E-02			
500	6.9451E-06	1.5003E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.26E-10	1,000,000	8.26E-04	1.2E-02			
501	6.9451E-06	1.2154E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.69E-10	1,000,000	6.69E-04	9.7E-03			
502	6.9451E-06	1.0065E-05	2.50E-04	2.52E-09	14.00	1.57E-02	5.54E-10	1,000,000	5.54E-04	8.0E-03			
503	6.9451E-06	8.4915E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.68E-10	1,000,000	4.68E-04	6.8E-03			
504	6.9451E-06	1.1435E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.30E-10	1,000,000	6.30E-04	9.1E-03			
505	6.9451E-06	1.4927E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.22E-10	1,000,000	8.22E-04	1.2E-02			
506	6.9451E-06	2.1808E-05	2.50E-04	5.46E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
507	6.9451E-06	3.1223E-05	2.50E-04	7.81E-09	14.00	1.57E-02	1.72E-09	1,000,000	1.72E-03	2.5E-02			
508	6.9451E-06	5.09E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.80E-09	1,000,000	2.80E-03	4.1E-02			
509	6.9451E-06	8.1226E-05	2.50E-04	2.03E-08	14.00	1.57E-02	4.47E-09	1,000,000	4.47E-03	6.5E-02			
510	6.9451E-06	0.00011936	2.50E-04	2.99E-08	14.00	1.57E-02	6.57E-09	1,000,000	6.57E-03	9.5E-02			
511	6.9451E-06	0.00011911	2.50E-04	2.98E-08	14.00	1.57E-02	6.56E-09	1,000,000	6.56E-03	9.5E-02			
512	6.9451E-06	8.7911E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.84E-09	1,000,000	4.84E-03	7.0E-02			
513	6.9451E-06	6.0722E-05	2.50E-04	1.52E-08	14.00	1.57E-02	3.34E-09	1,000,000	3.34E-03	4.8E-02			
514	6.9451E-06	4.2694E-05	2.50E-04	1.07E-08	14.00	1.57E-02	2.35E-09	1,000,000	2.35E-03	3.4E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	6.9451E-06	3.111E-05	2.50E-04	7.79E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
516	6.9451E-06	2.3496E-05	2.50E-04	5.88E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
517	6.9451E-06	1.8313E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
518	6.9451E-06	1.4664E-05	2.50E-04	3.67E-09	14.00	1.57E-02	8.07E-10	1,000,000	8.07E-04	1.2E-02			
519	6.9451E-06	1.2008E-05	2.50E-04	3.01E-09	14.00	1.57E-02	6.61E-10	1,000,000	6.61E-04	9.6E-03			
520	6.9451E-06	1.002E-05	2.50E-04	2.51E-09	14.00	1.57E-02	5.52E-10	1,000,000	5.52E-04	8.0E-03			
521	6.9451E-06	8.4981E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.68E-10	1,000,000	4.68E-04	6.8E-03			
522	6.9451E-06	9.2617E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.10E-10	1,000,000	5.10E-04	7.4E-03			
523	6.9451E-06	1.2137E-05	2.50E-04	3.04E-09	14.00	1.57E-02	6.68E-10	1,000,000	6.68E-04	9.7E-03			
524	6.9451E-06	1.6251E-05	2.50E-04	4.07E-09	14.00	1.57E-02	8.95E-10	1,000,000	8.95E-04	1.3E-02			
525	6.9451E-06	2.2041E-05	2.50E-04	5.52E-09	14.00	1.57E-02	1.21E-09	1,000,000	1.21E-03	1.8E-02			
526	6.9451E-06	2.9129E-05	2.50E-04	7.29E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
527	6.9451E-06	4.2971E-05	2.50E-04	1.08E-08	14.00	1.57E-02	2.37E-09	1,000,000	2.37E-03	3.4E-02			
528	6.9451E-06	5.2349E-05	2.50E-04	1.31E-08	14.00	1.57E-02	2.88E-09	1,000,000	2.88E-03	4.2E-02			
529	6.9451E-06	5.516E-05	2.50E-04	1.38E-08	14.00	1.57E-02	3.04E-09	1,000,000	3.04E-03	4.4E-02			
530	6.9451E-06	5.0955E-05	2.50E-04	1.28E-08	14.00	1.57E-02	2.81E-09	1,000,000	2.81E-03	4.1E-02			
531	6.9451E-06	4.1576E-05	2.50E-04	1.04E-08	14.00	1.57E-02	2.29E-09	1,000,000	2.29E-03	3.3E-02			
532	6.9451E-06	3.2668E-05	2.50E-04	8.18E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
533	6.9451E-06	2.5734E-05	2.50E-04	6.44E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.0E-02			
534	6.9451E-06	2.0517E-05	2.50E-04	5.13E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
535	6.9451E-06	1.6612E-05	2.50E-04	4.16E-09	14.00	1.57E-02	9.15E-10	1,000,000	9.15E-04	1.3E-02			
536	6.9451E-06	1.3664E-05	2.50E-04	3.42E-09	14.00	1.57E-02	7.52E-10	1,000,000	7.52E-04	1.1E-02			
537	6.9451E-06	1.1407E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.28E-10	1,000,000	6.28E-04	9.1E-03			
538	6.9451E-06	9.6579E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.32E-10	1,000,000	5.32E-04	7.7E-03			
539	6.9451E-06	8.276E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.56E-10	1,000,000	4.56E-04	6.6E-03			
540	6.9451E-06	7.4795E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
541	6.9451E-06	9.3981E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.17E-10	1,000,000	5.17E-04	7.5E-03			
542	6.9451E-06	1.1904E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.55E-10	1,000,000	6.55E-04	9.5E-03			
543	6.9451E-06	1.5203E-05	2.50E-04	3.80E-09	14.00	1.57E-02	8.37E-10	1,000,000	8.37E-04	1.2E-02			
544	6.9451E-06	2.0061E-05	2.50E-04	5.02E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
545	6.9451E-06	2.4526E-05	2.50E-04	6.14E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
546	6.9451E-06	2.9265E-05	2.50E-04	7.32E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
547	6.9451E-06	3.0939E-05	2.50E-04	7.74E-09	14.00	1.57E-02	1.70E-09	1,000,000	1.70E-03	2.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	6.9451E-06	3.1002E-05	2.50E-04	7.76E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
549	6.9451E-06	2.8619E-05	2.50E-04	7.16E-09	14.00	1.57E-02	1.58E-09	1,000,000	1.58E-03	2.3E-02			
550	6.9451E-06	2.4752E-05	2.50E-04	6.19E-09	14.00	1.57E-02	1.36E-09	1,000,000	1.36E-03	2.0E-02			
551	6.9451E-06	2.0675E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
552	6.9451E-06	1.7266E-05	2.50E-04	4.32E-09	14.00	1.57E-02	9.51E-10	1,000,000	9.51E-04	1.4E-02			
553	6.9451E-06	1.4508E-05	2.50E-04	3.63E-09	14.00	1.57E-02	7.99E-10	1,000,000	7.99E-04	1.2E-02			
554	6.9451E-06	1.2287E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.77E-10	1,000,000	6.77E-04	9.8E-03			
555	6.9451E-06	1.0494E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			
556	6.9451E-06	9.0441E-06	2.50E-04	2.26E-09	14.00	1.57E-02	4.98E-10	1,000,000	4.98E-04	7.2E-03			
557	6.9451E-06	7.8615E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.33E-10	1,000,000	4.33E-04	6.3E-03			
558	6.9451E-06	6.0591E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.34E-10	1,000,000	3.34E-04	4.8E-03			
559	6.9451E-06	7.3725E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.06E-10	1,000,000	4.06E-04	5.9E-03			
560	6.9451E-06	8.7193E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
561	6.9451E-06	1.0712E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.90E-10	1,000,000	5.90E-04	8.5E-03			
562	6.9451E-06	1.2681E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.98E-10	1,000,000	6.98E-04	1.0E-02			
563	6.9451E-06	1.5052E-05	2.50E-04	3.77E-09	14.00	1.57E-02	8.29E-10	1,000,000	8.29E-04	1.2E-02			
564	6.9451E-06	1.7982E-05	2.50E-04	4.50E-09	14.00	1.57E-02	9.90E-10	1,000,000	9.90E-04	1.4E-02			
565	6.9451E-06	1.9293E-05	2.50E-04	4.83E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
566	6.9451E-06	2.034E-05	2.50E-04	5.09E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
567	6.9451E-06	1.9874E-05	2.50E-04	4.97E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
568	6.9451E-06	1.8941E-05	2.50E-04	4.74E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
569	6.9451E-06	1.6384E-05	2.50E-04	4.10E-09	14.00	1.57E-02	9.02E-10	1,000,000	9.02E-04	1.3E-02			
570	6.9451E-06	1.4452E-05	2.50E-04	3.62E-09	14.00	1.57E-02	7.96E-10	1,000,000	7.96E-04	1.2E-02			
571	6.9451E-06	1.2454E-05	2.50E-04	3.12E-09	14.00	1.57E-02	6.86E-10	1,000,000	6.86E-04	9.9E-03			
572	6.9451E-06	1.0833E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.96E-10	1,000,000	5.96E-04	8.6E-03			
573	6.9451E-06	9.4557E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.5E-03			
574	6.9451E-06	8.2969E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.57E-10	1,000,000	4.57E-04	6.6E-03			
575	6.9451E-06	7.3212E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.30E-06		6.844E-05	496 Res
2	5	1.44E-06			
3	5	1.58E-06			
4	5	1.73E-06			
5	5	1.87E-06			
6	5	2.00E-06			
7	5	2.10E-06			
8	5	2.16E-06			
9	5	2.17E-06			
10	5	2.13E-06			
11	5	2.04E-06			
12	5	1.92E-06			
13	5	1.78E-06			
14	5	1.63E-06			
15	5	1.49E-06			
16	5	1.35E-06			
17	5	1.22E-06			
18	5	1.11E-06			
19	5	1.00E-06			
20	5	9.13E-07			
21	5	8.33E-07			
22	5	7.61E-07			
23	5	1.45E-06			
24	5	1.63E-06			
25	5	1.82E-06			
26	5	2.02E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.23E-06			
28	5	2.43E-06			
29	5	2.58E-06			
30	5	2.68E-06			
31	5	2.70E-06			
32	5	2.63E-06			
33	5	2.49E-06			
34	5	2.31E-06			
35	5	2.11E-06			
36	5	1.90E-06			
37	5	1.70E-06			
38	5	1.51E-06			
39	5	1.36E-06			
40	5	1.21E-06			
41	5	1.09E-06			
42	5	9.81E-07			
43	5	8.86E-07			
44	5	8.07E-07			
45	5	1.62E-06			
46	5	1.84E-06			
47	5	2.10E-06			
48	5	2.39E-06			
49	5	2.70E-06			
50	5	3.01E-06			
51	5	3.26E-06			
52	5	3.43E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	3.46E-06			
54	5	3.34E-06			
55	5	3.12E-06			
56	5	2.82E-06			
57	5	2.51E-06			
58	5	2.22E-06			
59	5	1.94E-06			
60	5	1.70E-06			
61	5	1.50E-06			
62	5	1.33E-06			
63	5	1.18E-06			
64	5	1.05E-06			
65	5	9.46E-07			
66	5	8.55E-07			
67	5	1.80E-06			
68	5	2.09E-06			
69	5	2.44E-06			
70	5	2.85E-06			
71	5	3.32E-06			
72	5	3.82E-06			
73	5	4.27E-06			
74	5	4.57E-06			
75	5	4.63E-06			
76	5	4.42E-06			
77	5	4.02E-06			
78	5	3.54E-06			
79	5	3.05E-06			
80	5	2.61E-06			
81	5	2.23E-06			
82	5	1.92E-06			
83	5	1.66E-06			
84	5	1.45E-06			
85	5	1.27E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	1.13E-06			
87	5	1.00E-06			
88	5	9.03E-07			
89	5	1.99E-06			
90	5	2.35E-06			
91	5	2.82E-06			
92	5	3.41E-06			
93	5	4.15E-06			
94	5	4.99E-06			
95	5	5.85E-06			
96	5	6.48E-06			
97	5	6.62E-06			
98	5	6.18E-06			
99	5	5.37E-06			
100	5	4.50E-06			
101	5	3.72E-06			
102	5	3.07E-06			
103	5	2.56E-06			
104	5	2.15E-06			
105	5	1.83E-06			
106	5	1.58E-06			
107	5	1.37E-06			
108	5	1.20E-06			
109	5	1.06E-06			
110	5	9.52E-07			
111	5	2.17E-06			
112	5	2.62E-06			
113	5	3.24E-06			
114	5	4.07E-06			
115	5	5.21E-06			
116	5	6.71E-06			
117	5	8.51E-06			
118	5	1.01E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	1.05E-05			
120	5	9.32E-06			
121	5	7.53E-06			
122	5	5.85E-06			
123	5	4.56E-06			
124	5	3.62E-06			
125	5	2.92E-06			
126	5	2.40E-06			
127	5	2.01E-06			
128	5	1.71E-06			
129	5	1.47E-06			
130	5	1.28E-06			
131	5	1.13E-06			
132	5	1.00E-06			
133	5	2.32E-06			
134	5	2.87E-06			
135	5	3.64E-06			
136	5	4.77E-06			
137	5	6.48E-06			
138	5	9.18E-06			
139	5	1.33E-05			
140	5	1.82E-05			
141	5	1.97E-05			
142	5	1.57E-05			
143	5	1.10E-05			
144	5	7.70E-06			
145	5	5.60E-06			
146	5	4.24E-06			
147	5	3.32E-06			
148	5	2.67E-06			
149	5	2.20E-06			
150	5	1.85E-06			
151	5	1.57E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	1.36E-06			
153	5	1.19E-06			
154	5	1.05E-06			
155	5	2.22E-06			
156	5	2.86E-06			
157	5	3.96E-06			
158	5	5.37E-06			
159	5	7.75E-06			
160	5	1.22E-05			
161	5	2.17E-05			
162	5	4.32E-05			
163	5	5.68E-05			
164	5	3.07E-05			
165	5	1.65E-05			
166	5	1.01E-05			
167	5	6.82E-06			
168	5	4.93E-06			
169	5	3.74E-06			
170	5	2.95E-06			
171	5	2.38E-06			
172	5	1.98E-06			
173	5	1.67E-06			
174	5	1.43E-06			
175	5	1.25E-06			
176	5	1.10E-06			
177	5	2.12E-06			
178	5	2.80E-06			
179	5	3.89E-06			
180	5	5.72E-06			
181	5	8.55E-06			
182	5	1.45E-05			
183	5	3.08E-05			
184	5	4.13E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	3.19E-06			
186	5	2.56E-06			
187	5	2.10E-06			
188	5	1.76E-06			
189	5	1.50E-06			
190	5	1.30E-06			
191	5	1.14E-06			
192	5	1.95E-06			
193	5	2.54E-06			
194	5	3.47E-06			
195	5	5.01E-06			
196	5	7.86E-06			
197	5	1.33E-05			
198	5	2.93E-05			
199	5	6.12E-05			
200	5	4.35E-06			
201	5	3.35E-06			
202	5	2.67E-06			
203	5	2.19E-06			
204	5	1.83E-06			
205	5	1.55E-06			
206	5	1.34E-06			
207	5	1.17E-06			
208	5	1.71E-06			
209	5	2.22E-06			
210	5	2.85E-06			
211	5	4.08E-06			
212	5	5.99E-06			
213	5	9.61E-06			
214	5	1.77E-05			
215	5	3.32E-05			
216	5	4.48E-05			
217	5	3.04E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	5.68E-06			
219	5	4.28E-06			
220	5	3.34E-06			
221	5	2.69E-06			
222	5	2.21E-06			
223	5	1.85E-06			
224	5	1.58E-06			
225	5	1.36E-06			
226	5	1.19E-06			
227	5	1.46E-06			
228	5	1.83E-06			
229	5	2.34E-06			
230	5	3.14E-06			
231	5	4.40E-06			
232	5	6.21E-06			
233	5	9.67E-06			
234	5	1.35E-05			
235	5	1.61E-05			
236	5	1.51E-05			
237	5	1.16E-05			
238	5	8.67E-06			
239	5	6.52E-06			
240	5	5.00E-06			
241	5	3.93E-06			
242	5	3.15E-06			
243	5	2.58E-06			
244	5	2.15E-06			
245	5	1.82E-06			
246	5	1.56E-06			
247	5	1.35E-06			
248	5	1.19E-06			
249	5	1.25E-06			
250	5	1.51E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.86E-06			
252	5	2.40E-06			
253	5	3.12E-06			
254	5	4.31E-06			
255	5	5.64E-06			
256	5	7.41E-06			
257	5	8.07E-06			
258	5	7.89E-06			
259	5	7.42E-06			
260	5	6.29E-06			
261	5	5.12E-06			
262	5	4.17E-06			
263	5	3.42E-06			
264	5	2.84E-06			
265	5	2.39E-06			
266	5	2.03E-06			
267	5	1.74E-06			
268	5	1.51E-06			
269	5	1.32E-06			
270	5	1.17E-06			
271	5	1.04E-06			
272	5	1.22E-06			
273	5	1.47E-06			
274	5	1.80E-06			
275	5	2.23E-06			
276	5	2.84E-06			
277	5	3.54E-06			
278	5	4.15E-06			
279	5	4.72E-06			
280	5	4.92E-06			
281	5	4.88E-06			
282	5	4.63E-06			
283	5	4.01E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	3.44E-06			
285	5	2.91E-06			
286	5	2.49E-06			
287	5	2.15E-06			
288	5	1.86E-06			
289	5	1.62E-06			
290	5	1.43E-06			
291	5	1.26E-06			
292	5	1.12E-06			
293	5	8.65E-07			
294	5	1.00E-06			
295	5	1.17E-06			
296	5	1.37E-06			
297	5	1.66E-06			
298	5	1.99E-06			
299	5	2.36E-06			
300	5	2.80E-06			
301	5	2.99E-06			
302	5	3.29E-06			
303	5	3.36E-06			
304	5	3.36E-06			
305	5	3.09E-06			
306	5	2.74E-06			
307	5	2.47E-06			
308	5	2.21E-06			
309	5	1.90E-06			
310	5	1.68E-06			
311	5	1.49E-06			
312	5	1.33E-06			
313	5	1.19E-06			
314	5	1.07E-06			
315	5	7.08E-07			
316	5	8.12E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	9.29E-07			
318	5	1.06E-06			
319	5	1.21E-06			
320	5	1.47E-06			
321	5	1.67E-06			
322	5	1.89E-06			
323	5	2.14E-06			
324	5	2.30E-06			
325	5	2.42E-06			
326	5	2.46E-06			
327	5	2.61E-06			
328	5	2.13E-06			
329	5	1.99E-06			
330	5	1.87E-06			
331	5	1.71E-06			
332	5	1.54E-06			
333	5	1.40E-06			
334	5	1.22E-06			
335	5	1.10E-06			
336	5	1.00E-06			
337	5	6.00E-07			
338	5	6.72E-07			
339	5	7.46E-07			
340	5	8.54E-07			
341	5	9.53E-07			
342	5	1.12E-06			
343	5	1.24E-06			
344	5	1.40E-06			
345	5	1.54E-06			
346	5	1.70E-06			
347	5	1.77E-06			
348	5	1.82E-06			
349	5	1.64E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	1.60E-06			
351	5	1.56E-06			
352	5	1.47E-06			
353	5	1.45E-06			
354	5	1.37E-06			
355	5	1.27E-06			
356	5	1.16E-06			
357	5	1.02E-06			
358	5	9.35E-07			
359	5	5.02E-07			
360	5	5.59E-07			
361	5	6.19E-07			
362	5	6.86E-07			
363	5	7.54E-07			
364	5	8.56E-07			
365	5	9.60E-07			
366	5	1.07E-06			
367	5	1.20E-06			
368	5	1.28E-06			
369	5	1.30E-06			
370	5	1.28E-06			
371	5	1.28E-06			
372	5	1.26E-06			
373	5	1.21E-06			
374	5	1.16E-06			
375	5	1.17E-06			
376	5	1.13E-06			
377	5	1.10E-06			
378	5	1.05E-06			
379	5	9.82E-07			
380	5	9.16E-07			
381	5	2.11E-06			
382	5	2.43E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	2.80E-06			
384	5	3.19E-06			
385	5	3.56E-06			
386	5	3.85E-06			
387	5	3.98E-06			
388	5	3.92E-06			
389	5	3.69E-06			
390	5	3.34E-06			
391	5	2.95E-06			
392	5	2.58E-06			
393	5	2.23E-06			
394	5	1.94E-06			
395	5	1.69E-06			
396	5	1.48E-06			
397	5	1.30E-06			
398	5	1.15E-06			
399	5	2.41E-06			
400	5	2.86E-06			
401	5	3.40E-06			
402	5	4.03E-06			
403	5	4.67E-06			
404	5	5.21E-06			
405	5	5.48E-06			
406	5	5.37E-06			
407	5	4.92E-06			
408	5	4.30E-06			
409	5	3.66E-06			
410	5	3.08E-06			
411	5	2.60E-06			
412	5	2.20E-06			
413	5	1.88E-06			
414	5	1.62E-06			
415	5	1.41E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	1.23E-06			
417	5	2.74E-06			
418	5	3.36E-06			
419	5	4.16E-06			
420	5	5.18E-06			
421	5	6.38E-06			
422	5	7.55E-06			
423	5	8.19E-06			
424	5	7.94E-06			
425	5	6.93E-06			
426	5	5.71E-06			
427	5	4.59E-06			
428	5	3.70E-06			
429	5	3.02E-06			
430	5	2.49E-06			
431	5	2.09E-06			
432	5	1.77E-06			
433	5	1.53E-06			
434	5	1.33E-06			
435	5	3.07E-06			
436	5	3.89E-06			
437	5	5.06E-06			
438	5	6.75E-06			
439	5	9.12E-06			
440	5	1.20E-05			
441	5	1.39E-05			
442	5	1.32E-05			
443	5	1.05E-05			
444	5	7.79E-06			
445	5	5.81E-06			
446	5	4.44E-06			
447	5	3.49E-06			
448	5	2.80E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	2.31E-06			
450	5	1.93E-06			
451	5	1.64E-06			
452	5	1.41E-06			
453	5	3.35E-06			
454	5	4.38E-06			
455	5	5.99E-06			
456	5	8.66E-06			
457	5	1.34E-05			
458	5	2.16E-05			
459	5	3.08E-05			
460	5	2.67E-05			
461	5	1.70E-05			
462	5	1.08E-05			
463	5	7.35E-06			
464	5	5.30E-06			
465	5	4.00E-06			
466	5	3.14E-06			
467	5	2.53E-06			
468	5	2.09E-06			
469	5	1.76E-06			
470	5	1.50E-06			
471	5	3.28E-06			
472	5	4.73E-06			
473	5	6.71E-06			
474	5	1.04E-05			
475	5	1.85E-05			
476	5	3.47E-06			
477	5	2.75E-06			
478	5	2.25E-06			
479	5	1.87E-06			
480	5	1.59E-06			
481	5	3.05E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	4.38E-06			
483	5	6.39E-06			
484	5	1.03E-05			
485	5	2.07E-05			
486	5	3.72E-06			
487	5	2.93E-06			
488	5	2.37E-06			
489	5	1.96E-06			
490	5	1.66E-06			
491	5	2.72E-06			
492	5	3.78E-06			
493	5	5.38E-06			
494	5	8.49E-06			
495	5	1.58E-05			
496	5	6.84E-05			
497	5	3.09E-05			
498	5	5.01E-06			
499	5	3.81E-06			
500	5	3.00E-06			
501	5	2.43E-06			
502	5	2.01E-06			
503	5	1.70E-06			
504	5	2.29E-06			
505	5	2.99E-06			
506	5	4.36E-06			
507	5	6.24E-06			
508	5	1.02E-05			
509	5	1.62E-05			
510	5	2.39E-05			
511	5	2.38E-05			
512	5	1.76E-05			
513	5	1.21E-05			
514	5	8.54E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	6.22E-06			
516	5	4.70E-06			
517	5	3.66E-06			
518	5	2.93E-06			
519	5	2.40E-06			
520	5	2.00E-06			
521	5	1.70E-06			
522	5	1.85E-06			
523	5	2.43E-06			
524	5	3.25E-06			
525	5	4.41E-06			
526	5	5.83E-06			
527	5	8.59E-06			
528	5	1.05E-05			
529	5	1.10E-05			
530	5	1.02E-05			
531	5	8.32E-06			
532	5	6.53E-06			
533	5	5.15E-06			
534	5	4.10E-06			
535	5	3.32E-06			
536	5	2.73E-06			
537	5	2.28E-06			
538	5	1.93E-06			
539	5	1.66E-06			
540	5	1.50E-06			
541	5	1.88E-06			
542	5	2.38E-06			
543	5	3.04E-06			
544	5	4.01E-06			
545	5	4.91E-06			
546	5	5.85E-06			
547	5	6.19E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE12

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	6.20E-06			
549	5	5.72E-06			
550	5	4.95E-06			
551	5	4.13E-06			
552	5	3.45E-06			
553	5	2.90E-06			
554	5	2.46E-06			
555	5	2.10E-06			
556	5	1.81E-06			
557	5	1.57E-06			
558	5	1.21E-06			
559	5	1.47E-06			
560	5	1.74E-06			
561	5	2.14E-06			
562	5	2.54E-06			
563	5	3.01E-06			
564	5	3.60E-06			
565	5	3.86E-06			
566	5	4.07E-06			
567	5	3.97E-06			
568	5	3.79E-06			
569	5	3.28E-06			
570	5	2.89E-06			
571	5	2.49E-06			
572	5	2.17E-06			
573	5	1.89E-06			
574	5	1.66E-06			
575	5	1.46E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.77	**1.6596E-06**	1.2851E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
2	0.86	1.6596E-06	1.4253E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
3	0.95	1.6596E-06	1.5827E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
4	1.06	1.6596E-06	1.7562E-06	3.46E-04	6.08E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
5	1.17	1.6596E-06	1.9447E-06	3.46E-04	6.73E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
6	1.29	1.6596E-06	2.1427E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
7	1.41	1.6596E-06	2.3385E-06	3.46E-04	8.09E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
8	1.52	1.6596E-06	2.5205E-06	3.46E-04	8.73E-10	0.25	1.57E-01	3.43E-11	1,000,000	3.43E-05
9	1.61	1.6596E-06	2.6759E-06	3.46E-04	9.26E-10	0.25	1.57E-01	3.64E-11	1,000,000	3.64E-05
10	1.68	1.6596E-06	2.7859E-06	3.46E-04	9.64E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
11	1.71	1.6596E-06	2.8398E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
12	1.71	1.6596E-06	2.8333E-06	3.46E-04	9.81E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
13	1.67	1.6596E-06	2.7678E-06	3.46E-04	9.58E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
14	1.60	1.6596E-06	2.6505E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
15	1.50	1.6596E-06	2.4934E-06	3.46E-04	8.63E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
16	1.39	1.6596E-06	2.308E-06	3.46E-04	7.99E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
17	1.27	1.6596E-06	2.1153E-06	3.46E-04	7.32E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
18	1.16	1.6596E-06	1.9215E-06	3.46E-04	6.65E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
19	1.04	1.6596E-06	1.7341E-06	3.46E-04	6.00E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
20	0.94	1.6596E-06	1.5645E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
21	0.85	1.6596E-06	1.4102E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
22	0.77	1.6596E-06	1.271E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
23	0.84	1.6596E-06	1.3948E-06	3.46E-04	4.83E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
24	0.94	1.6596E-06	1.5657E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
25	1.06	1.6596E-06	1.7627E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
26	1.20	1.6596E-06	1.9875E-06	3.46E-04	6.88E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.35	1.6596E-06	2.2387E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
28	1.51	1.6596E-06	2.5132E-06	3.46E-04	8.70E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
29	1.68	1.6596E-06	2.7929E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
30	1.85	1.6596E-06	3.064E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.17E-11	1,000,000	4.17E-05
31	1.99	1.6596E-06	3.2949E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.48E-11	1,000,000	4.48E-05
32	2.09	1.6596E-06	3.461E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
33	2.13	1.6596E-06	3.5402E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
34	2.13	1.6596E-06	3.5329E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.80E-11	1,000,000	4.80E-05
35	2.07	1.6596E-06	3.4364E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
36	1.97	1.6596E-06	3.2637E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
37	1.82	1.6596E-06	3.0212E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
38	1.66	1.6596E-06	2.7536E-06	3.46E-04	9.53E-10	0.25	1.57E-01	3.74E-11	1,000,000	3.74E-05
39	1.50	1.6596E-06	2.4828E-06	3.46E-04	8.59E-10	0.25	1.57E-01	3.38E-11	1,000,000	3.38E-05
40	1.34	1.6596E-06	2.2159E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
41	1.18	1.6596E-06	1.9664E-06	3.46E-04	6.81E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
42	1.05	1.6596E-06	1.7431E-06	3.46E-04	6.03E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
43	0.93	1.6596E-06	1.547E-06	3.46E-04	5.36E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
44	0.83	1.6596E-06	1.385E-06	3.46E-04	4.79E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
45	0.91	1.6596E-06	1.5088E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
46	1.03	1.6596E-06	1.7159E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
47	1.18	1.6596E-06	1.9625E-06	3.46E-04	6.79E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
48	1.36	1.6596E-06	2.2545E-06	3.46E-04	7.80E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
49	1.56	1.6596E-06	2.5945E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
50	1.80	1.6596E-06	2.9799E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
51	2.05	1.6596E-06	3.3955E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.62E-11	1,000,000	4.62E-05
52	2.30	1.6596E-06	3.8088E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.18E-11	1,000,000	5.18E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.52	1.6596E-06	4.1754E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.68E-11	1,000,000	5.68E-05
54	2.67	1.6596E-06	4.437E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.03E-11	1,000,000	6.03E-05
55	2.75	1.6596E-06	4.5644E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.21E-11	1,000,000	6.21E-05
56	2.74	1.6596E-06	4.5472E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.18E-11	1,000,000	6.18E-05
57	2.65	1.6596E-06	4.39E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.97E-11	1,000,000	5.97E-05
58	2.49	1.6596E-06	4.1266E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.61E-11	1,000,000	5.61E-05
59	2.26	1.6596E-06	3.7517E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.10E-11	1,000,000	5.10E-05
60	2.02	1.6596E-06	3.3461E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
61	1.78	1.6596E-06	2.9491E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.01E-11	1,000,000	4.01E-05
62	1.55	1.6596E-06	2.5714E-06	3.46E-04	8.90E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
63	1.35	1.6596E-06	2.2364E-06	3.46E-04	7.74E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
64	1.17	1.6596E-06	1.9497E-06	3.46E-04	6.75E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
65	1.03	1.6596E-06	1.7089E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
66	0.91	1.6596E-06	1.5068E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
67	0.98	1.6596E-06	1.6229E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
68	1.13	1.6596E-06	1.8712E-06	3.46E-04	6.48E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
69	1.31	1.6596E-06	2.1773E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
70	1.54	1.6596E-06	2.5552E-06	3.46E-04	8.85E-10	0.25	1.57E-01	3.47E-11	1,000,000	3.47E-05
71	1.82	1.6596E-06	3.019E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
72	2.15	1.6596E-06	3.5759E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.86E-11	1,000,000	4.86E-05
73	2.54	1.6596E-06	4.2147E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
74	2.94	1.6596E-06	4.8812E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
75	3.31	1.6596E-06	5.4899E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.47E-11	1,000,000	7.47E-05
76	3.58	1.6596E-06	5.9374E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.07E-11	1,000,000	8.07E-05
77	3.71	1.6596E-06	6.1539E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.37E-11	1,000,000	8.37E-05
78	3.69	1.6596E-06	6.1287E-06	3.46E-04	2.12E-09	0.25	1.57E-01	8.33E-11	1,000,000	8.33E-05
79	3.53	1.6596E-06	5.8553E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.96E-11	1,000,000	7.96E-05
80	3.25	1.6596E-06	5.3957E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.34E-11	1,000,000	7.34E-05
81	2.89	1.6596E-06	4.8031E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.53E-11	1,000,000	6.53E-05
82	2.51	1.6596E-06	4.172E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.67E-11	1,000,000	5.67E-05
83	2.14	1.6596E-06	3.5518E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
84	1.81	1.6596E-06	3.0104E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
85	1.53	1.6596E-06	2.5411E-06	3.46E-04	8.80E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.31	1.6596E-06	2.1793E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
87	1.13	1.6596E-06	1.878E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
88	0.99	1.6596E-06	1.6355E-06	3.46E-04	5.66E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05
89	1.03	1.6596E-06	1.7161E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
90	1.22	1.6596E-06	2.024E-06	3.46E-04	7.01E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
91	1.44	1.6596E-06	2.3979E-06	3.46E-04	8.30E-10	0.25	1.57E-01	3.26E-11	1,000,000	3.26E-05
92	1.74	1.6596E-06	2.882E-06	3.46E-04	9.98E-10	0.25	1.57E-01	3.92E-11	1,000,000	3.92E-05
93	2.12	1.6596E-06	3.5136E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.78E-11	1,000,000	4.78E-05
94	2.61	1.6596E-06	4.3307E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.89E-11	1,000,000	5.89E-05
95	3.23	1.6596E-06	5.3523E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.28E-11	1,000,000	7.28E-05
96	3.93	1.6596E-06	6.518E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.86E-11	1,000,000	8.86E-05
97	4.60	1.6596E-06	7.6418E-06	3.46E-04	2.65E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
98	5.09	1.6596E-06	8.4522E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
99	5.30	1.6596E-06	8.7978E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
100	5.25	1.6596E-06	8.7108E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
101	4.96	1.6596E-06	8.2373E-06	3.46E-04	2.85E-09	0.25	1.57E-01	1.12E-10	1,000,000	1.12E-04
102	4.48	1.6596E-06	7.4356E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
103	3.86	1.6596E-06	6.4118E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.72E-11	1,000,000	8.72E-05
104	3.20	1.6596E-06	5.3189E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
105	2.62	1.6596E-06	4.3454E-06	3.46E-04	1.50E-09	0.25	1.57E-01	5.91E-11	1,000,000	5.91E-05
106	2.13	1.6596E-06	3.543E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
107	1.76	1.6596E-06	2.9138E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.96E-11	1,000,000	3.96E-05
108	1.47	1.6596E-06	2.432E-06	3.46E-04	8.42E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
109	1.24	1.6596E-06	2.0588E-06	3.46E-04	7.13E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
110	1.07	1.6596E-06	1.7703E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
111	1.06	1.6596E-06	1.7635E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
112	1.28	1.6596E-06	2.1213E-06	3.46E-04	7.34E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
113	1.53	1.6596E-06	2.5408E-06	3.46E-04	8.80E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
114	1.90	1.6596E-06	3.1488E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
115	2.44	1.6596E-06	4.042E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.50E-11	1,000,000	5.50E-05
116	3.17	1.6596E-06	5.2624E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
117	4.20	1.6596E-06	6.9747E-06	3.46E-04	2.41E-09	0.25	1.57E-01	9.49E-11	1,000,000	9.49E-05
118	5.57	1.6596E-06	9.2479E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	7.02	1.6596E-06	1.1653E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
120	8.02	1.6596E-06	1.3315E-05	3.46E-04	4.61E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
121	8.35	1.6596E-06	1.3863E-05	3.46E-04	4.80E-09	0.25	1.57E-01	1.89E-10	1,000,000	1.89E-04
122	8.16	1.6596E-06	1.3539E-05	3.46E-04	4.69E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
123	7.63	1.6596E-06	1.2662E-05	3.46E-04	4.38E-09	0.25	1.57E-01	1.72E-10	1,000,000	1.72E-04
124	6.73	1.6596E-06	1.1168E-05	3.46E-04	3.87E-09	0.25	1.57E-01	1.52E-10	1,000,000	1.52E-04
125	5.51	1.6596E-06	9.1375E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
126	4.25	1.6596E-06	7.0538E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.59E-11	1,000,000	9.59E-05
127	3.25	1.6596E-06	5.3949E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.34E-11	1,000,000	7.34E-05
128	2.52	1.6596E-06	4.1887E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.70E-11	1,000,000	5.70E-05
129	2.00	1.6596E-06	3.3245E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.52E-11	1,000,000	4.52E-05
130	1.63	1.6596E-06	2.7096E-06	3.46E-04	9.38E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
131	1.36	1.6596E-06	2.2524E-06	3.46E-04	7.80E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
132	1.15	1.6596E-06	1.9101E-06	3.46E-04	6.61E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
133	1.05	1.6596E-06	1.7476E-06	3.46E-04	6.05E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
134	1.28	1.6596E-06	2.13E-06	3.46E-04	7.37E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
135	1.58	1.6596E-06	2.6222E-06	3.46E-04	9.08E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
136	2.04	1.6596E-06	3.3918E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.61E-11	1,000,000	4.61E-05
137	2.75	1.6596E-06	4.5615E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.20E-11	1,000,000	6.20E-05
138	3.80	1.6596E-06	6.3142E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.59E-11	1,000,000	8.59E-05
139	5.57	1.6596E-06	9.244E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
140	8.67	1.6596E-06	1.4385E-05	3.46E-04	4.98E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
141	12.89	1.6596E-06	2.1394E-05	3.46E-04	7.41E-09	0.25	1.57E-01	2.91E-10	1,000,000	2.91E-04
142	15.46	1.6596E-06	2.5657E-05	3.46E-04	8.88E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
143	15.63	1.6596E-06	2.5935E-05	3.46E-04	8.98E-09	0.25	1.57E-01	3.53E-10	1,000,000	3.53E-04
144	14.79	1.6596E-06	2.4543E-05	3.46E-04	8.50E-09	0.25	1.57E-01	3.34E-10	1,000,000	3.34E-04
145	13.81	1.6596E-06	2.2922E-05	3.46E-04	7.93E-09	0.25	1.57E-01	3.12E-10	1,000,000	3.12E-04
146	11.97	1.6596E-06	1.9867E-05	3.46E-04	6.88E-09	0.25	1.57E-01	2.70E-10	1,000,000	2.70E-04
147	8.85	1.6596E-06	1.4686E-05	3.46E-04	5.08E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
148	5.93	1.6596E-06	9.8437E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
149	4.10	1.6596E-06	6.8001E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.25E-11	1,000,000	9.25E-05
150	2.98	1.6596E-06	4.9432E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.72E-11	1,000,000	6.72E-05
151	2.27	1.6596E-06	3.774E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.81	1.6596E-06	2.9998E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
153	1.48	1.6596E-06	2.4517E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
154	1.24	1.6596E-06	2.0509E-06	3.46E-04	7.10E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
155	0.94	1.6596E-06	1.566E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
156	1.17	1.6596E-06	1.9496E-06	3.46E-04	6.75E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
157	1.55	1.6596E-06	2.5702E-06	3.46E-04	8.90E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
158	2.02	1.6596E-06	3.349E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
159	2.85	1.6596E-06	4.7336E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.44E-11	1,000,000	6.44E-05
160	4.21	1.6596E-06	6.9847E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.50E-11	1,000,000	9.50E-05
161	7.01	1.6596E-06	1.1635E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
162	14.82	1.6596E-06	2.4598E-05	3.46E-04	8.52E-09	0.25	1.57E-01	3.35E-10	1,000,000	3.35E-04
163	47.25	1.6596E-06	7.842E-05	3.46E-04	2.71E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
164	58.24	1.6596E-06	9.6649E-05	3.46E-04	3.35E-08	0.25	1.57E-01	1.31E-09	1,000,000	1.31E-03
165	52.13	1.6596E-06	8.652E-05	3.46E-04	3.00E-08	0.25	1.57E-01	1.18E-09	1,000,000	1.18E-03
166	41.20	1.6596E-06	6.8373E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.30E-10	1,000,000	9.30E-04
167	39.75	1.6596E-06	6.5971E-05	3.46E-04	2.28E-08	0.25	1.57E-01	8.97E-10	1,000,000	8.97E-04
168	36.40	1.6596E-06	6.0411E-05	3.46E-04	2.09E-08	0.25	1.57E-01	8.22E-10	1,000,000	8.22E-04
169	18.69	1.6596E-06	3.1013E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
170	8.69	1.6596E-06	1.4429E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
171	5.12	1.6596E-06	8.4979E-06	3.46E-04	2.94E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
172	3.48	1.6596E-06	5.7742E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.85E-11	1,000,000	7.85E-05
173	2.55	1.6596E-06	4.2402E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.77E-11	1,000,000	5.77E-05
174	1.98	1.6596E-06	3.2861E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.47E-11	1,000,000	4.47E-05
175	1.59	1.6596E-06	2.6459E-06	3.46E-04	9.16E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
176	1.32	1.6596E-06	2.1876E-06	3.46E-04	7.57E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
177	0.89	1.6596E-06	1.4694E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
178	1.12	1.6596E-06	1.8549E-06	3.46E-04	6.42E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
179	1.48	1.6596E-06	2.455E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
180	2.02	1.6596E-06	3.3456E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
181	2.83	1.6596E-06	4.7021E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
182	4.28	1.6596E-06	7.1026E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
183	7.58	1.6596E-06	1.2588E-05	3.46E-04	4.36E-09	0.25	1.57E-01	1.71E-10	1,000,000	1.71E-04
184	41.28	1.6596E-06	6.8516E-05	3.46E-04	2.37E-08	0.25	1.57E-01	9.32E-10	1,000,000	9.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	11.30	1.6596E-06	1.8747E-05	3.46E-04	6.49E-09	0.25	1.57E-01	2.55E-10	1,000,000	2.55E-04
186	5.96	1.6596E-06	9.8918E-06	3.46E-04	3.42E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
187	3.85	1.6596E-06	6.3971E-06	3.46E-04	2.21E-09	0.25	1.57E-01	8.70E-11	1,000,000	8.70E-05
188	2.76	1.6596E-06	4.587E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.24E-11	1,000,000	6.24E-05
189	2.11	1.6596E-06	3.5055E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
190	1.68	1.6596E-06	2.7928E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
191	1.38	1.6596E-06	2.2921E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
192	0.80	1.6596E-06	1.3223E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
193	0.99	1.6596E-06	1.644E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
194	1.30	1.6596E-06	2.1516E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
195	1.73	1.6596E-06	2.875E-06	3.46E-04	9.95E-10	0.25	1.57E-01	3.91E-11	1,000,000	3.91E-05
196	2.47	1.6596E-06	4.1037E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.58E-11	1,000,000	5.58E-05
197	3.62	1.6596E-06	6.0146E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.18E-11	1,000,000	8.18E-05
198	6.32	1.6596E-06	1.0496E-05	3.46E-04	3.63E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04
199	20.98	1.6596E-06	3.4825E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.74E-10	1,000,000	4.74E-04
200	19.85	1.6596E-06	3.2939E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.48E-10	1,000,000	4.48E-04
201	9.53	1.6596E-06	1.5821E-05	3.46E-04	5.48E-09	0.25	1.57E-01	2.15E-10	1,000,000	2.15E-04
202	5.65	1.6596E-06	9.3739E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
203	3.82	1.6596E-06	6.3342E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.61E-11	1,000,000	8.61E-05
204	2.79	1.6596E-06	4.6253E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
205	2.15	1.6596E-06	3.5605E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
206	1.71	1.6596E-06	2.8454E-06	3.46E-04	9.85E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
207	1.41	1.6596E-06	2.3396E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
208	0.71	1.6596E-06	1.1732E-06	3.46E-04	4.06E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
209	0.87	1.6596E-06	1.4418E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
210	1.06	1.6596E-06	1.7576E-06	3.46E-04	6.08E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
211	1.41	1.6596E-06	2.3401E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
212	1.89	1.6596E-06	3.142E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.27E-11	1,000,000	4.27E-05
213	2.73	1.6596E-06	4.531E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05
214	4.29	1.6596E-06	7.1205E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.68E-11	1,000,000	9.68E-05
215	6.94	1.6596E-06	1.1523E-05	3.46E-04	3.99E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
216	10.44	1.6596E-06	1.733E-05	3.46E-04	6.00E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
217	10.21	1.6596E-06	1.6942E-05	3.46E-04	5.86E-09	0.25	1.57E-01	2.30E-10	1,000,000	2.30E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	9.50	1.6596E-06	1.5772E-05	3.46E-04	5.46E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
219	8.25	1.6596E-06	1.3693E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
220	6.20	1.6596E-06	1.0283E-05	3.46E-04	3.56E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
221	4.52	1.6596E-06	7.493E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
222	3.36	1.6596E-06	5.5823E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.59E-11	1,000,000	7.59E-05
223	2.59	1.6596E-06	4.2958E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.84E-11	1,000,000	5.84E-05
224	2.05	1.6596E-06	3.4073E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.63E-11	1,000,000	4.63E-05
225	1.67	1.6596E-06	2.7724E-06	3.46E-04	9.60E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
226	1.39	1.6596E-06	2.3057E-06	3.46E-04	7.98E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
227	0.62	1.6596E-06	1.0264E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
228	0.74	1.6596E-06	1.2267E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
229	0.90	1.6596E-06	1.4913E-06	3.46E-04	5.16E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
230	1.13	1.6596E-06	1.8787E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
231	1.47	1.6596E-06	2.439E-06	3.46E-04	8.44E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
232	1.91	1.6596E-06	3.1735E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
233	2.75	1.6596E-06	4.5716E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.22E-11	1,000,000	6.22E-05
234	3.74	1.6596E-06	6.2121E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.45E-11	1,000,000	8.45E-05
235	4.79	1.6596E-06	7.9444E-06	3.46E-04	2.75E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
236	5.38	1.6596E-06	8.9309E-06	3.46E-04	3.09E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
237	5.67	1.6596E-06	9.413E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
238	5.81	1.6596E-06	9.642E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
239	5.84	1.6596E-06	9.6935E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
240	5.50	1.6596E-06	9.1276E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
241	5.05	1.6596E-06	8.377E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
242	4.11	1.6596E-06	6.8238E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.28E-11	1,000,000	9.28E-05
243	3.44	1.6596E-06	5.709E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.76E-11	1,000,000	7.76E-05
244	2.79	1.6596E-06	4.6248E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
245	2.27	1.6596E-06	3.765E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
246	1.87	1.6596E-06	3.1032E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
247	1.56	1.6596E-06	2.5932E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
248	1.32	1.6596E-06	2.1969E-06	3.46E-04	7.60E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
249	0.54	1.6596E-06	9.0011E-07	3.46E-04	3.12E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
250	0.63	1.6596E-06	1.0503E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.75	1.6596E-06	1.2403E-06	3.46E-04	4.29E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
252	0.92	1.6596E-06	1.5241E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
253	1.13	1.6596E-06	1.8783E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
254	1.47	1.6596E-06	2.4471E-06	3.46E-04	8.47E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
255	1.86	1.6596E-06	3.0792E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.19E-11	1,000,000	4.19E-05
256	2.44	1.6596E-06	4.048E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.50E-11	1,000,000	5.50E-05
257	2.86	1.6596E-06	4.7497E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.46E-11	1,000,000	6.46E-05
258	3.20	1.6596E-06	5.3038E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.21E-11	1,000,000	7.21E-05
259	3.57	1.6596E-06	5.9211E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.05E-11	1,000,000	8.05E-05
260	3.82	1.6596E-06	6.3344E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.61E-11	1,000,000	8.61E-05
261	3.89	1.6596E-06	6.4498E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
262	3.67	1.6596E-06	6.094E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.29E-11	1,000,000	8.29E-05
263	3.33	1.6596E-06	5.521E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.51E-11	1,000,000	7.51E-05
264	2.95	1.6596E-06	4.9034E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.67E-11	1,000,000	6.67E-05
265	2.67	1.6596E-06	4.4389E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.04E-11	1,000,000	6.04E-05
266	2.29	1.6596E-06	3.7952E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
267	1.94	1.6596E-06	3.2194E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
268	1.65	1.6596E-06	2.7451E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
269	1.42	1.6596E-06	2.3562E-06	3.46E-04	8.16E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
270	1.23	1.6596E-06	2.0376E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
271	0.47	1.6596E-06	7.7222E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
272	0.53	1.6596E-06	8.8359E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
273	0.62	1.6596E-06	1.0334E-06	3.46E-04	3.58E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
274	0.74	1.6596E-06	1.2199E-06	3.46E-04	4.22E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
275	0.88	1.6596E-06	1.4598E-06	3.46E-04	5.05E-10	0.25	1.57E-01	1.99E-11	1,000,000	1.99E-05
276	1.08	1.6596E-06	1.796E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
277	1.32	1.6596E-06	2.1923E-06	3.46E-04	7.59E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05
278	1.57	1.6596E-06	2.6001E-06	3.46E-04	9.00E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
279	1.86	1.6596E-06	3.0895E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
280	2.13	1.6596E-06	3.5322E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.80E-11	1,000,000	4.80E-05
281	2.40	1.6596E-06	3.9793E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
282	2.62	1.6596E-06	4.3523E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.92E-11	1,000,000	5.92E-05
283	2.68	1.6596E-06	4.4508E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.05E-11	1,000,000	6.05E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	2.44	1.6596E-06	4.0445E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.50E-11	1,000,000	5.50E-05
285	2.36	1.6596E-06	3.9106E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
286	2.19	1.6596E-06	3.6313E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.94E-11	1,000,000	4.94E-05
287	1.99	1.6596E-06	3.3059E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
288	1.82	1.6596E-06	3.027E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.12E-11	1,000,000	4.12E-05
289	1.63	1.6596E-06	2.7114E-06	3.46E-04	9.39E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
290	1.45	1.6596E-06	2.4052E-06	3.46E-04	8.33E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
291	1.28	1.6596E-06	2.1176E-06	3.46E-04	7.33E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
292	1.12	1.6596E-06	1.8573E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
293	0.40	1.6596E-06	6.676E-07	3.46E-04	2.31E-10	0.25	1.57E-01	9.08E-12	1,000,000	9.08E-06
294	0.46	1.6596E-06	7.5752E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
295	0.52	1.6596E-06	8.6492E-07	3.46E-04	2.99E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
296	0.60	1.6596E-06	9.8787E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
297	0.70	1.6596E-06	1.1665E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
298	0.83	1.6596E-06	1.3709E-06	3.46E-04	4.75E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
299	0.97	1.6596E-06	1.6167E-06	3.46E-04	5.60E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
300	1.17	1.6596E-06	1.9361E-06	3.46E-04	6.70E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
301	1.30	1.6596E-06	2.1579E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
302	1.51	1.6596E-06	2.5068E-06	3.46E-04	8.68E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
303	1.69	1.6596E-06	2.8031E-06	3.46E-04	9.70E-10	0.25	1.57E-01	3.81E-11	1,000,000	3.81E-05
304	1.87	1.6596E-06	3.1049E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
305	1.90	1.6596E-06	3.1541E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.29E-11	1,000,000	4.29E-05
306	1.78	1.6596E-06	2.9618E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
307	1.71	1.6596E-06	2.8434E-06	3.46E-04	9.84E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
308	1.61	1.6596E-06	2.6776E-06	3.46E-04	9.27E-10	0.25	1.57E-01	3.64E-11	1,000,000	3.64E-05
309	1.61	1.6596E-06	2.6711E-06	3.46E-04	9.25E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
310	1.47	1.6596E-06	2.4458E-06	3.46E-04	8.47E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
311	1.36	1.6596E-06	2.2496E-06	3.46E-04	7.79E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
312	1.25	1.6596E-06	2.0805E-06	3.46E-04	7.20E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
313	1.14	1.6596E-06	1.8842E-06	3.46E-04	6.52E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
314	1.03	1.6596E-06	1.7101E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
315	0.34	1.6596E-06	5.6753E-07	3.46E-04	1.96E-10	0.25	1.57E-01	7.72E-12	1,000,000	7.72E-06
316	0.38	1.6596E-06	6.3881E-07	3.46E-04	2.21E-10	0.25	1.57E-01	8.69E-12	1,000,000	8.69E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.43	1.6596E-06	7.1896E-07	3.46E-04	2.49E-10	0.25	1.57E-01	9.78E-12	1,000,000	9.78E-06
318	0.49	1.6596E-06	8.0956E-07	3.46E-04	2.80E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
319	0.55	1.6596E-06	9.0867E-07	3.46E-04	3.15E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
320	0.66	1.6596E-06	1.0882E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
321	0.74	1.6596E-06	1.2358E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
322	0.86	1.6596E-06	1.4215E-06	3.46E-04	4.92E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
323	0.99	1.6596E-06	1.65E-06	3.46E-04	5.71E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
324	1.12	1.6596E-06	1.8543E-06	3.46E-04	6.42E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
325	1.24	1.6596E-06	2.0578E-06	3.46E-04	7.12E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
326	1.36	1.6596E-06	2.2609E-06	3.46E-04	7.83E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
327	1.61	1.6596E-06	2.6671E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
328	1.32	1.6596E-06	2.1957E-06	3.46E-04	7.60E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
329	1.28	1.6596E-06	2.124E-06	3.46E-04	7.35E-10	0.25	1.57E-01	2.89E-11	1,000,000	2.89E-05
330	1.26	1.6596E-06	2.0844E-06	3.46E-04	7.22E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
331	1.23	1.6596E-06	2.0353E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
332	1.19	1.6596E-06	1.973E-06	3.46E-04	6.83E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
333	1.12	1.6596E-06	1.8519E-06	3.46E-04	6.41E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
334	1.06	1.6596E-06	1.763E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
335	0.99	1.6596E-06	1.6409E-06	3.46E-04	5.68E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
336	0.92	1.6596E-06	1.5255E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
337	0.30	1.6596E-06	4.964E-07	3.46E-04	1.72E-10	0.25	1.57E-01	6.75E-12	1,000,000	6.75E-06
338	0.33	1.6596E-06	5.4881E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.46E-12	1,000,000	7.46E-06
339	0.36	1.6596E-06	6.0225E-07	3.46E-04	2.08E-10	0.25	1.57E-01	8.19E-12	1,000,000	8.19E-06
340	0.41	1.6596E-06	6.8053E-07	3.46E-04	2.36E-10	0.25	1.57E-01	9.25E-12	1,000,000	9.25E-06
341	0.45	1.6596E-06	7.544E-07	3.46E-04	2.61E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
342	0.53	1.6596E-06	8.8107E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
343	0.59	1.6596E-06	9.7844E-07	3.46E-04	3.39E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
344	0.67	1.6596E-06	1.1139E-06	3.46E-04	3.86E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
345	0.76	1.6596E-06	1.2597E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
346	0.86	1.6596E-06	1.4353E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
347	0.94	1.6596E-06	1.5521E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
348	1.01	1.6596E-06	1.6727E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
349	0.95	1.6596E-06	1.5833E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	0.96	1.6596E-06	1.6007E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
351	0.97	1.6596E-06	1.6084E-06	3.46E-04	5.57E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
352	0.93	1.6596E-06	1.5459E-06	3.46E-04	5.35E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
353	0.96	1.6596E-06	1.5927E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
354	0.93	1.6596E-06	1.5448E-06	3.46E-04	5.35E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
355	0.91	1.6596E-06	1.5178E-06	3.46E-04	5.25E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
356	0.89	1.6596E-06	1.479E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
357	0.85	1.6596E-06	1.4082E-06	3.46E-04	4.87E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
358	0.80	1.6596E-06	1.3277E-06	3.46E-04	4.60E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
359	0.26	1.6596E-06	4.2772E-07	3.46E-04	1.48E-10	0.25	1.57E-01	5.82E-12	1,000,000	5.82E-06
360	0.28	1.6596E-06	4.72E-07	3.46E-04	1.63E-10	0.25	1.57E-01	6.42E-12	1,000,000	6.42E-06
361	0.31	1.6596E-06	5.1776E-07	3.46E-04	1.79E-10	0.25	1.57E-01	7.04E-12	1,000,000	7.04E-06
362	0.34	1.6596E-06	5.6993E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.75E-12	1,000,000	7.75E-06
363	0.38	1.6596E-06	6.2369E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.48E-12	1,000,000	8.48E-06
364	0.43	1.6596E-06	7.0559E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.60E-12	1,000,000	9.60E-06
365	0.48	1.6596E-06	7.9477E-07	3.46E-04	2.75E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
366	0.54	1.6596E-06	8.9745E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
367	0.62	1.6596E-06	1.0233E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
368	0.68	1.6596E-06	1.1211E-06	3.46E-04	3.88E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
369	0.71	1.6596E-06	1.184E-06	3.46E-04	4.10E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
370	0.73	1.6596E-06	1.208E-06	3.46E-04	4.18E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
371	0.75	1.6596E-06	1.2513E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
372	0.76	1.6596E-06	1.2639E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
373	0.74	1.6596E-06	1.2346E-06	3.46E-04	4.27E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
374	0.72	1.6596E-06	1.1999E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
375	0.74	1.6596E-06	1.2334E-06	3.46E-04	4.27E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
376	0.73	1.6596E-06	1.2162E-06	3.46E-04	4.21E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
377	0.73	1.6596E-06	1.2159E-06	3.46E-04	4.21E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
378	0.75	1.6596E-06	1.2452E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
379	0.73	1.6596E-06	1.2139E-06	3.46E-04	4.20E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
380	0.69	1.6596E-06	1.1505E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
381	1.16	1.6596E-06	1.9245E-06	3.46E-04	6.66E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
382	1.34	1.6596E-06	2.2271E-06	3.46E-04	7.71E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.56	1.6596E-06	2.5912E-06	3.46E-04	8.97E-10	0.25	1.57E-01	3.52E-11	1,000,000	3.52E-05
384	1.82	1.6596E-06	3.0216E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
385	2.12	1.6596E-06	3.5131E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.78E-11	1,000,000	4.78E-05
386	2.43	1.6596E-06	4.0364E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.49E-11	1,000,000	5.49E-05
387	2.73	1.6596E-06	4.5356E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
388	2.98	1.6596E-06	4.9478E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
389	3.14	1.6596E-06	5.2058E-06	3.46E-04	1.80E-09	0.25	1.57E-01	7.08E-11	1,000,000	7.08E-05
390	3.18	1.6596E-06	5.278E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
391	3.11	1.6596E-06	5.1609E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
392	2.94	1.6596E-06	4.8783E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.63E-11	1,000,000	6.63E-05
393	2.69	1.6596E-06	4.4653E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.07E-11	1,000,000	6.07E-05
394	2.40	1.6596E-06	3.9821E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
395	2.09	1.6596E-06	3.4701E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.72E-11	1,000,000	4.72E-05
396	1.80	1.6596E-06	2.992E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.07E-11	1,000,000	4.07E-05
397	1.55	1.6596E-06	2.5715E-06	3.46E-04	8.90E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
398	1.33	1.6596E-06	2.2132E-06	3.46E-04	7.66E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
399	1.27	1.6596E-06	2.1083E-06	3.46E-04	7.30E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
400	1.50	1.6596E-06	2.4894E-06	3.46E-04	8.62E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
401	1.79	1.6596E-06	2.9719E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.04E-11	1,000,000	4.04E-05
402	2.16	1.6596E-06	3.5781E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
403	2.60	1.6596E-06	4.3181E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.87E-11	1,000,000	5.87E-05
404	3.11	1.6596E-06	5.1615E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
405	3.63	1.6596E-06	6.0206E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.19E-11	1,000,000	8.19E-05
406	4.06	1.6596E-06	6.7437E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.17E-11	1,000,000	9.17E-05
407	4.33	1.6596E-06	7.1871E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.77E-11	1,000,000	9.77E-05
408	4.40	1.6596E-06	7.3075E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.94E-11	1,000,000	9.94E-05
409	4.28	1.6596E-06	7.1007E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
410	3.98	1.6596E-06	6.6064E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
411	3.56	1.6596E-06	5.9128E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.04E-11	1,000,000	8.04E-05
412	3.08	1.6596E-06	5.1081E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.95E-11	1,000,000	6.95E-05
413	2.59	1.6596E-06	4.2921E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.84E-11	1,000,000	5.84E-05
414	2.15	1.6596E-06	3.5724E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.86E-11	1,000,000	4.86E-05
415	1.79	1.6596E-06	2.975E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.50	1.6596E-06	2.49E-06	3.46E-04	8.62E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
417	1.36	1.6596E-06	2.2588E-06	3.46E-04	7.82E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
418	1.65	1.6596E-06	2.7442E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
419	2.04	1.6596E-06	3.3876E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.61E-11	1,000,000	4.61E-05
420	2.56	1.6596E-06	4.2413E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.77E-11	1,000,000	5.77E-05
421	3.25	1.6596E-06	5.3898E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.33E-11	1,000,000	7.33E-05
422	4.14	1.6596E-06	6.8666E-06	3.46E-04	2.38E-09	0.25	1.57E-01	9.34E-11	1,000,000	9.34E-05
423	5.14	1.6596E-06	8.5231E-06	3.46E-04	2.95E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
424	5.99	1.6596E-06	9.945E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
425	6.46	1.6596E-06	1.0726E-05	3.46E-04	3.71E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
426	6.55	1.6596E-06	1.0866E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
427	6.29	1.6596E-06	1.0444E-05	3.46E-04	3.62E-09	0.25	1.57E-01	1.42E-10	1,000,000	1.42E-04
428	5.78	1.6596E-06	9.5868E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
429	5.01	1.6596E-06	8.3122E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
430	4.11	1.6596E-06	6.8166E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.27E-11	1,000,000	9.27E-05
431	3.27	1.6596E-06	5.4229E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.37E-11	1,000,000	7.37E-05
432	2.59	1.6596E-06	4.299E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.85E-11	1,000,000	5.85E-05
433	2.08	1.6596E-06	3.4601E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
434	1.70	1.6596E-06	2.8192E-06	3.46E-04	9.76E-10	0.25	1.57E-01	3.83E-11	1,000,000	3.83E-05
435	1.40	1.6596E-06	2.3232E-06	3.46E-04	8.04E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
436	1.76	1.6596E-06	2.9134E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.96E-11	1,000,000	3.96E-05
437	2.27	1.6596E-06	3.7597E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.11E-11	1,000,000	5.11E-05
438	3.00	1.6596E-06	4.9807E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.77E-11	1,000,000	6.77E-05
439	4.09	1.6596E-06	6.7827E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.22E-11	1,000,000	9.22E-05
440	5.76	1.6596E-06	9.5559E-06	3.46E-04	3.31E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
441	8.04	1.6596E-06	1.3346E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
442	10.12	1.6596E-06	1.6795E-05	3.46E-04	5.81E-09	0.25	1.57E-01	2.28E-10	1,000,000	2.28E-04
443	11.03	1.6596E-06	1.8305E-05	3.46E-04	6.34E-09	0.25	1.57E-01	2.49E-10	1,000,000	2.49E-04
444	10.94	1.6596E-06	1.8158E-05	3.46E-04	6.29E-09	0.25	1.57E-01	2.47E-10	1,000,000	2.47E-04
445	10.39	1.6596E-06	1.7247E-05	3.46E-04	5.97E-09	0.25	1.57E-01	2.35E-10	1,000,000	2.35E-04
446	9.44	1.6596E-06	1.5665E-05	3.46E-04	5.42E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
447	7.83	1.6596E-06	1.299E-05	3.46E-04	4.50E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
448	5.85	1.6596E-06	9.7116E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	4.25	1.6596E-06	7.0511E-06	3.46E-04	2.44E-09	0.25	1.57E-01	9.59E-11	1,000,000	9.59E-05
450	3.15	1.6596E-06	5.2293E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.11E-11	1,000,000	7.11E-05
451	2.41	1.6596E-06	3.9918E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.43E-11	1,000,000	5.43E-05
452	1.91	1.6596E-06	3.1669E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
453	1.39	1.6596E-06	2.304E-06	3.46E-04	7.98E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
454	1.79	1.6596E-06	2.9633E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
455	2.41	1.6596E-06	3.9986E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.44E-11	1,000,000	5.44E-05
456	3.37	1.6596E-06	5.5853E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.60E-11	1,000,000	7.60E-05
457	5.02	1.6596E-06	8.3265E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
458	8.31	1.6596E-06	1.3794E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.88E-10	1,000,000	1.88E-04
459	15.64	1.6596E-06	2.596E-05	3.46E-04	8.99E-09	0.25	1.57E-01	3.53E-10	1,000,000	3.53E-04
460	24.06	1.6596E-06	3.9927E-05	3.46E-04	1.38E-08	0.25	1.57E-01	5.43E-10	1,000,000	5.43E-04
461	25.54	1.6596E-06	4.2384E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.76E-10	1,000,000	5.76E-04
462	23.32	1.6596E-06	3.8709E-05	3.46E-04	1.34E-08	0.25	1.57E-01	5.26E-10	1,000,000	5.26E-04
463	21.78	1.6596E-06	3.6151E-05	3.46E-04	1.25E-08	0.25	1.57E-01	4.92E-10	1,000,000	4.92E-04
464	20.18	1.6596E-06	3.349E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.55E-10	1,000,000	4.55E-04
465	15.60	1.6596E-06	2.589E-05	3.46E-04	8.96E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
466	9.28	1.6596E-06	1.5407E-05	3.46E-04	5.33E-09	0.25	1.57E-01	2.10E-10	1,000,000	2.10E-04
467	5.67	1.6596E-06	9.4034E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
468	3.82	1.6596E-06	6.3346E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.61E-11	1,000,000	8.61E-05
469	2.78	1.6596E-06	4.6062E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.26E-11	1,000,000	6.26E-05
470	2.13	1.6596E-06	3.5348E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
471	1.29	1.6596E-06	2.1369E-06	3.46E-04	7.40E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
472	1.71	1.6596E-06	2.8429E-06	3.46E-04	9.84E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
473	2.38	1.6596E-06	3.9466E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.37E-11	1,000,000	5.37E-05
474	3.44	1.6596E-06	5.7094E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.76E-11	1,000,000	7.76E-05
475	5.50	1.6596E-06	9.1337E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
476	16.11	1.6596E-06	2.6737E-05	3.46E-04	9.26E-09	0.25	1.57E-01	3.64E-10	1,000,000	3.64E-04
477	7.34	1.6596E-06	1.2189E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
478	4.50	1.6596E-06	7.47E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
479	3.12	1.6596E-06	5.1833E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.05E-11	1,000,000	7.05E-05
480	2.33	1.6596E-06	3.8678E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.26E-11	1,000,000	5.26E-05
481	1.18	1.6596E-06	1.9586E-06	3.46E-04	6.78E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.58	1.6596E-06	2.6293E-06	3.46E-04	9.10E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
483	2.12	1.6596E-06	3.515E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.78E-11	1,000,000	4.78E-05
484	3.08	1.6596E-06	5.1047E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
485	5.22	1.6596E-06	8.6697E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
486	17.46	1.6596E-06	2.8973E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.94E-10	1,000,000	3.94E-04
487	7.85	1.6596E-06	1.3029E-05	3.46E-04	4.51E-09	0.25	1.57E-01	1.77E-10	1,000,000	1.77E-04
488	4.75	1.6596E-06	7.8768E-06	3.46E-04	2.73E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
489	3.28	1.6596E-06	5.442E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.40E-11	1,000,000	7.40E-05
490	2.44	1.6596E-06	4.0467E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.50E-11	1,000,000	5.50E-05
491	1.03	1.6596E-06	1.7135E-06	3.46E-04	5.93E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
492	1.35	1.6596E-06	2.2403E-06	3.46E-04	7.76E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
493	1.77	1.6596E-06	2.9453E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.01E-11	1,000,000	4.01E-05
494	2.52	1.6596E-06	4.1891E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.70E-11	1,000,000	5.70E-05
495	3.97	1.6596E-06	6.5929E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.97E-11	1,000,000	8.97E-05
496	17.43	1.6596E-06	2.892E-05	3.46E-04	1.00E-08	0.25	1.57E-01	3.93E-10	1,000,000	3.93E-04
497	13.08	1.6596E-06	2.1715E-05	3.46E-04	7.52E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
498	13.18	1.6596E-06	2.187E-05	3.46E-04	7.57E-09	0.25	1.57E-01	2.97E-10	1,000,000	2.97E-04
499	9.60	1.6596E-06	1.5933E-05	3.46E-04	5.52E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
500	6.23	1.6596E-06	1.0342E-05	3.46E-04	3.58E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
501	4.28	1.6596E-06	7.0953E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.65E-11	1,000,000	9.65E-05
502	3.12	1.6596E-06	5.1723E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.03E-11	1,000,000	7.03E-05
503	2.38	1.6596E-06	3.9547E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.38E-11	1,000,000	5.38E-05
504	0.89	1.6596E-06	1.4702E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
505	1.09	1.6596E-06	1.8094E-06	3.46E-04	6.26E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
506	1.47	1.6596E-06	2.4387E-06	3.46E-04	8.44E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
507	1.93	1.6596E-06	3.197E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05
508	2.84	1.6596E-06	4.719E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.42E-11	1,000,000	6.42E-05
509	4.11	1.6596E-06	6.8161E-06	3.46E-04	2.36E-09	0.25	1.57E-01	9.27E-11	1,000,000	9.27E-05
510	5.82	1.6596E-06	9.6525E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
511	6.92	1.6596E-06	1.1492E-05	3.46E-04	3.98E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
512	7.34	1.6596E-06	1.2188E-05	3.46E-04	4.22E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
513	7.27	1.6596E-06	1.2073E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
514	7.39	1.6596E-06	1.2271E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	7.28	1.6596E-06	1.2089E-05	3.46E-04	4.18E-09	0.25	1.57E-01	1.64E-10	1,000,000	1.64E-04
516	6.85	1.6596E-06	1.1371E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
517	5.72	1.6596E-06	9.4865E-06	3.46E-04	3.28E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
518	4.48	1.6596E-06	7.4346E-06	3.46E-04	2.57E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
519	3.48	1.6596E-06	5.7686E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.84E-11	1,000,000	7.84E-05
520	2.73	1.6596E-06	4.5295E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05
521	2.18	1.6596E-06	3.625E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.93E-11	1,000,000	4.93E-05
522	0.75	1.6596E-06	1.2365E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
523	0.92	1.6596E-06	1.5336E-06	3.46E-04	5.31E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
524	1.16	1.6596E-06	1.931E-06	3.46E-04	6.68E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
525	1.48	1.6596E-06	2.4533E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
526	1.84	1.6596E-06	3.061E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
527	2.60	1.6596E-06	4.3142E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.87E-11	1,000,000	5.87E-05
528	3.28	1.6596E-06	5.451E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.41E-11	1,000,000	7.41E-05
529	3.87	1.6596E-06	6.4219E-06	3.46E-04	2.22E-09	0.25	1.57E-01	8.73E-11	1,000,000	8.73E-05
530	4.34	1.6596E-06	7.1979E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.79E-11	1,000,000	9.79E-05
531	4.57	1.6596E-06	7.5893E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
532	4.67	1.6596E-06	7.7576E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
533	4.71	1.6596E-06	7.8161E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
534	4.22	1.6596E-06	7.0026E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.52E-11	1,000,000	9.52E-05
535	3.79	1.6596E-06	6.2917E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.56E-11	1,000,000	8.56E-05
536	3.27	1.6596E-06	5.4348E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.39E-11	1,000,000	7.39E-05
537	2.77	1.6596E-06	4.5959E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
538	2.30	1.6596E-06	3.8169E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.19E-11	1,000,000	5.19E-05
539	1.92	1.6596E-06	3.1905E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
540	0.63	1.6596E-06	1.0421E-06	3.46E-04	3.61E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
541	0.76	1.6596E-06	1.2556E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
542	0.92	1.6596E-06	1.5224E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
543	1.12	1.6596E-06	1.8627E-06	3.46E-04	6.45E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
544	1.42	1.6596E-06	2.3607E-06	3.46E-04	8.17E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
545	1.72	1.6596E-06	2.8558E-06	3.46E-04	9.89E-10	0.25	1.57E-01	3.88E-11	1,000,000	3.88E-05
546	2.11	1.6596E-06	3.5061E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
547	2.44	1.6596E-06	4.0481E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.51E-11	1,000,000	5.51E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	2.79	1.6596E-06	4.6351E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.30E-11	1,000,000	6.30E-05
549	3.02	1.6596E-06	5.014E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.82E-11	1,000,000	6.82E-05
550	3.22	1.6596E-06	5.3469E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.27E-11	1,000,000	7.27E-05
551	3.51	1.6596E-06	5.8207E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.92E-11	1,000,000	7.92E-05
552	2.94	1.6596E-06	4.8843E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
553	2.66	1.6596E-06	4.4167E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.01E-11	1,000,000	6.01E-05
554	2.39	1.6596E-06	3.9619E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.39E-11	1,000,000	5.39E-05
555	2.24	1.6596E-06	3.7143E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.05E-11	1,000,000	5.05E-05
556	1.93	1.6596E-06	3.2011E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05
557	1.66	1.6596E-06	2.7616E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
558	0.53	1.6596E-06	8.8265E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
559	0.63	1.6596E-06	1.0408E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
560	0.72	1.6596E-06	1.1995E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
561	0.86	1.6596E-06	1.4333E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
562	1.01	1.6596E-06	1.6726E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
563	1.20	1.6596E-06	1.9835E-06	3.46E-04	6.87E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
564	1.45	1.6596E-06	2.4141E-06	3.46E-04	8.36E-10	0.25	1.57E-01	3.28E-11	1,000,000	3.28E-05
565	1.65	1.6596E-06	2.7427E-06	3.46E-04	9.49E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
566	1.92	1.6596E-06	3.1824E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
567	2.09	1.6596E-06	3.4734E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.72E-11	1,000,000	4.72E-05
568	2.27	1.6596E-06	3.7612E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
569	2.13	1.6596E-06	3.5335E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
570	2.01	1.6596E-06	3.3333E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
571	1.95	1.6596E-06	3.2356E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
572	1.87	1.6596E-06	3.1038E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
573	1.71	1.6596E-06	2.8359E-06	3.46E-04	9.82E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
574	1.56	1.6596E-06	2.5951E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
575	1.43	1.6596E-06	2.3662E-06	3.46E-04	8.19E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.6596E-06	1.2851E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.2E-04
2	1.6596E-06	1.4253E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
3	1.6596E-06	1.5827E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
4	1.6596E-06	1.7562E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.77E-10	1,000,000	5.77E-04
5	1.6596E-06	1.9447E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.39E-10	1,000,000	6.39E-04
6	1.6596E-06	2.1427E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
7	1.6596E-06	2.3385E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04
8	1.6596E-06	2.5205E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.28E-10	1,000,000	8.28E-04
9	1.6596E-06	2.6759E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.79E-10	1,000,000	8.79E-04
10	1.6596E-06	2.7859E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.15E-10	1,000,000	9.15E-04
11	1.6596E-06	2.8398E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.33E-10	1,000,000	9.33E-04
12	1.6596E-06	2.8333E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.31E-10	1,000,000	9.31E-04
13	1.6596E-06	2.7678E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.09E-10	1,000,000	9.09E-04
14	1.6596E-06	2.6505E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.71E-10	1,000,000	8.71E-04
15	1.6596E-06	2.4934E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.19E-10	1,000,000	8.19E-04
16	1.6596E-06	2.308E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.58E-10	1,000,000	7.58E-04
17	1.6596E-06	2.1153E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.95E-10	1,000,000	6.95E-04
18	1.6596E-06	1.9215E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.31E-10	1,000,000	6.31E-04
19	1.6596E-06	1.7341E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.70E-10	1,000,000	5.70E-04
20	1.6596E-06	1.5645E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
21	1.6596E-06	1.4102E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
22	1.6596E-06	1.271E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
23	1.6596E-06	1.3948E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.58E-10	1,000,000	4.58E-04
24	1.6596E-06	1.5657E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
25	1.6596E-06	1.7627E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
26	1.6596E-06	1.9875E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.53E-10	1,000,000	6.53E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.6596E-06	2.2387E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
28	1.6596E-06	2.5132E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.26E-10	1,000,000	8.26E-04
29	1.6596E-06	2.7929E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
30	1.6596E-06	3.064E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
31	1.6596E-06	3.2949E-06	1.05E-03	3.44E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
32	1.6596E-06	3.461E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
33	1.6596E-06	3.5402E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
34	1.6596E-06	3.5329E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
35	1.6596E-06	3.4364E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
36	1.6596E-06	3.2637E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
37	1.6596E-06	3.0212E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.92E-10	1,000,000	9.92E-04
38	1.6596E-06	2.7536E-06	1.05E-03	2.88E-09	2.00	1.57E-01	9.05E-10	1,000,000	9.05E-04
39	1.6596E-06	2.4828E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.16E-10	1,000,000	8.16E-04
40	1.6596E-06	2.2159E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
41	1.6596E-06	1.9664E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.46E-10	1,000,000	6.46E-04
42	1.6596E-06	1.7431E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
43	1.6596E-06	1.547E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.08E-10	1,000,000	5.08E-04
44	1.6596E-06	1.385E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.55E-10	1,000,000	4.55E-04
45	1.6596E-06	1.5088E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
46	1.6596E-06	1.7159E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04
47	1.6596E-06	1.9625E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
48	1.6596E-06	2.2545E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.41E-10	1,000,000	7.41E-04
49	1.6596E-06	2.5945E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
50	1.6596E-06	2.9799E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04
51	1.6596E-06	3.3955E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
52	1.6596E-06	3.8088E-06	1.05E-03	3.98E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.6596E-06	4.1754E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
54	1.6596E-06	4.437E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
55	1.6596E-06	4.5644E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
56	1.6596E-06	4.5472E-06	1.05E-03	4.75E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
57	1.6596E-06	4.39E-06	1.05E-03	4.59E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
58	1.6596E-06	4.1266E-06	1.05E-03	4.31E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
59	1.6596E-06	3.7517E-06	1.05E-03	3.92E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
60	1.6596E-06	3.3461E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
61	1.6596E-06	2.9491E-06	1.05E-03	3.08E-09	2.00	1.57E-01	9.69E-10	1,000,000	9.69E-04
62	1.6596E-06	2.5714E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
63	1.6596E-06	2.2364E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
64	1.6596E-06	1.9497E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.40E-10	1,000,000	6.40E-04
65	1.6596E-06	1.7089E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
66	1.6596E-06	1.5068E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.95E-10	1,000,000	4.95E-04
67	1.6596E-06	1.6229E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.33E-10	1,000,000	5.33E-04
68	1.6596E-06	1.8712E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.15E-10	1,000,000	6.15E-04
69	1.6596E-06	2.1773E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.15E-10	1,000,000	7.15E-04
70	1.6596E-06	2.5552E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.39E-10	1,000,000	8.39E-04
71	1.6596E-06	3.019E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.92E-10	1,000,000	9.92E-04
72	1.6596E-06	3.5759E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
73	1.6596E-06	4.2147E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
74	1.6596E-06	4.8812E-06	1.05E-03	5.10E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
75	1.6596E-06	5.4899E-06	1.05E-03	5.74E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
76	1.6596E-06	5.9374E-06	1.05E-03	6.21E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
77	1.6596E-06	6.1539E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
78	1.6596E-06	6.1287E-06	1.05E-03	6.41E-09	2.00	1.57E-01	2.01E-09	1,000,000	2.01E-03
79	1.6596E-06	5.8553E-06	1.05E-03	6.12E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
80	1.6596E-06	5.3957E-06	1.05E-03	5.64E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
81	1.6596E-06	4.8031E-06	1.05E-03	5.02E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
82	1.6596E-06	4.172E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
83	1.6596E-06	3.5518E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
84	1.6596E-06	3.0104E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.89E-10	1,000,000	9.89E-04
85	1.6596E-06	2.5411E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.35E-10	1,000,000	8.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.6596E-06	2.1793E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.16E-10	1,000,000	7.16E-04
87	1.6596E-06	1.878E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
88	1.6596E-06	1.6355E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.37E-10	1,000,000	5.37E-04
89	1.6596E-06	1.7161E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04
90	1.6596E-06	2.024E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.65E-10	1,000,000	6.65E-04
91	1.6596E-06	2.3979E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.88E-10	1,000,000	7.88E-04
92	1.6596E-06	2.882E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.47E-10	1,000,000	9.47E-04
93	1.6596E-06	3.5136E-06	1.05E-03	3.67E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
94	1.6596E-06	4.3307E-06	1.05E-03	4.53E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
95	1.6596E-06	5.3523E-06	1.05E-03	5.59E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
96	1.6596E-06	6.518E-06	1.05E-03	6.81E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
97	1.6596E-06	7.6418E-06	1.05E-03	7.99E-09	2.00	1.57E-01	2.51E-09	1,000,000	2.51E-03
98	1.6596E-06	8.4522E-06	1.05E-03	8.83E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
99	1.6596E-06	8.7978E-06	1.05E-03	9.20E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
100	1.6596E-06	8.7108E-06	1.05E-03	9.10E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
101	1.6596E-06	8.2373E-06	1.05E-03	8.61E-09	2.00	1.57E-01	2.71E-09	1,000,000	2.71E-03
102	1.6596E-06	7.4356E-06	1.05E-03	7.77E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
103	1.6596E-06	6.4118E-06	1.05E-03	6.70E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
104	1.6596E-06	5.3189E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
105	1.6596E-06	4.3454E-06	1.05E-03	4.54E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
106	1.6596E-06	3.543E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
107	1.6596E-06	2.9138E-06	1.05E-03	3.05E-09	2.00	1.57E-01	9.57E-10	1,000,000	9.57E-04
108	1.6596E-06	2.432E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.99E-10	1,000,000	7.99E-04
109	1.6596E-06	2.0588E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
110	1.6596E-06	1.7703E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.82E-10	1,000,000	5.82E-04
111	1.6596E-06	1.7635E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
112	1.6596E-06	2.1213E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
113	1.6596E-06	2.5408E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.35E-10	1,000,000	8.35E-04
114	1.6596E-06	3.1488E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
115	1.6596E-06	4.042E-06	1.05E-03	4.22E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
116	1.6596E-06	5.2624E-06	1.05E-03	5.50E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
117	1.6596E-06	6.9747E-06	1.05E-03	7.29E-09	2.00	1.57E-01	2.29E-09	1,000,000	2.29E-03
118	1.6596E-06	9.2479E-06	1.05E-03	9.67E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.6596E-06	1.1653E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
120	1.6596E-06	1.3315E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.37E-09	1,000,000	4.37E-03
121	1.6596E-06	1.3863E-05	1.05E-03	1.45E-08	2.00	1.57E-01	4.55E-09	1,000,000	4.55E-03
122	1.6596E-06	1.3539E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.45E-09	1,000,000	4.45E-03
123	1.6596E-06	1.2662E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.16E-09	1,000,000	4.16E-03
124	1.6596E-06	1.1168E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.67E-09	1,000,000	3.67E-03
125	1.6596E-06	9.1375E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
126	1.6596E-06	7.0538E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
127	1.6596E-06	5.3949E-06	1.05E-03	5.64E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
128	1.6596E-06	4.1887E-06	1.05E-03	4.38E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
129	1.6596E-06	3.3245E-06	1.05E-03	3.47E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
130	1.6596E-06	2.7096E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.90E-10	1,000,000	8.90E-04
131	1.6596E-06	2.2524E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.40E-10	1,000,000	7.40E-04
132	1.6596E-06	1.9101E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.27E-10	1,000,000	6.27E-04
133	1.6596E-06	1.7476E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.74E-10	1,000,000	5.74E-04
134	1.6596E-06	2.13E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.00E-10	1,000,000	7.00E-04
135	1.6596E-06	2.6222E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.61E-10	1,000,000	8.61E-04
136	1.6596E-06	3.3918E-06	1.05E-03	3.55E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
137	1.6596E-06	4.5615E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
138	1.6596E-06	6.3142E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
139	1.6596E-06	9.244E-06	1.05E-03	9.66E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
140	1.6596E-06	1.4385E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.73E-09	1,000,000	4.73E-03
141	1.6596E-06	2.1394E-05	1.05E-03	2.24E-08	2.00	1.57E-01	7.03E-09	1,000,000	7.03E-03
142	1.6596E-06	2.5657E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.43E-09	1,000,000	8.43E-03
143	1.6596E-06	2.5935E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.52E-09	1,000,000	8.52E-03
144	1.6596E-06	2.4543E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.06E-09	1,000,000	8.06E-03
145	1.6596E-06	2.2922E-05	1.05E-03	2.40E-08	2.00	1.57E-01	7.53E-09	1,000,000	7.53E-03
146	1.6596E-06	1.9867E-05	1.05E-03	2.08E-08	2.00	1.57E-01	6.53E-09	1,000,000	6.53E-03
147	1.6596E-06	1.4686E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.82E-09	1,000,000	4.82E-03
148	1.6596E-06	9.8437E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.23E-09	1,000,000	3.23E-03
149	1.6596E-06	6.8001E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
150	1.6596E-06	4.9432E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
151	1.6596E-06	3.774E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.6596E-06	2.9998E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.85E-10	1,000,000	9.85E-04
153	1.6596E-06	2.4517E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.05E-10	1,000,000	8.05E-04
154	1.6596E-06	2.0509E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.74E-10	1,000,000	6.74E-04
155	1.6596E-06	1.566E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
156	1.6596E-06	1.9496E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.40E-10	1,000,000	6.40E-04
157	1.6596E-06	2.5702E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.44E-10	1,000,000	8.44E-04
158	1.6596E-06	3.349E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
159	1.6596E-06	4.7336E-06	1.05E-03	4.95E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
160	1.6596E-06	6.9847E-06	1.05E-03	7.30E-09	2.00	1.57E-01	2.29E-09	1,000,000	2.29E-03
161	1.6596E-06	1.1635E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
162	1.6596E-06	2.4598E-05	1.05E-03	2.57E-08	2.00	1.57E-01	8.08E-09	1,000,000	8.08E-03
163	1.6596E-06	7.842E-05	1.05E-03	8.20E-08	2.00	1.57E-01	2.58E-08	1,000,000	2.58E-02
164	1.6596E-06	9.6649E-05	1.05E-03	1.01E-07	2.00	1.57E-01	3.17E-08	1,000,000	3.17E-02
165	1.6596E-06	8.652E-05	1.05E-03	9.04E-08	2.00	1.57E-01	2.84E-08	1,000,000	2.84E-02
166	1.6596E-06	6.8373E-05	1.05E-03	7.15E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02
167	1.6596E-06	6.5971E-05	1.05E-03	6.90E-08	2.00	1.57E-01	2.17E-08	1,000,000	2.17E-02
168	1.6596E-06	6.0411E-05	1.05E-03	6.31E-08	2.00	1.57E-01	1.98E-08	1,000,000	1.98E-02
169	1.6596E-06	3.1013E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
170	1.6596E-06	1.4429E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
171	1.6596E-06	8.4979E-06	1.05E-03	8.88E-09	2.00	1.57E-01	2.79E-09	1,000,000	2.79E-03
172	1.6596E-06	5.7742E-06	1.05E-03	6.04E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
173	1.6596E-06	4.2402E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
174	1.6596E-06	3.2861E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
175	1.6596E-06	2.6459E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.69E-10	1,000,000	8.69E-04
176	1.6596E-06	2.1876E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.19E-10	1,000,000	7.19E-04
177	1.6596E-06	1.4694E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
178	1.6596E-06	1.8549E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.09E-10	1,000,000	6.09E-04
179	1.6596E-06	2.455E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
180	1.6596E-06	3.3456E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
181	1.6596E-06	4.7021E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
182	1.6596E-06	7.1026E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
183	1.6596E-06	1.2588E-05	1.05E-03	1.32E-08	2.00	1.57E-01	4.14E-09	1,000,000	4.14E-03
184	1.6596E-06	6.8516E-05	1.05E-03	7.16E-08	2.00	1.57E-01	2.25E-08	1,000,000	2.25E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.6596E-06	1.8747E-05	1.05E-03	1.96E-08	2.00	1.57E-01	6.16E-09	1,000,000	6.16E-03
186	1.6596E-06	9.8918E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.25E-09	1,000,000	3.25E-03
187	1.6596E-06	6.3971E-06	1.05E-03	6.69E-09	2.00	1.57E-01	2.10E-09	1,000,000	2.10E-03
188	1.6596E-06	4.587E-06	1.05E-03	4.79E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
189	1.6596E-06	3.5055E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
190	1.6596E-06	2.7928E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
191	1.6596E-06	2.2921E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.53E-10	1,000,000	7.53E-04
192	1.6596E-06	1.3223E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.34E-10	1,000,000	4.34E-04
193	1.6596E-06	1.644E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
194	1.6596E-06	2.1516E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
195	1.6596E-06	2.875E-06	1.05E-03	3.01E-09	2.00	1.57E-01	9.44E-10	1,000,000	9.44E-04
196	1.6596E-06	4.1037E-06	1.05E-03	4.29E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
197	1.6596E-06	6.0146E-06	1.05E-03	6.29E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
198	1.6596E-06	1.0496E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03
199	1.6596E-06	3.4825E-05	1.05E-03	3.64E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
200	1.6596E-06	3.2939E-05	1.05E-03	3.44E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
201	1.6596E-06	1.5821E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.20E-09	1,000,000	5.20E-03
202	1.6596E-06	9.3739E-06	1.05E-03	9.80E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
203	1.6596E-06	6.3342E-06	1.05E-03	6.62E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
204	1.6596E-06	4.6253E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
205	1.6596E-06	3.5605E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
206	1.6596E-06	2.8454E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
207	1.6596E-06	2.3396E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
208	1.6596E-06	1.1732E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.85E-10	1,000,000	3.85E-04
209	1.6596E-06	1.4418E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
210	1.6596E-06	1.7576E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.77E-10	1,000,000	5.77E-04
211	1.6596E-06	2.3401E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
212	1.6596E-06	3.142E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
213	1.6596E-06	4.531E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
214	1.6596E-06	7.1205E-06	1.05E-03	7.44E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
215	1.6596E-06	1.1523E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
216	1.6596E-06	1.733E-05	1.05E-03	1.81E-08	2.00	1.57E-01	5.69E-09	1,000,000	5.69E-03
217	1.6596E-06	1.6942E-05	1.05E-03	1.77E-08	2.00	1.57E-01	5.57E-09	1,000,000	5.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.6596E-06	1.5772E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.18E-09	1,000,000	5.18E-03
219	1.6596E-06	1.3693E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
220	1.6596E-06	1.0283E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.38E-09	1,000,000	3.38E-03
221	1.6596E-06	7.493E-06	1.05E-03	7.83E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
222	1.6596E-06	5.5823E-06	1.05E-03	5.83E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
223	1.6596E-06	4.2958E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
224	1.6596E-06	3.4073E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
225	1.6596E-06	2.7724E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.11E-10	1,000,000	9.11E-04
226	1.6596E-06	2.3057E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.57E-10	1,000,000	7.57E-04
227	1.6596E-06	1.0264E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
228	1.6596E-06	1.2267E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
229	1.6596E-06	1.4913E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.90E-10	1,000,000	4.90E-04
230	1.6596E-06	1.8787E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
231	1.6596E-06	2.439E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.01E-10	1,000,000	8.01E-04
232	1.6596E-06	3.1735E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
233	1.6596E-06	4.5716E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
234	1.6596E-06	6.2121E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
235	1.6596E-06	7.9444E-06	1.05E-03	8.30E-09	2.00	1.57E-01	2.61E-09	1,000,000	2.61E-03
236	1.6596E-06	8.9309E-06	1.05E-03	9.33E-09	2.00	1.57E-01	2.93E-09	1,000,000	2.93E-03
237	1.6596E-06	9.413E-06	1.05E-03	9.84E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
238	1.6596E-06	9.642E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
239	1.6596E-06	9.6935E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
240	1.6596E-06	9.1276E-06	1.05E-03	9.54E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
241	1.6596E-06	8.377E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
242	1.6596E-06	6.8238E-06	1.05E-03	7.13E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
243	1.6596E-06	5.709E-06	1.05E-03	5.97E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
244	1.6596E-06	4.6248E-06	1.05E-03	4.83E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
245	1.6596E-06	3.765E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
246	1.6596E-06	3.1032E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
247	1.6596E-06	2.5932E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
248	1.6596E-06	2.1969E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
249	1.6596E-06	9.0011E-07	1.05E-03	9.41E-10	2.00	1.57E-01	2.96E-10	1,000,000	2.96E-04
250	1.6596E-06	1.0503E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.6596E-06	1.2403E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.07E-10	1,000,000	4.07E-04
252	1.6596E-06	1.5241E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
253	1.6596E-06	1.8783E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
254	1.6596E-06	2.4471E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.04E-10	1,000,000	8.04E-04
255	1.6596E-06	3.0792E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
256	1.6596E-06	4.048E-06	1.05E-03	4.23E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
257	1.6596E-06	4.7497E-06	1.05E-03	4.96E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
258	1.6596E-06	5.3038E-06	1.05E-03	5.54E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
259	1.6596E-06	5.9211E-06	1.05E-03	6.19E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
260	1.6596E-06	6.3344E-06	1.05E-03	6.62E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
261	1.6596E-06	6.4498E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
262	1.6596E-06	6.094E-06	1.05E-03	6.37E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
263	1.6596E-06	5.521E-06	1.05E-03	5.77E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
264	1.6596E-06	4.9034E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
265	1.6596E-06	4.4389E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
266	1.6596E-06	3.7952E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
267	1.6596E-06	3.2194E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
268	1.6596E-06	2.7451E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.02E-10	1,000,000	9.02E-04
269	1.6596E-06	2.3562E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.74E-10	1,000,000	7.74E-04
270	1.6596E-06	2.0376E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
271	1.6596E-06	7.7222E-07	1.05E-03	8.07E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
272	1.6596E-06	8.8359E-07	1.05E-03	9.24E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
273	1.6596E-06	1.0334E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.39E-10	1,000,000	3.39E-04
274	1.6596E-06	1.2199E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.01E-10	1,000,000	4.01E-04
275	1.6596E-06	1.4598E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.80E-10	1,000,000	4.80E-04
276	1.6596E-06	1.796E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
277	1.6596E-06	2.1923E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.20E-10	1,000,000	7.20E-04
278	1.6596E-06	2.6001E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.54E-10	1,000,000	8.54E-04
279	1.6596E-06	3.0895E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
280	1.6596E-06	3.5322E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
281	1.6596E-06	3.9793E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
282	1.6596E-06	4.3523E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
283	1.6596E-06	4.4508E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.6596E-06	4.0445E-06	1.05E-03	4.23E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
285	1.6596E-06	3.9106E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
286	1.6596E-06	3.6313E-06	1.05E-03	3.80E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
287	1.6596E-06	3.3059E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
288	1.6596E-06	3.027E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.94E-10	1,000,000	9.94E-04
289	1.6596E-06	2.7114E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.91E-10	1,000,000	8.91E-04
290	1.6596E-06	2.4052E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.90E-10	1,000,000	7.90E-04
291	1.6596E-06	2.1176E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.96E-10	1,000,000	6.96E-04
292	1.6596E-06	1.8573E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.10E-10	1,000,000	6.10E-04
293	1.6596E-06	6.676E-07	1.05E-03	6.98E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
294	1.6596E-06	7.5752E-07	1.05E-03	7.92E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
295	1.6596E-06	8.6492E-07	1.05E-03	9.04E-10	2.00	1.57E-01	2.84E-10	1,000,000	2.84E-04
296	1.6596E-06	9.8787E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
297	1.6596E-06	1.1665E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
298	1.6596E-06	1.3709E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
299	1.6596E-06	1.6167E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
300	1.6596E-06	1.9361E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.36E-10	1,000,000	6.36E-04
301	1.6596E-06	2.1579E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
302	1.6596E-06	2.5068E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.23E-10	1,000,000	8.23E-04
303	1.6596E-06	2.8031E-06	1.05E-03	2.93E-09	2.00	1.57E-01	9.21E-10	1,000,000	9.21E-04
304	1.6596E-06	3.1049E-06	1.05E-03	3.25E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
305	1.6596E-06	3.1541E-06	1.05E-03	3.30E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
306	1.6596E-06	2.9618E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
307	1.6596E-06	2.8434E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.34E-10	1,000,000	9.34E-04
308	1.6596E-06	2.6776E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.80E-10	1,000,000	8.80E-04
309	1.6596E-06	2.6711E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.77E-10	1,000,000	8.77E-04
310	1.6596E-06	2.4458E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.03E-10	1,000,000	8.03E-04
311	1.6596E-06	2.2496E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.39E-10	1,000,000	7.39E-04
312	1.6596E-06	2.0805E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.83E-10	1,000,000	6.83E-04
313	1.6596E-06	1.8842E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
314	1.6596E-06	1.7101E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.62E-10	1,000,000	5.62E-04
315	1.6596E-06	5.6753E-07	1.05E-03	5.93E-10	2.00	1.57E-01	1.86E-10	1,000,000	1.86E-04
316	1.6596E-06	6.3881E-07	1.05E-03	6.68E-10	2.00	1.57E-01	2.10E-10	1,000,000	2.10E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.6596E-06	7.1896E-07	1.05E-03	7.51E-10	2.00	1.57E-01	2.36E-10	1,000,000	2.36E-04
318	1.6596E-06	8.0956E-07	1.05E-03	8.46E-10	2.00	1.57E-01	2.66E-10	1,000,000	2.66E-04
319	1.6596E-06	9.0867E-07	1.05E-03	9.50E-10	2.00	1.57E-01	2.98E-10	1,000,000	2.98E-04
320	1.6596E-06	1.0882E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.57E-10	1,000,000	3.57E-04
321	1.6596E-06	1.2358E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
322	1.6596E-06	1.4215E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
323	1.6596E-06	1.65E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.42E-10	1,000,000	5.42E-04
324	1.6596E-06	1.8543E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.09E-10	1,000,000	6.09E-04
325	1.6596E-06	2.0578E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
326	1.6596E-06	2.2609E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.43E-10	1,000,000	7.43E-04
327	1.6596E-06	2.6671E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
328	1.6596E-06	2.1957E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.21E-10	1,000,000	7.21E-04
329	1.6596E-06	2.124E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.98E-10	1,000,000	6.98E-04
330	1.6596E-06	2.0844E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.85E-10	1,000,000	6.85E-04
331	1.6596E-06	2.0353E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
332	1.6596E-06	1.973E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.48E-10	1,000,000	6.48E-04
333	1.6596E-06	1.8519E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.08E-10	1,000,000	6.08E-04
334	1.6596E-06	1.763E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
335	1.6596E-06	1.6409E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.39E-10	1,000,000	5.39E-04
336	1.6596E-06	1.5255E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
337	1.6596E-06	4.964E-07	1.05E-03	5.19E-10	2.00	1.57E-01	1.63E-10	1,000,000	1.63E-04
338	1.6596E-06	5.4881E-07	1.05E-03	5.74E-10	2.00	1.57E-01	1.80E-10	1,000,000	1.80E-04
339	1.6596E-06	6.0225E-07	1.05E-03	6.29E-10	2.00	1.57E-01	1.98E-10	1,000,000	1.98E-04
340	1.6596E-06	6.8053E-07	1.05E-03	7.11E-10	2.00	1.57E-01	2.24E-10	1,000,000	2.24E-04
341	1.6596E-06	7.544E-07	1.05E-03	7.88E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
342	1.6596E-06	8.8107E-07	1.05E-03	9.21E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
343	1.6596E-06	9.7844E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
344	1.6596E-06	1.1139E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.66E-10	1,000,000	3.66E-04
345	1.6596E-06	1.2597E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
346	1.6596E-06	1.4353E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
347	1.6596E-06	1.5521E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
348	1.6596E-06	1.6727E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
349	1.6596E-06	1.5833E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.6596E-06	1.6007E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
351	1.6596E-06	1.6084E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
352	1.6596E-06	1.5459E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.08E-10	1,000,000	5.08E-04
353	1.6596E-06	1.5927E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
354	1.6596E-06	1.5448E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
355	1.6596E-06	1.5178E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
356	1.6596E-06	1.479E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
357	1.6596E-06	1.4082E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
358	1.6596E-06	1.3277E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.36E-10	1,000,000	4.36E-04
359	1.6596E-06	4.2772E-07	1.05E-03	4.47E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
360	1.6596E-06	4.72E-07	1.05E-03	4.93E-10	2.00	1.57E-01	1.55E-10	1,000,000	1.55E-04
361	1.6596E-06	5.1776E-07	1.05E-03	5.41E-10	2.00	1.57E-01	1.70E-10	1,000,000	1.70E-04
362	1.6596E-06	5.6993E-07	1.05E-03	5.96E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
363	1.6596E-06	6.2369E-07	1.05E-03	6.52E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
364	1.6596E-06	7.0559E-07	1.05E-03	7.37E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
365	1.6596E-06	7.9477E-07	1.05E-03	8.31E-10	2.00	1.57E-01	2.61E-10	1,000,000	2.61E-04
366	1.6596E-06	8.9745E-07	1.05E-03	9.38E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
367	1.6596E-06	1.0233E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
368	1.6596E-06	1.1211E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.68E-10	1,000,000	3.68E-04
369	1.6596E-06	1.184E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.89E-10	1,000,000	3.89E-04
370	1.6596E-06	1.208E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
371	1.6596E-06	1.2513E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.11E-10	1,000,000	4.11E-04
372	1.6596E-06	1.2639E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
373	1.6596E-06	1.2346E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
374	1.6596E-06	1.1999E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
375	1.6596E-06	1.2334E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.05E-10	1,000,000	4.05E-04
376	1.6596E-06	1.2162E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.99E-10	1,000,000	3.99E-04
377	1.6596E-06	1.2159E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.99E-10	1,000,000	3.99E-04
378	1.6596E-06	1.2452E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
379	1.6596E-06	1.2139E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.99E-10	1,000,000	3.99E-04
380	1.6596E-06	1.1505E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
381	1.6596E-06	1.9245E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.32E-10	1,000,000	6.32E-04
382	1.6596E-06	2.2271E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.32E-10	1,000,000	7.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.6596E-06	2.5912E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.51E-10	1,000,000	8.51E-04
384	1.6596E-06	3.0216E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.93E-10	1,000,000	9.93E-04
385	1.6596E-06	3.5131E-06	1.05E-03	3.67E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
386	1.6596E-06	4.0364E-06	1.05E-03	4.22E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
387	1.6596E-06	4.5356E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
388	1.6596E-06	4.9478E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
389	1.6596E-06	5.2058E-06	1.05E-03	5.44E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
390	1.6596E-06	5.278E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
391	1.6596E-06	5.1609E-06	1.05E-03	5.39E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
392	1.6596E-06	4.8783E-06	1.05E-03	5.10E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
393	1.6596E-06	4.4653E-06	1.05E-03	4.67E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
394	1.6596E-06	3.9821E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
395	1.6596E-06	3.4701E-06	1.05E-03	3.63E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
396	1.6596E-06	2.992E-06	1.05E-03	3.13E-09	2.00	1.57E-01	9.83E-10	1,000,000	9.83E-04
397	1.6596E-06	2.5715E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
398	1.6596E-06	2.2132E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.27E-10	1,000,000	7.27E-04
399	1.6596E-06	2.1083E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.93E-10	1,000,000	6.93E-04
400	1.6596E-06	2.4894E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.18E-10	1,000,000	8.18E-04
401	1.6596E-06	2.9719E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.76E-10	1,000,000	9.76E-04
402	1.6596E-06	3.5781E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
403	1.6596E-06	4.3181E-06	1.05E-03	4.51E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
404	1.6596E-06	5.1615E-06	1.05E-03	5.39E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
405	1.6596E-06	6.0206E-06	1.05E-03	6.29E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
406	1.6596E-06	6.7437E-06	1.05E-03	7.05E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
407	1.6596E-06	7.1871E-06	1.05E-03	7.51E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
408	1.6596E-06	7.3075E-06	1.05E-03	7.64E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
409	1.6596E-06	7.1007E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
410	1.6596E-06	6.6064E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
411	1.6596E-06	5.9128E-06	1.05E-03	6.18E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
412	1.6596E-06	5.1081E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
413	1.6596E-06	4.2921E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
414	1.6596E-06	3.5724E-06	1.05E-03	3.73E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
415	1.6596E-06	2.975E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.77E-10	1,000,000	9.77E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.6596E-06	2.49E-06	1.05E-03	2.60E-09	2.00	1.57E-01	8.18E-10	1,000,000	8.18E-04
417	1.6596E-06	2.2588E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.42E-10	1,000,000	7.42E-04
418	1.6596E-06	2.7442E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.01E-10	1,000,000	9.01E-04
419	1.6596E-06	3.3876E-06	1.05E-03	3.54E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
420	1.6596E-06	4.2413E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
421	1.6596E-06	5.3898E-06	1.05E-03	5.63E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
422	1.6596E-06	6.8666E-06	1.05E-03	7.18E-09	2.00	1.57E-01	2.26E-09	1,000,000	2.26E-03
423	1.6596E-06	8.5231E-06	1.05E-03	8.91E-09	2.00	1.57E-01	2.80E-09	1,000,000	2.80E-03
424	1.6596E-06	9.945E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
425	1.6596E-06	1.0726E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.52E-09	1,000,000	3.52E-03
426	1.6596E-06	1.0866E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
427	1.6596E-06	1.0444E-05	1.05E-03	1.09E-08	2.00	1.57E-01	3.43E-09	1,000,000	3.43E-03
428	1.6596E-06	9.5868E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03
429	1.6596E-06	8.3122E-06	1.05E-03	8.69E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
430	1.6596E-06	6.8166E-06	1.05E-03	7.12E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
431	1.6596E-06	5.4229E-06	1.05E-03	5.67E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
432	1.6596E-06	4.299E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
433	1.6596E-06	3.4601E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
434	1.6596E-06	2.8192E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.26E-10	1,000,000	9.26E-04
435	1.6596E-06	2.3232E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.63E-10	1,000,000	7.63E-04
436	1.6596E-06	2.9134E-06	1.05E-03	3.05E-09	2.00	1.57E-01	9.57E-10	1,000,000	9.57E-04
437	1.6596E-06	3.7597E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
438	1.6596E-06	4.9807E-06	1.05E-03	5.21E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
439	1.6596E-06	6.7827E-06	1.05E-03	7.09E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
440	1.6596E-06	9.5559E-06	1.05E-03	9.99E-09	2.00	1.57E-01	3.14E-09	1,000,000	3.14E-03
441	1.6596E-06	1.3346E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03
442	1.6596E-06	1.6795E-05	1.05E-03	1.76E-08	2.00	1.57E-01	5.52E-09	1,000,000	5.52E-03
443	1.6596E-06	1.8305E-05	1.05E-03	1.91E-08	2.00	1.57E-01	6.01E-09	1,000,000	6.01E-03
444	1.6596E-06	1.8158E-05	1.05E-03	1.90E-08	2.00	1.57E-01	5.96E-09	1,000,000	5.96E-03
445	1.6596E-06	1.7247E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.67E-09	1,000,000	5.67E-03
446	1.6596E-06	1.5665E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.15E-09	1,000,000	5.15E-03
447	1.6596E-06	1.299E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.27E-09	1,000,000	4.27E-03
448	1.6596E-06	9.7116E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.19E-09	1,000,000	3.19E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.6596E-06	7.0511E-06	1.05E-03	7.37E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
450	1.6596E-06	5.2293E-06	1.05E-03	5.47E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
451	1.6596E-06	3.9918E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
452	1.6596E-06	3.1669E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
453	1.6596E-06	2.304E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.57E-10	1,000,000	7.57E-04
454	1.6596E-06	2.9633E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
455	1.6596E-06	3.9986E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
456	1.6596E-06	5.5853E-06	1.05E-03	5.84E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
457	1.6596E-06	8.3265E-06	1.05E-03	8.70E-09	2.00	1.57E-01	2.74E-09	1,000,000	2.74E-03
458	1.6596E-06	1.3794E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.53E-09	1,000,000	4.53E-03
459	1.6596E-06	2.596E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.53E-09	1,000,000	8.53E-03
460	1.6596E-06	3.9927E-05	1.05E-03	4.17E-08	2.00	1.57E-01	1.31E-08	1,000,000	1.31E-02
461	1.6596E-06	4.2384E-05	1.05E-03	4.43E-08	2.00	1.57E-01	1.39E-08	1,000,000	1.39E-02
462	1.6596E-06	3.8709E-05	1.05E-03	4.05E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
463	1.6596E-06	3.6151E-05	1.05E-03	3.78E-08	2.00	1.57E-01	1.19E-08	1,000,000	1.19E-02
464	1.6596E-06	3.349E-05	1.05E-03	3.50E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
465	1.6596E-06	2.589E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.50E-09	1,000,000	8.50E-03
466	1.6596E-06	1.5407E-05	1.05E-03	1.61E-08	2.00	1.57E-01	5.06E-09	1,000,000	5.06E-03
467	1.6596E-06	9.4034E-06	1.05E-03	9.83E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
468	1.6596E-06	6.3346E-06	1.05E-03	6.62E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
469	1.6596E-06	4.6062E-06	1.05E-03	4.81E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
470	1.6596E-06	3.5348E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
471	1.6596E-06	2.1369E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.02E-10	1,000,000	7.02E-04
472	1.6596E-06	2.8429E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.34E-10	1,000,000	9.34E-04
473	1.6596E-06	3.9466E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
474	1.6596E-06	5.7094E-06	1.05E-03	5.97E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
475	1.6596E-06	9.1337E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
476	1.6596E-06	2.6737E-05	1.05E-03	2.79E-08	2.00	1.57E-01	8.78E-09	1,000,000	8.78E-03
477	1.6596E-06	1.2189E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
478	1.6596E-06	7.47E-06	1.05E-03	7.81E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
479	1.6596E-06	5.1833E-06	1.05E-03	5.42E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
480	1.6596E-06	3.8678E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
481	1.6596E-06	1.9586E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.43E-10	1,000,000	6.43E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.6596E-06	2.6293E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.64E-10	1,000,000	8.64E-04
483	1.6596E-06	3.515E-06	1.05E-03	3.67E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
484	1.6596E-06	5.1047E-06	1.05E-03	5.34E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
485	1.6596E-06	8.6697E-06	1.05E-03	9.06E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
486	1.6596E-06	2.8973E-05	1.05E-03	3.03E-08	2.00	1.57E-01	9.52E-09	1,000,000	9.52E-03
487	1.6596E-06	1.3029E-05	1.05E-03	1.36E-08	2.00	1.57E-01	4.28E-09	1,000,000	4.28E-03
488	1.6596E-06	7.8768E-06	1.05E-03	8.23E-09	2.00	1.57E-01	2.59E-09	1,000,000	2.59E-03
489	1.6596E-06	5.442E-06	1.05E-03	5.69E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
490	1.6596E-06	4.0467E-06	1.05E-03	4.23E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
491	1.6596E-06	1.7135E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.63E-10	1,000,000	5.63E-04
492	1.6596E-06	2.2403E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.36E-10	1,000,000	7.36E-04
493	1.6596E-06	2.9453E-06	1.05E-03	3.08E-09	2.00	1.57E-01	9.67E-10	1,000,000	9.67E-04
494	1.6596E-06	4.1891E-06	1.05E-03	4.38E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
495	1.6596E-06	6.5929E-06	1.05E-03	6.89E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
496	1.6596E-06	2.892E-05	1.05E-03	3.02E-08	2.00	1.57E-01	9.50E-09	1,000,000	9.50E-03
497	1.6596E-06	2.1715E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.13E-09	1,000,000	7.13E-03
498	1.6596E-06	2.187E-05	1.05E-03	2.29E-08	2.00	1.57E-01	7.18E-09	1,000,000	7.18E-03
499	1.6596E-06	1.5933E-05	1.05E-03	1.67E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
500	1.6596E-06	1.0342E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.40E-09	1,000,000	3.40E-03
501	1.6596E-06	7.0953E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
502	1.6596E-06	5.1723E-06	1.05E-03	5.41E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
503	1.6596E-06	3.9547E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
504	1.6596E-06	1.4702E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
505	1.6596E-06	1.8094E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.94E-10	1,000,000	5.94E-04
506	1.6596E-06	2.4387E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.01E-10	1,000,000	8.01E-04
507	1.6596E-06	3.197E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
508	1.6596E-06	4.719E-06	1.05E-03	4.93E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
509	1.6596E-06	6.8161E-06	1.05E-03	7.12E-09	2.00	1.57E-01	2.24E-09	1,000,000	2.24E-03
510	1.6596E-06	9.6525E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
511	1.6596E-06	1.1492E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
512	1.6596E-06	1.2188E-05	1.05E-03	1.27E-08	2.00	1.57E-01	4.00E-09	1,000,000	4.00E-03
513	1.6596E-06	1.2073E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
514	1.6596E-06	1.2271E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.03E-09	1,000,000	4.03E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.6596E-06	1.2089E-05	1.05E-03	1.26E-08	2.00	1.57E-01	3.97E-09	1,000,000	3.97E-03
516	1.6596E-06	1.1371E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03
517	1.6596E-06	9.4865E-06	1.05E-03	9.92E-09	2.00	1.57E-01	3.12E-09	1,000,000	3.12E-03
518	1.6596E-06	7.4346E-06	1.05E-03	7.77E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
519	1.6596E-06	5.7686E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
520	1.6596E-06	4.5295E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
521	1.6596E-06	3.625E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
522	1.6596E-06	1.2365E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
523	1.6596E-06	1.5336E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.04E-10	1,000,000	5.04E-04
524	1.6596E-06	1.931E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.34E-10	1,000,000	6.34E-04
525	1.6596E-06	2.4533E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
526	1.6596E-06	3.061E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
527	1.6596E-06	4.3142E-06	1.05E-03	4.51E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
528	1.6596E-06	5.451E-06	1.05E-03	5.70E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
529	1.6596E-06	6.4219E-06	1.05E-03	6.71E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03
530	1.6596E-06	7.1979E-06	1.05E-03	7.52E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
531	1.6596E-06	7.5893E-06	1.05E-03	7.93E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
532	1.6596E-06	7.7576E-06	1.05E-03	8.11E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
533	1.6596E-06	7.8161E-06	1.05E-03	8.17E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
534	1.6596E-06	7.0026E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
535	1.6596E-06	6.2917E-06	1.05E-03	6.58E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
536	1.6596E-06	5.4348E-06	1.05E-03	5.68E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
537	1.6596E-06	4.5959E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
538	1.6596E-06	3.8169E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
539	1.6596E-06	3.1905E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
540	1.6596E-06	1.0421E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
541	1.6596E-06	1.2556E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
542	1.6596E-06	1.5224E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
543	1.6596E-06	1.8627E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.12E-10	1,000,000	6.12E-04
544	1.6596E-06	2.3607E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.75E-10	1,000,000	7.75E-04
545	1.6596E-06	2.8558E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.38E-10	1,000,000	9.38E-04
546	1.6596E-06	3.5061E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
547	1.6596E-06	4.0481E-06	1.05E-03	4.23E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.6596E-06	4.6351E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
549	1.6596E-06	5.014E-06	1.05E-03	5.24E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
550	1.6596E-06	5.3469E-06	1.05E-03	5.59E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
551	1.6596E-06	5.8207E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
552	1.6596E-06	4.8843E-06	1.05E-03	5.11E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
553	1.6596E-06	4.4167E-06	1.05E-03	4.62E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
554	1.6596E-06	3.9619E-06	1.05E-03	4.14E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
555	1.6596E-06	3.7143E-06	1.05E-03	3.88E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
556	1.6596E-06	3.2011E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
557	1.6596E-06	2.7616E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
558	1.6596E-06	8.8265E-07	1.05E-03	9.23E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
559	1.6596E-06	1.0408E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
560	1.6596E-06	1.1995E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
561	1.6596E-06	1.4333E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
562	1.6596E-06	1.6726E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
563	1.6596E-06	1.9835E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.52E-10	1,000,000	6.52E-04
564	1.6596E-06	2.4141E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.93E-10	1,000,000	7.93E-04
565	1.6596E-06	2.7427E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.01E-10	1,000,000	9.01E-04
566	1.6596E-06	3.1824E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
567	1.6596E-06	3.4734E-06	1.05E-03	3.63E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
568	1.6596E-06	3.7612E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
569	1.6596E-06	3.5335E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
570	1.6596E-06	3.3333E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
571	1.6596E-06	3.2356E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
572	1.6596E-06	3.1038E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
573	1.6596E-06	2.8359E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.32E-10	1,000,000	9.32E-04
574	1.6596E-06	2.5951E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
575	1.6596E-06	2.3662E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.77E-10	1,000,000	7.77E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.6596E-06	1.2851E-06	6.05E-04	7.78E-10	14.00	4.71E-02	5.13E-10	1,000,000	5.1E-04
2	1.6596E-06	1.4253E-06	6.05E-04	8.62E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
3	1.6596E-06	1.5827E-06	6.05E-04	9.58E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04
4	1.6596E-06	1.7562E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.01E-10	1,000,000	7.01E-04
5	1.6596E-06	1.9447E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.77E-10	1,000,000	7.77E-04
6	1.6596E-06	2.1427E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.56E-10	1,000,000	8.56E-04
7	1.6596E-06	2.3385E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
8	1.6596E-06	2.5205E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
9	1.6596E-06	2.6759E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
10	1.6596E-06	2.7859E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
11	1.6596E-06	2.8398E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
12	1.6596E-06	2.8333E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
13	1.6596E-06	2.7678E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
14	1.6596E-06	2.6505E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
15	1.6596E-06	2.4934E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.96E-10	1,000,000	9.96E-04
16	1.6596E-06	2.308E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.22E-10	1,000,000	9.22E-04
17	1.6596E-06	2.1153E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.45E-10	1,000,000	8.45E-04
18	1.6596E-06	1.9215E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.67E-10	1,000,000	7.67E-04
19	1.6596E-06	1.7341E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.93E-10	1,000,000	6.93E-04
20	1.6596E-06	1.5645E-06	6.05E-04	9.47E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
21	1.6596E-06	1.4102E-06	6.05E-04	8.53E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
22	1.6596E-06	1.271E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
23	1.6596E-06	1.3948E-06	6.05E-04	8.44E-10	14.00	4.71E-02	5.57E-10	1,000,000	5.57E-04
24	1.6596E-06	1.5657E-06	6.05E-04	9.47E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
25	1.6596E-06	1.7627E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
26	1.6596E-06	1.9875E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.94E-10	1,000,000	7.94E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.6596E-06	2.2387E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
28	1.6596E-06	2.5132E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
29	1.6596E-06	2.7929E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
30	1.6596E-06	3.064E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
31	1.6596E-06	3.2949E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
32	1.6596E-06	3.461E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
33	1.6596E-06	3.5402E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
34	1.6596E-06	3.5329E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
35	1.6596E-06	3.4364E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
36	1.6596E-06	3.2637E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
37	1.6596E-06	3.0212E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
38	1.6596E-06	2.7536E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
39	1.6596E-06	2.4828E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.91E-10	1,000,000	9.91E-04
40	1.6596E-06	2.2159E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
41	1.6596E-06	1.9664E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.85E-10	1,000,000	7.85E-04
42	1.6596E-06	1.7431E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04
43	1.6596E-06	1.547E-06	6.05E-04	9.36E-10	14.00	4.71E-02	6.18E-10	1,000,000	6.18E-04
44	1.6596E-06	1.385E-06	6.05E-04	8.38E-10	14.00	4.71E-02	5.53E-10	1,000,000	5.53E-04
45	1.6596E-06	1.5088E-06	6.05E-04	9.13E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
46	1.6596E-06	1.7159E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
47	1.6596E-06	1.9625E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.84E-10	1,000,000	7.84E-04
48	1.6596E-06	2.2545E-06	6.05E-04	1.36E-09	14.00	4.71E-02	9.00E-10	1,000,000	9.00E-04
49	1.6596E-06	2.5945E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
50	1.6596E-06	2.9799E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
51	1.6596E-06	3.3955E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
52	1.6596E-06	3.8088E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.6596E-06	4.1754E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
54	1.6596E-06	4.437E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
55	1.6596E-06	4.5644E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
56	1.6596E-06	4.5472E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
57	1.6596E-06	4.39E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
58	1.6596E-06	4.1266E-06	6.05E-04	2.50E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
59	1.6596E-06	3.7517E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
60	1.6596E-06	3.3461E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
61	1.6596E-06	2.9491E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
62	1.6596E-06	2.5714E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
63	1.6596E-06	2.2364E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.93E-10	1,000,000	8.93E-04
64	1.6596E-06	1.9497E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.79E-10	1,000,000	7.79E-04
65	1.6596E-06	1.7089E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.82E-10	1,000,000	6.82E-04
66	1.6596E-06	1.5068E-06	6.05E-04	9.12E-10	14.00	4.71E-02	6.02E-10	1,000,000	6.02E-04
67	1.6596E-06	1.6229E-06	6.05E-04	9.82E-10	14.00	4.71E-02	6.48E-10	1,000,000	6.48E-04
68	1.6596E-06	1.8712E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.47E-10	1,000,000	7.47E-04
69	1.6596E-06	2.1773E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
70	1.6596E-06	2.5552E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
71	1.6596E-06	3.019E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
72	1.6596E-06	3.5759E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
73	1.6596E-06	4.2147E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
74	1.6596E-06	4.8812E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
75	1.6596E-06	5.4899E-06	6.05E-04	3.32E-09	14.00	4.71E-02	2.19E-09	1,000,000	2.19E-03
76	1.6596E-06	5.9374E-06	6.05E-04	3.59E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
77	1.6596E-06	6.1539E-06	6.05E-04	3.72E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
78	1.6596E-06	6.1287E-06	6.05E-04	3.71E-09	14.00	4.71E-02	2.45E-09	1,000,000	2.45E-03
79	1.6596E-06	5.8553E-06	6.05E-04	3.54E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
80	1.6596E-06	5.3957E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
81	1.6596E-06	4.8031E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
82	1.6596E-06	4.172E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
83	1.6596E-06	3.5518E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
84	1.6596E-06	3.0104E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
85	1.6596E-06	2.5411E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.6596E-06	2.1793E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
87	1.6596E-06	1.878E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
88	1.6596E-06	1.6355E-06	6.05E-04	9.90E-10	14.00	4.71E-02	6.53E-10	1,000,000	6.53E-04
89	1.6596E-06	1.7161E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
90	1.6596E-06	2.024E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.08E-10	1,000,000	8.08E-04
91	1.6596E-06	2.3979E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.58E-10	1,000,000	9.58E-04
92	1.6596E-06	2.882E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
93	1.6596E-06	3.5136E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
94	1.6596E-06	4.3307E-06	6.05E-04	2.62E-09	14.00	4.71E-02	1.73E-09	1,000,000	1.73E-03
95	1.6596E-06	5.3523E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
96	1.6596E-06	6.518E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
97	1.6596E-06	7.6418E-06	6.05E-04	4.62E-09	14.00	4.71E-02	3.05E-09	1,000,000	3.05E-03
98	1.6596E-06	8.4522E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.38E-09	1,000,000	3.38E-03
99	1.6596E-06	8.7978E-06	6.05E-04	5.32E-09	14.00	4.71E-02	3.51E-09	1,000,000	3.51E-03
100	1.6596E-06	8.7108E-06	6.05E-04	5.27E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
101	1.6596E-06	8.2373E-06	6.05E-04	4.98E-09	14.00	4.71E-02	3.29E-09	1,000,000	3.29E-03
102	1.6596E-06	7.4356E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
103	1.6596E-06	6.4118E-06	6.05E-04	3.88E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
104	1.6596E-06	5.3189E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
105	1.6596E-06	4.3454E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
106	1.6596E-06	3.543E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
107	1.6596E-06	2.9138E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
108	1.6596E-06	2.432E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.71E-10	1,000,000	9.71E-04
109	1.6596E-06	2.0588E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04
110	1.6596E-06	1.7703E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
111	1.6596E-06	1.7635E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
112	1.6596E-06	2.1213E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.47E-10	1,000,000	8.47E-04
113	1.6596E-06	2.5408E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
114	1.6596E-06	3.1488E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
115	1.6596E-06	4.042E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
116	1.6596E-06	5.2624E-06	6.05E-04	3.18E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
117	1.6596E-06	6.9747E-06	6.05E-04	4.22E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
118	1.6596E-06	9.2479E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.6596E-06	1.1653E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
120	1.6596E-06	1.3315E-05	6.05E-04	8.06E-09	14.00	4.71E-02	5.32E-09	1,000,000	5.32E-03
121	1.6596E-06	1.3863E-05	6.05E-04	8.39E-09	14.00	4.71E-02	5.54E-09	1,000,000	5.54E-03
122	1.6596E-06	1.3539E-05	6.05E-04	8.19E-09	14.00	4.71E-02	5.41E-09	1,000,000	5.41E-03
123	1.6596E-06	1.2662E-05	6.05E-04	7.66E-09	14.00	4.71E-02	5.06E-09	1,000,000	5.06E-03
124	1.6596E-06	1.1168E-05	6.05E-04	6.76E-09	14.00	4.71E-02	4.46E-09	1,000,000	4.46E-03
125	1.6596E-06	9.1375E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
126	1.6596E-06	7.0538E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
127	1.6596E-06	5.3949E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
128	1.6596E-06	4.1887E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
129	1.6596E-06	3.3245E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
130	1.6596E-06	2.7096E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
131	1.6596E-06	2.2524E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.99E-10	1,000,000	8.99E-04
132	1.6596E-06	1.9101E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.63E-10	1,000,000	7.63E-04
133	1.6596E-06	1.7476E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.98E-10	1,000,000	6.98E-04
134	1.6596E-06	2.13E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.51E-10	1,000,000	8.51E-04
135	1.6596E-06	2.6222E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
136	1.6596E-06	3.3918E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
137	1.6596E-06	4.5615E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
138	1.6596E-06	6.3142E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
139	1.6596E-06	9.244E-06	6.05E-04	5.59E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
140	1.6596E-06	1.4385E-05	6.05E-04	8.70E-09	14.00	4.71E-02	5.74E-09	1,000,000	5.74E-03
141	1.6596E-06	2.1394E-05	6.05E-04	1.29E-08	14.00	4.71E-02	8.54E-09	1,000,000	8.54E-03
142	1.6596E-06	2.5657E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
143	1.6596E-06	2.5935E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
144	1.6596E-06	2.4543E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.80E-09	1,000,000	9.80E-03
145	1.6596E-06	2.2922E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.15E-09	1,000,000	9.15E-03
146	1.6596E-06	1.9867E-05	6.05E-04	1.20E-08	14.00	4.71E-02	7.93E-09	1,000,000	7.93E-03
147	1.6596E-06	1.4686E-05	6.05E-04	8.89E-09	14.00	4.71E-02	5.86E-09	1,000,000	5.86E-03
148	1.6596E-06	9.8437E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.93E-09	1,000,000	3.93E-03
149	1.6596E-06	6.8001E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
150	1.6596E-06	4.9432E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03
151	1.6596E-06	3.774E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.6596E-06	2.9998E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
153	1.6596E-06	2.4517E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.79E-10	1,000,000	9.79E-04
154	1.6596E-06	2.0509E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.19E-10	1,000,000	8.19E-04
155	1.6596E-06	1.566E-06	6.05E-04	9.48E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
156	1.6596E-06	1.9496E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.79E-10	1,000,000	7.79E-04
157	1.6596E-06	2.5702E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
158	1.6596E-06	3.349E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
159	1.6596E-06	4.7336E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
160	1.6596E-06	6.9847E-06	6.05E-04	4.23E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
161	1.6596E-06	1.1635E-05	6.05E-04	7.04E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
162	1.6596E-06	2.4598E-05	6.05E-04	1.49E-08	14.00	4.71E-02	9.82E-09	1,000,000	9.82E-03
163	1.6596E-06	7.842E-05	6.05E-04	4.74E-08	14.00	4.71E-02	3.13E-08	1,000,000	3.13E-02
164	1.6596E-06	9.6649E-05	6.05E-04	5.85E-08	14.00	4.71E-02	3.86E-08	1,000,000	3.86E-02
165	1.6596E-06	8.652E-05	6.05E-04	5.24E-08	14.00	4.71E-02	3.46E-08	1,000,000	3.46E-02
166	1.6596E-06	6.8373E-05	6.05E-04	4.14E-08	14.00	4.71E-02	2.73E-08	1,000,000	2.73E-02
167	1.6596E-06	6.5971E-05	6.05E-04	3.99E-08	14.00	4.71E-02	2.63E-08	1,000,000	2.63E-02
168	1.6596E-06	6.0411E-05	6.05E-04	3.66E-08	14.00	4.71E-02	2.41E-08	1,000,000	2.41E-02
169	1.6596E-06	3.1013E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
170	1.6596E-06	1.4429E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
171	1.6596E-06	8.4979E-06	6.05E-04	5.14E-09	14.00	4.71E-02	3.39E-09	1,000,000	3.39E-03
172	1.6596E-06	5.7742E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
173	1.6596E-06	4.2402E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
174	1.6596E-06	3.2861E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
175	1.6596E-06	2.6459E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
176	1.6596E-06	2.1876E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.74E-10	1,000,000	8.74E-04
177	1.6596E-06	1.4694E-06	6.05E-04	8.89E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
178	1.6596E-06	1.8549E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.41E-10	1,000,000	7.41E-04
179	1.6596E-06	2.455E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
180	1.6596E-06	3.3456E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
181	1.6596E-06	4.7021E-06	6.05E-04	2.85E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
182	1.6596E-06	7.1026E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
183	1.6596E-06	1.2588E-05	6.05E-04	7.62E-09	14.00	4.71E-02	5.03E-09	1,000,000	5.03E-03
184	1.6596E-06	6.8516E-05	6.05E-04	4.15E-08	14.00	4.71E-02	2.74E-08	1,000,000	2.74E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.6596E-06	1.8747E-05	6.05E-04	1.13E-08	14.00	4.71E-02	7.49E-09	1,000,000	7.49E-03
186	1.6596E-06	9.8918E-06	6.05E-04	5.99E-09	14.00	4.71E-02	3.95E-09	1,000,000	3.95E-03
187	1.6596E-06	6.3971E-06	6.05E-04	3.87E-09	14.00	4.71E-02	2.55E-09	1,000,000	2.55E-03
188	1.6596E-06	4.587E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
189	1.6596E-06	3.5055E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
190	1.6596E-06	2.7928E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
191	1.6596E-06	2.2921E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.15E-10	1,000,000	9.15E-04
192	1.6596E-06	1.3223E-06	6.05E-04	8.00E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
193	1.6596E-06	1.644E-06	6.05E-04	9.95E-10	14.00	4.71E-02	6.57E-10	1,000,000	6.57E-04
194	1.6596E-06	2.1516E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.59E-10	1,000,000	8.59E-04
195	1.6596E-06	2.875E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
196	1.6596E-06	4.1037E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
197	1.6596E-06	6.0146E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
198	1.6596E-06	1.0496E-05	6.05E-04	6.35E-09	14.00	4.71E-02	4.19E-09	1,000,000	4.19E-03
199	1.6596E-06	3.4825E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
200	1.6596E-06	3.2939E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.32E-08	1,000,000	1.32E-02
201	1.6596E-06	1.5821E-05	6.05E-04	9.57E-09	14.00	4.71E-02	6.32E-09	1,000,000	6.32E-03
202	1.6596E-06	9.3739E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
203	1.6596E-06	6.3342E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
204	1.6596E-06	4.6253E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
205	1.6596E-06	3.5605E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
206	1.6596E-06	2.8454E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
207	1.6596E-06	2.3396E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
208	1.6596E-06	1.1732E-06	6.05E-04	7.10E-10	14.00	4.71E-02	4.69E-10	1,000,000	4.69E-04
209	1.6596E-06	1.4418E-06	6.05E-04	8.72E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
210	1.6596E-06	1.7576E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
211	1.6596E-06	2.3401E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
212	1.6596E-06	3.142E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
213	1.6596E-06	4.531E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
214	1.6596E-06	7.1205E-06	6.05E-04	4.31E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
215	1.6596E-06	1.1523E-05	6.05E-04	6.97E-09	14.00	4.71E-02	4.60E-09	1,000,000	4.60E-03
216	1.6596E-06	1.733E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.92E-09	1,000,000	6.92E-03
217	1.6596E-06	1.6942E-05	6.05E-04	1.03E-08	14.00	4.71E-02	6.77E-09	1,000,000	6.77E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.6596E-06	1.5772E-05	6.05E-04	9.54E-09	14.00	4.71E-02	6.30E-09	1,000,000	6.30E-03
219	1.6596E-06	1.3693E-05	6.05E-04	8.29E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
220	1.6596E-06	1.0283E-05	6.05E-04	6.22E-09	14.00	4.71E-02	4.11E-09	1,000,000	4.11E-03
221	1.6596E-06	7.493E-06	6.05E-04	4.53E-09	14.00	4.71E-02	2.99E-09	1,000,000	2.99E-03
222	1.6596E-06	5.5823E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
223	1.6596E-06	4.2958E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
224	1.6596E-06	3.4073E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
225	1.6596E-06	2.7724E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
226	1.6596E-06	2.3057E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.21E-10	1,000,000	9.21E-04
227	1.6596E-06	1.0264E-06	6.05E-04	6.21E-10	14.00	4.71E-02	4.10E-10	1,000,000	4.10E-04
228	1.6596E-06	1.2267E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
229	1.6596E-06	1.4913E-06	6.05E-04	9.02E-10	14.00	4.71E-02	5.96E-10	1,000,000	5.96E-04
230	1.6596E-06	1.8787E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
231	1.6596E-06	2.439E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.74E-10	1,000,000	9.74E-04
232	1.6596E-06	3.1735E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
233	1.6596E-06	4.5716E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
234	1.6596E-06	6.2121E-06	6.05E-04	3.76E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
235	1.6596E-06	7.9444E-06	6.05E-04	4.81E-09	14.00	4.71E-02	3.17E-09	1,000,000	3.17E-03
236	1.6596E-06	8.9309E-06	6.05E-04	5.40E-09	14.00	4.71E-02	3.57E-09	1,000,000	3.57E-03
237	1.6596E-06	9.413E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
238	1.6596E-06	9.642E-06	6.05E-04	5.83E-09	14.00	4.71E-02	3.85E-09	1,000,000	3.85E-03
239	1.6596E-06	9.6935E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
240	1.6596E-06	9.1276E-06	6.05E-04	5.52E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
241	1.6596E-06	8.377E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
242	1.6596E-06	6.8238E-06	6.05E-04	4.13E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
243	1.6596E-06	5.709E-06	6.05E-04	3.45E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
244	1.6596E-06	4.6248E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
245	1.6596E-06	3.765E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
246	1.6596E-06	3.1032E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
247	1.6596E-06	2.5932E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
248	1.6596E-06	2.1969E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.77E-10	1,000,000	8.77E-04
249	1.6596E-06	9.0011E-07	6.05E-04	5.45E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
250	1.6596E-06	1.0503E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.6596E-06	1.2403E-06	6.05E-04	7.50E-10	14.00	4.71E-02	4.95E-10	1,000,000	4.95E-04
252	1.6596E-06	1.5241E-06	6.05E-04	9.22E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
253	1.6596E-06	1.8783E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
254	1.6596E-06	2.4471E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.77E-10	1,000,000	9.77E-04
255	1.6596E-06	3.0792E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
256	1.6596E-06	4.048E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
257	1.6596E-06	4.7497E-06	6.05E-04	2.87E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
258	1.6596E-06	5.3038E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
259	1.6596E-06	5.9211E-06	6.05E-04	3.58E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
260	1.6596E-06	6.3344E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
261	1.6596E-06	6.4498E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
262	1.6596E-06	6.094E-06	6.05E-04	3.69E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
263	1.6596E-06	5.521E-06	6.05E-04	3.34E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
264	1.6596E-06	4.9034E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
265	1.6596E-06	4.4389E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
266	1.6596E-06	3.7952E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
267	1.6596E-06	3.2194E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
268	1.6596E-06	2.7451E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
269	1.6596E-06	2.3562E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.41E-10	1,000,000	9.41E-04
270	1.6596E-06	2.0376E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.14E-10	1,000,000	8.14E-04
271	1.6596E-06	7.7222E-07	6.05E-04	4.67E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
272	1.6596E-06	8.8359E-07	6.05E-04	5.35E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
273	1.6596E-06	1.0334E-06	6.05E-04	6.25E-10	14.00	4.71E-02	4.13E-10	1,000,000	4.13E-04
274	1.6596E-06	1.2199E-06	6.05E-04	7.38E-10	14.00	4.71E-02	4.87E-10	1,000,000	4.87E-04
275	1.6596E-06	1.4598E-06	6.05E-04	8.83E-10	14.00	4.71E-02	5.83E-10	1,000,000	5.83E-04
276	1.6596E-06	1.796E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
277	1.6596E-06	2.1923E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.76E-10	1,000,000	8.76E-04
278	1.6596E-06	2.6001E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
279	1.6596E-06	3.0895E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
280	1.6596E-06	3.5322E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
281	1.6596E-06	3.9793E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
282	1.6596E-06	4.3523E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
283	1.6596E-06	4.4508E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.6596E-06	4.0445E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
285	1.6596E-06	3.9106E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
286	1.6596E-06	3.6313E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
287	1.6596E-06	3.3059E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
288	1.6596E-06	3.027E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
289	1.6596E-06	2.7114E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
290	1.6596E-06	2.4052E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.61E-10	1,000,000	9.61E-04
291	1.6596E-06	2.1176E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.46E-10	1,000,000	8.46E-04
292	1.6596E-06	1.8573E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.42E-10	1,000,000	7.42E-04
293	1.6596E-06	6.676E-07	6.05E-04	4.04E-10	14.00	4.71E-02	2.67E-10	1,000,000	2.67E-04
294	1.6596E-06	7.5752E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.03E-10	1,000,000	3.03E-04
295	1.6596E-06	8.6492E-07	6.05E-04	5.23E-10	14.00	4.71E-02	3.45E-10	1,000,000	3.45E-04
296	1.6596E-06	9.8787E-07	6.05E-04	5.98E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
297	1.6596E-06	1.1665E-06	6.05E-04	7.06E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
298	1.6596E-06	1.3709E-06	6.05E-04	8.29E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
299	1.6596E-06	1.6167E-06	6.05E-04	9.78E-10	14.00	4.71E-02	6.46E-10	1,000,000	6.46E-04
300	1.6596E-06	1.9361E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.73E-10	1,000,000	7.73E-04
301	1.6596E-06	2.1579E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
302	1.6596E-06	2.5068E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
303	1.6596E-06	2.8031E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
304	1.6596E-06	3.1049E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
305	1.6596E-06	3.1541E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
306	1.6596E-06	2.9618E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
307	1.6596E-06	2.8434E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
308	1.6596E-06	2.6776E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
309	1.6596E-06	2.6711E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
310	1.6596E-06	2.4458E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.77E-10	1,000,000	9.77E-04
311	1.6596E-06	2.2496E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.98E-10	1,000,000	8.98E-04
312	1.6596E-06	2.0805E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.31E-10	1,000,000	8.31E-04
313	1.6596E-06	1.8842E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.52E-10	1,000,000	7.52E-04
314	1.6596E-06	1.7101E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
315	1.6596E-06	5.6753E-07	6.05E-04	3.43E-10	14.00	4.71E-02	2.27E-10	1,000,000	2.27E-04
316	1.6596E-06	6.3881E-07	6.05E-04	3.87E-10	14.00	4.71E-02	2.55E-10	1,000,000	2.55E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.6596E-06	7.1896E-07	6.05E-04	4.35E-10	14.00	4.71E-02	2.87E-10	1,000,000	2.87E-04
318	1.6596E-06	8.0956E-07	6.05E-04	4.90E-10	14.00	4.71E-02	3.23E-10	1,000,000	3.23E-04
319	1.6596E-06	9.0867E-07	6.05E-04	5.50E-10	14.00	4.71E-02	3.63E-10	1,000,000	3.63E-04
320	1.6596E-06	1.0882E-06	6.05E-04	6.58E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
321	1.6596E-06	1.2358E-06	6.05E-04	7.48E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
322	1.6596E-06	1.4215E-06	6.05E-04	8.60E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
323	1.6596E-06	1.65E-06	6.05E-04	9.98E-10	14.00	4.71E-02	6.59E-10	1,000,000	6.59E-04
324	1.6596E-06	1.8543E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.41E-10	1,000,000	7.41E-04
325	1.6596E-06	2.0578E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04
326	1.6596E-06	2.2609E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.03E-10	1,000,000	9.03E-04
327	1.6596E-06	2.6671E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
328	1.6596E-06	2.1957E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.77E-10	1,000,000	8.77E-04
329	1.6596E-06	2.124E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.48E-10	1,000,000	8.48E-04
330	1.6596E-06	2.0844E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.32E-10	1,000,000	8.32E-04
331	1.6596E-06	2.0353E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.13E-10	1,000,000	8.13E-04
332	1.6596E-06	1.973E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.88E-10	1,000,000	7.88E-04
333	1.6596E-06	1.8519E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.40E-10	1,000,000	7.40E-04
334	1.6596E-06	1.763E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
335	1.6596E-06	1.6409E-06	6.05E-04	9.93E-10	14.00	4.71E-02	6.55E-10	1,000,000	6.55E-04
336	1.6596E-06	1.5255E-06	6.05E-04	9.23E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
337	1.6596E-06	4.964E-07	6.05E-04	3.00E-10	14.00	4.71E-02	1.98E-10	1,000,000	1.98E-04
338	1.6596E-06	5.4881E-07	6.05E-04	3.32E-10	14.00	4.71E-02	2.19E-10	1,000,000	2.19E-04
339	1.6596E-06	6.0225E-07	6.05E-04	3.64E-10	14.00	4.71E-02	2.41E-10	1,000,000	2.41E-04
340	1.6596E-06	6.8053E-07	6.05E-04	4.12E-10	14.00	4.71E-02	2.72E-10	1,000,000	2.72E-04
341	1.6596E-06	7.544E-07	6.05E-04	4.56E-10	14.00	4.71E-02	3.01E-10	1,000,000	3.01E-04
342	1.6596E-06	8.8107E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
343	1.6596E-06	9.7844E-07	6.05E-04	5.92E-10	14.00	4.71E-02	3.91E-10	1,000,000	3.91E-04
344	1.6596E-06	1.1139E-06	6.05E-04	6.74E-10	14.00	4.71E-02	4.45E-10	1,000,000	4.45E-04
345	1.6596E-06	1.2597E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
346	1.6596E-06	1.4353E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
347	1.6596E-06	1.5521E-06	6.05E-04	9.39E-10	14.00	4.71E-02	6.20E-10	1,000,000	6.20E-04
348	1.6596E-06	1.6727E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
349	1.6596E-06	1.5833E-06	6.05E-04	9.58E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.6596E-06	1.6007E-06	6.05E-04	9.69E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
351	1.6596E-06	1.6084E-06	6.05E-04	9.73E-10	14.00	4.71E-02	6.42E-10	1,000,000	6.42E-04
352	1.6596E-06	1.5459E-06	6.05E-04	9.35E-10	14.00	4.71E-02	6.17E-10	1,000,000	6.17E-04
353	1.6596E-06	1.5927E-06	6.05E-04	9.64E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
354	1.6596E-06	1.5448E-06	6.05E-04	9.35E-10	14.00	4.71E-02	6.17E-10	1,000,000	6.17E-04
355	1.6596E-06	1.5178E-06	6.05E-04	9.18E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04
356	1.6596E-06	1.479E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
357	1.6596E-06	1.4082E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.62E-10	1,000,000	5.62E-04
358	1.6596E-06	1.3277E-06	6.05E-04	8.03E-10	14.00	4.71E-02	5.30E-10	1,000,000	5.30E-04
359	1.6596E-06	4.2772E-07	6.05E-04	2.59E-10	14.00	4.71E-02	1.71E-10	1,000,000	1.71E-04
360	1.6596E-06	4.72E-07	6.05E-04	2.86E-10	14.00	4.71E-02	1.88E-10	1,000,000	1.88E-04
361	1.6596E-06	5.1776E-07	6.05E-04	3.13E-10	14.00	4.71E-02	2.07E-10	1,000,000	2.07E-04
362	1.6596E-06	5.6993E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04
363	1.6596E-06	6.2369E-07	6.05E-04	3.77E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
364	1.6596E-06	7.0559E-07	6.05E-04	4.27E-10	14.00	4.71E-02	2.82E-10	1,000,000	2.82E-04
365	1.6596E-06	7.9477E-07	6.05E-04	4.81E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
366	1.6596E-06	8.9745E-07	6.05E-04	5.43E-10	14.00	4.71E-02	3.58E-10	1,000,000	3.58E-04
367	1.6596E-06	1.0233E-06	6.05E-04	6.19E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
368	1.6596E-06	1.1211E-06	6.05E-04	6.78E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
369	1.6596E-06	1.184E-06	6.05E-04	7.16E-10	14.00	4.71E-02	4.73E-10	1,000,000	4.73E-04
370	1.6596E-06	1.208E-06	6.05E-04	7.31E-10	14.00	4.71E-02	4.82E-10	1,000,000	4.82E-04
371	1.6596E-06	1.2513E-06	6.05E-04	7.57E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
372	1.6596E-06	1.2639E-06	6.05E-04	7.65E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
373	1.6596E-06	1.2346E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
374	1.6596E-06	1.1999E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
375	1.6596E-06	1.2334E-06	6.05E-04	7.46E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
376	1.6596E-06	1.2162E-06	6.05E-04	7.36E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
377	1.6596E-06	1.2159E-06	6.05E-04	7.36E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
378	1.6596E-06	1.2452E-06	6.05E-04	7.53E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04
379	1.6596E-06	1.2139E-06	6.05E-04	7.34E-10	14.00	4.71E-02	4.85E-10	1,000,000	4.85E-04
380	1.6596E-06	1.1505E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
381	1.6596E-06	1.9245E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.69E-10	1,000,000	7.69E-04
382	1.6596E-06	2.2271E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.89E-10	1,000,000	8.89E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.6596E-06	2.5912E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
384	1.6596E-06	3.0216E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
385	1.6596E-06	3.5131E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
386	1.6596E-06	4.0364E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
387	1.6596E-06	4.5356E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
388	1.6596E-06	4.9478E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
389	1.6596E-06	5.2058E-06	6.05E-04	3.15E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
390	1.6596E-06	5.278E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
391	1.6596E-06	5.1609E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
392	1.6596E-06	4.8783E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
393	1.6596E-06	4.4653E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
394	1.6596E-06	3.9821E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
395	1.6596E-06	3.4701E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.39E-09	1,000,000	1.39E-03
396	1.6596E-06	2.992E-06	6.05E-04	1.81E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
397	1.6596E-06	2.5715E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
398	1.6596E-06	2.2132E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.84E-10	1,000,000	8.84E-04
399	1.6596E-06	2.1083E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.42E-10	1,000,000	8.42E-04
400	1.6596E-06	2.4894E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.94E-10	1,000,000	9.94E-04
401	1.6596E-06	2.9719E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
402	1.6596E-06	3.5781E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
403	1.6596E-06	4.3181E-06	6.05E-04	2.61E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
404	1.6596E-06	5.1615E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
405	1.6596E-06	6.0206E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
406	1.6596E-06	6.7437E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
407	1.6596E-06	7.1871E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
408	1.6596E-06	7.3075E-06	6.05E-04	4.42E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
409	1.6596E-06	7.1007E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
410	1.6596E-06	6.6064E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
411	1.6596E-06	5.9128E-06	6.05E-04	3.58E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
412	1.6596E-06	5.1081E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
413	1.6596E-06	4.2921E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
414	1.6596E-06	3.5724E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
415	1.6596E-06	2.975E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.6596E-06	2.49E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.94E-10	1,000,000	9.94E-04
417	1.6596E-06	2.2588E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.02E-10	1,000,000	9.02E-04
418	1.6596E-06	2.7442E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
419	1.6596E-06	3.3876E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
420	1.6596E-06	4.2413E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
421	1.6596E-06	5.3898E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
422	1.6596E-06	6.8666E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
423	1.6596E-06	8.5231E-06	6.05E-04	5.16E-09	14.00	4.71E-02	3.40E-09	1,000,000	3.40E-03
424	1.6596E-06	9.945E-06	6.05E-04	6.02E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
425	1.6596E-06	1.0726E-05	6.05E-04	6.49E-09	14.00	4.71E-02	4.28E-09	1,000,000	4.28E-03
426	1.6596E-06	1.0866E-05	6.05E-04	6.57E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
427	1.6596E-06	1.0444E-05	6.05E-04	6.32E-09	14.00	4.71E-02	4.17E-09	1,000,000	4.17E-03
428	1.6596E-06	9.5868E-06	6.05E-04	5.80E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03
429	1.6596E-06	8.3122E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
430	1.6596E-06	6.8166E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
431	1.6596E-06	5.4229E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
432	1.6596E-06	4.299E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
433	1.6596E-06	3.4601E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
434	1.6596E-06	2.8192E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
435	1.6596E-06	2.3232E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.28E-10	1,000,000	9.28E-04
436	1.6596E-06	2.9134E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
437	1.6596E-06	3.7597E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
438	1.6596E-06	4.9807E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
439	1.6596E-06	6.7827E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
440	1.6596E-06	9.5559E-06	6.05E-04	5.78E-09	14.00	4.71E-02	3.82E-09	1,000,000	3.82E-03
441	1.6596E-06	1.3346E-05	6.05E-04	8.08E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
442	1.6596E-06	1.6795E-05	6.05E-04	1.02E-08	14.00	4.71E-02	6.71E-09	1,000,000	6.71E-03
443	1.6596E-06	1.8305E-05	6.05E-04	1.11E-08	14.00	4.71E-02	7.31E-09	1,000,000	7.31E-03
444	1.6596E-06	1.8158E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.25E-09	1,000,000	7.25E-03
445	1.6596E-06	1.7247E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.89E-09	1,000,000	6.89E-03
446	1.6596E-06	1.5665E-05	6.05E-04	9.48E-09	14.00	4.71E-02	6.26E-09	1,000,000	6.26E-03
447	1.6596E-06	1.299E-05	6.05E-04	7.86E-09	14.00	4.71E-02	5.19E-09	1,000,000	5.19E-03
448	1.6596E-06	9.7116E-06	6.05E-04	5.88E-09	14.00	4.71E-02	3.88E-09	1,000,000	3.88E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.6596E-06	7.0511E-06	6.05E-04	4.27E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
450	1.6596E-06	5.2293E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
451	1.6596E-06	3.9918E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
452	1.6596E-06	3.1669E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
453	1.6596E-06	2.304E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.20E-10	1,000,000	9.20E-04
454	1.6596E-06	2.9633E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
455	1.6596E-06	3.9986E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
456	1.6596E-06	5.5853E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
457	1.6596E-06	8.3265E-06	6.05E-04	5.04E-09	14.00	4.71E-02	3.33E-09	1,000,000	3.33E-03
458	1.6596E-06	1.3794E-05	6.05E-04	8.35E-09	14.00	4.71E-02	5.51E-09	1,000,000	5.51E-03
459	1.6596E-06	2.596E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
460	1.6596E-06	3.9927E-05	6.05E-04	2.42E-08	14.00	4.71E-02	1.59E-08	1,000,000	1.59E-02
461	1.6596E-06	4.2384E-05	6.05E-04	2.56E-08	14.00	4.71E-02	1.69E-08	1,000,000	1.69E-02
462	1.6596E-06	3.8709E-05	6.05E-04	2.34E-08	14.00	4.71E-02	1.55E-08	1,000,000	1.55E-02
463	1.6596E-06	3.6151E-05	6.05E-04	2.19E-08	14.00	4.71E-02	1.44E-08	1,000,000	1.44E-02
464	1.6596E-06	3.349E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
465	1.6596E-06	2.589E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
466	1.6596E-06	1.5407E-05	6.05E-04	9.32E-09	14.00	4.71E-02	6.15E-09	1,000,000	6.15E-03
467	1.6596E-06	9.4034E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
468	1.6596E-06	6.3346E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
469	1.6596E-06	4.6062E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
470	1.6596E-06	3.5348E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
471	1.6596E-06	2.1369E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.53E-10	1,000,000	8.53E-04
472	1.6596E-06	2.8429E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
473	1.6596E-06	3.9466E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
474	1.6596E-06	5.7094E-06	6.05E-04	3.45E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
475	1.6596E-06	9.1337E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
476	1.6596E-06	2.6737E-05	6.05E-04	1.62E-08	14.00	4.71E-02	1.07E-08	1,000,000	1.07E-02
477	1.6596E-06	1.2189E-05	6.05E-04	7.38E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
478	1.6596E-06	7.47E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.98E-09	1,000,000	2.98E-03
479	1.6596E-06	5.1833E-06	6.05E-04	3.14E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
480	1.6596E-06	3.8678E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
481	1.6596E-06	1.9586E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.82E-10	1,000,000	7.82E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.6596E-06	2.6293E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
483	1.6596E-06	3.515E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
484	1.6596E-06	5.1047E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
485	1.6596E-06	8.6697E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.46E-09	1,000,000	3.46E-03
486	1.6596E-06	2.8973E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
487	1.6596E-06	1.3029E-05	6.05E-04	7.88E-09	14.00	4.71E-02	5.20E-09	1,000,000	5.20E-03
488	1.6596E-06	7.8768E-06	6.05E-04	4.77E-09	14.00	4.71E-02	3.15E-09	1,000,000	3.15E-03
489	1.6596E-06	5.442E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
490	1.6596E-06	4.0467E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
491	1.6596E-06	1.7135E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.84E-10	1,000,000	6.84E-04
492	1.6596E-06	2.2403E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.95E-10	1,000,000	8.95E-04
493	1.6596E-06	2.9453E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
494	1.6596E-06	4.1891E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
495	1.6596E-06	6.5929E-06	6.05E-04	3.99E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
496	1.6596E-06	2.892E-05	6.05E-04	1.75E-08	14.00	4.71E-02	1.15E-08	1,000,000	1.15E-02
497	1.6596E-06	2.1715E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.67E-09	1,000,000	8.67E-03
498	1.6596E-06	2.187E-05	6.05E-04	1.32E-08	14.00	4.71E-02	8.73E-09	1,000,000	8.73E-03
499	1.6596E-06	1.5933E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
500	1.6596E-06	1.0342E-05	6.05E-04	6.26E-09	14.00	4.71E-02	4.13E-09	1,000,000	4.13E-03
501	1.6596E-06	7.0953E-06	6.05E-04	4.29E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
502	1.6596E-06	5.1723E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
503	1.6596E-06	3.9547E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
504	1.6596E-06	1.4702E-06	6.05E-04	8.90E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
505	1.6596E-06	1.8094E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.23E-10	1,000,000	7.23E-04
506	1.6596E-06	2.4387E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.74E-10	1,000,000	9.74E-04
507	1.6596E-06	3.197E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
508	1.6596E-06	4.719E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
509	1.6596E-06	6.8161E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
510	1.6596E-06	9.6525E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.85E-09	1,000,000	3.85E-03
511	1.6596E-06	1.1492E-05	6.05E-04	6.95E-09	14.00	4.71E-02	4.59E-09	1,000,000	4.59E-03
512	1.6596E-06	1.2188E-05	6.05E-04	7.37E-09	14.00	4.71E-02	4.87E-09	1,000,000	4.87E-03
513	1.6596E-06	1.2073E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.82E-09	1,000,000	4.82E-03
514	1.6596E-06	1.2271E-05	6.05E-04	7.42E-09	14.00	4.71E-02	4.90E-09	1,000,000	4.90E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.6596E-06	1.2089E-05	6.05E-04	7.31E-09	14.00	4.71E-02	4.83E-09	1,000,000	4.83E-03
516	1.6596E-06	1.1371E-05	6.05E-04	6.88E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03
517	1.6596E-06	9.4865E-06	6.05E-04	5.74E-09	14.00	4.71E-02	3.79E-09	1,000,000	3.79E-03
518	1.6596E-06	7.4346E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
519	1.6596E-06	5.7686E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
520	1.6596E-06	4.5295E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
521	1.6596E-06	3.625E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
522	1.6596E-06	1.2365E-06	6.05E-04	7.48E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
523	1.6596E-06	1.5336E-06	6.05E-04	9.28E-10	14.00	4.71E-02	6.12E-10	1,000,000	6.12E-04
524	1.6596E-06	1.931E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.71E-10	1,000,000	7.71E-04
525	1.6596E-06	2.4533E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
526	1.6596E-06	3.061E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
527	1.6596E-06	4.3142E-06	6.05E-04	2.61E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
528	1.6596E-06	5.451E-06	6.05E-04	3.30E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03
529	1.6596E-06	6.4219E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.56E-09	1,000,000	2.56E-03
530	1.6596E-06	7.1979E-06	6.05E-04	4.36E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
531	1.6596E-06	7.5893E-06	6.05E-04	4.59E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
532	1.6596E-06	7.7576E-06	6.05E-04	4.69E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
533	1.6596E-06	7.8161E-06	6.05E-04	4.73E-09	14.00	4.71E-02	3.12E-09	1,000,000	3.12E-03
534	1.6596E-06	7.0026E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
535	1.6596E-06	6.2917E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
536	1.6596E-06	5.4348E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
537	1.6596E-06	4.5959E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
538	1.6596E-06	3.8169E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
539	1.6596E-06	3.1905E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
540	1.6596E-06	1.0421E-06	6.05E-04	6.31E-10	14.00	4.71E-02	4.16E-10	1,000,000	4.16E-04
541	1.6596E-06	1.2556E-06	6.05E-04	7.60E-10	14.00	4.71E-02	5.01E-10	1,000,000	5.01E-04
542	1.6596E-06	1.5224E-06	6.05E-04	9.21E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
543	1.6596E-06	1.8627E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.44E-10	1,000,000	7.44E-04
544	1.6596E-06	2.3607E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
545	1.6596E-06	2.8558E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
546	1.6596E-06	3.5061E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
547	1.6596E-06	4.0481E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.6596E-06	4.6351E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
549	1.6596E-06	5.014E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
550	1.6596E-06	5.3469E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
551	1.6596E-06	5.8207E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
552	1.6596E-06	4.8843E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
553	1.6596E-06	4.4167E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
554	1.6596E-06	3.9619E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
555	1.6596E-06	3.7143E-06	6.05E-04	2.25E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
556	1.6596E-06	3.2011E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
557	1.6596E-06	2.7616E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
558	1.6596E-06	8.8265E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
559	1.6596E-06	1.0408E-06	6.05E-04	6.30E-10	14.00	4.71E-02	4.16E-10	1,000,000	4.16E-04
560	1.6596E-06	1.1995E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
561	1.6596E-06	1.4333E-06	6.05E-04	8.67E-10	14.00	4.71E-02	5.72E-10	1,000,000	5.72E-04
562	1.6596E-06	1.6726E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
563	1.6596E-06	1.9835E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.92E-10	1,000,000	7.92E-04
564	1.6596E-06	2.4141E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.64E-10	1,000,000	9.64E-04
565	1.6596E-06	2.7427E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
566	1.6596E-06	3.1824E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
567	1.6596E-06	3.4734E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.39E-09	1,000,000	1.39E-03
568	1.6596E-06	3.7612E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
569	1.6596E-06	3.5335E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
570	1.6596E-06	3.3333E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
571	1.6596E-06	3.2356E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
572	1.6596E-06	3.1038E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
573	1.6596E-06	2.8359E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
574	1.6596E-06	2.5951E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
575	1.6596E-06	2.3662E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.45E-10	1,000,000	9.45E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.66E-06	1.2851E-06	2.50E-04	3.22E-10	1.40E+01	1.57E-02	7.08E-11	1.0E+06	7.1E-05	1.0E-03	Res	0.077	164
2	1.6596E-06	1.4253E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
3	1.6596E-06	1.5827E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
4	1.6596E-06	1.7562E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.67E-11	1,000,000	9.67E-05	1.4E-03			
5	1.6596E-06	1.9447E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
6	1.6596E-06	2.1427E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
7	1.6596E-06	2.3385E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
8	1.6596E-06	2.5205E-06	2.50E-04	6.31E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
9	1.6596E-06	2.6759E-06	2.50E-04	6.70E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
10	1.6596E-06	2.7859E-06	2.50E-04	6.97E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
11	1.6596E-06	2.8398E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
12	1.6596E-06	2.8333E-06	2.50E-04	7.09E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
13	1.6596E-06	2.7678E-06	2.50E-04	6.93E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
14	1.6596E-06	2.6505E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
15	1.6596E-06	2.4934E-06	2.50E-04	6.24E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
16	1.6596E-06	2.308E-06	2.50E-04	5.78E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
17	1.6596E-06	2.1153E-06	2.50E-04	5.29E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
18	1.6596E-06	1.9215E-06	2.50E-04	4.81E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
19	1.6596E-06	1.7341E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.55E-11	1,000,000	9.55E-05	1.4E-03			
20	1.6596E-06	1.5645E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.61E-11	1,000,000	8.61E-05	1.2E-03			
21	1.6596E-06	1.4102E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
22	1.6596E-06	1.271E-06	2.50E-04	3.18E-10	14.00	1.57E-02	7.00E-11	1,000,000	7.00E-05	1.0E-03			
23	1.6596E-06	1.3948E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.68E-11	1,000,000	7.68E-05	1.1E-03			
24	1.6596E-06	1.5657E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.62E-11	1,000,000	8.62E-05	1.2E-03			
25	1.6596E-06	1.7627E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
26	1.6596E-06	1.9875E-06	2.50E-04	4.97E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.6596E-06	2.2387E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
28	1.6596E-06	2.5132E-06	2.50E-04	6.29E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
29	1.6596E-06	2.7929E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
30	1.6596E-06	3.064E-06	2.50E-04	7.67E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.4E-03			
31	1.6596E-06	3.2949E-06	2.50E-04	8.25E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
32	1.6596E-06	3.461E-06	2.50E-04	8.66E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
33	1.6596E-06	3.5402E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
34	1.6596E-06	3.5329E-06	2.50E-04	8.84E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
35	1.6596E-06	3.4364E-06	2.50E-04	8.60E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
36	1.6596E-06	3.2637E-06	2.50E-04	8.17E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
37	1.6596E-06	3.0212E-06	2.50E-04	7.56E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
38	1.6596E-06	2.7536E-06	2.50E-04	6.89E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
39	1.6596E-06	2.4828E-06	2.50E-04	6.21E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
40	1.6596E-06	2.2159E-06	2.50E-04	5.55E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
41	1.6596E-06	1.9664E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
42	1.6596E-06	1.7431E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
43	1.6596E-06	1.547E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.52E-11	1,000,000	8.52E-05	1.2E-03			
44	1.6596E-06	1.385E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.63E-11	1,000,000	7.63E-05	1.1E-03			
45	1.6596E-06	1.5088E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
46	1.6596E-06	1.7159E-06	2.50E-04	4.29E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			
47	1.6596E-06	1.9625E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
48	1.6596E-06	2.2545E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
49	1.6596E-06	2.5945E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
50	1.6596E-06	2.9799E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
51	1.6596E-06	3.3955E-06	2.50E-04	8.50E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
52	1.6596E-06	3.8088E-06	2.50E-04	9.53E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.6596E-06	4.1754E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
54	1.6596E-06	4.437E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
55	1.6596E-06	4.5644E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
56	1.6596E-06	4.5472E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
57	1.6596E-06	4.39E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
58	1.6596E-06	4.1266E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
59	1.6596E-06	3.7517E-06	2.50E-04	9.39E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
60	1.6596E-06	3.3461E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
61	1.6596E-06	2.9491E-06	2.50E-04	7.38E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
62	1.6596E-06	2.5714E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
63	1.6596E-06	2.2364E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
64	1.6596E-06	1.9497E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
65	1.6596E-06	1.7089E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.41E-11	1,000,000	9.41E-05	1.4E-03			
66	1.6596E-06	1.5068E-06	2.50E-04	3.77E-10	14.00	1.57E-02	8.30E-11	1,000,000	8.30E-05	1.2E-03			
67	1.6596E-06	1.6229E-06	2.50E-04	4.06E-10	14.00	1.57E-02	8.94E-11	1,000,000	8.94E-05	1.3E-03			
68	1.6596E-06	1.8712E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
69	1.6596E-06	2.1773E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
70	1.6596E-06	2.5552E-06	2.50E-04	6.39E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
71	1.6596E-06	3.019E-06	2.50E-04	7.56E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
72	1.6596E-06	3.5759E-06	2.50E-04	8.95E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
73	1.6596E-06	4.2147E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
74	1.6596E-06	4.8812E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
75	1.6596E-06	5.4899E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.02E-10	1,000,000	3.02E-04	4.4E-03			
76	1.6596E-06	5.9374E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.27E-10	1,000,000	3.27E-04	4.7E-03			
77	1.6596E-06	6.1539E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
78	1.6596E-06	6.1287E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.37E-10	1,000,000	3.37E-04	4.9E-03			
79	1.6596E-06	5.8553E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.22E-10	1,000,000	3.22E-04	4.7E-03			
80	1.6596E-06	5.3957E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
81	1.6596E-06	4.8031E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.64E-10	1,000,000	2.64E-04	3.8E-03			
82	1.6596E-06	4.172E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
83	1.6596E-06	3.5518E-06	2.50E-04	8.89E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
84	1.6596E-06	3.0104E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
85	1.6596E-06	2.5411E-06	2.50E-04	6.36E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.6596E-06	2.1793E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
87	1.6596E-06	1.878E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
88	1.6596E-06	1.6355E-06	2.50E-04	4.09E-10	14.00	1.57E-02	9.01E-11	1,000,000	9.01E-05	1.3E-03			
89	1.6596E-06	1.7161E-06	2.50E-04	4.30E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			
90	1.6596E-06	2.024E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
91	1.6596E-06	2.3979E-06	2.50E-04	6.00E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
92	1.6596E-06	2.882E-06	2.50E-04	7.21E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
93	1.6596E-06	3.5136E-06	2.50E-04	8.79E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
94	1.6596E-06	4.3307E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
95	1.6596E-06	5.3523E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
96	1.6596E-06	6.518E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			
97	1.6596E-06	7.6418E-06	2.50E-04	1.91E-09	14.00	1.57E-02	4.21E-10	1,000,000	4.21E-04	6.1E-03			
98	1.6596E-06	8.4522E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
99	1.6596E-06	8.7978E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.84E-10	1,000,000	4.84E-04	7.0E-03			
100	1.6596E-06	8.7108E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
101	1.6596E-06	8.2373E-06	2.50E-04	2.06E-09	14.00	1.57E-02	4.54E-10	1,000,000	4.54E-04	6.6E-03			
102	1.6596E-06	7.4356E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
103	1.6596E-06	6.4118E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.53E-10	1,000,000	3.53E-04	5.1E-03			
104	1.6596E-06	5.3189E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
105	1.6596E-06	4.3454E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.39E-10	1,000,000	2.39E-04	3.5E-03			
106	1.6596E-06	3.543E-06	2.50E-04	8.87E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
107	1.6596E-06	2.9138E-06	2.50E-04	7.29E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
108	1.6596E-06	2.432E-06	2.50E-04	6.09E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
109	1.6596E-06	2.0588E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
110	1.6596E-06	1.7703E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.75E-11	1,000,000	9.75E-05	1.4E-03			
111	1.6596E-06	1.7635E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
112	1.6596E-06	2.1213E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
113	1.6596E-06	2.5408E-06	2.50E-04	6.36E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
114	1.6596E-06	3.1488E-06	2.50E-04	7.88E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
115	1.6596E-06	4.042E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
116	1.6596E-06	5.2624E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
117	1.6596E-06	6.9747E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.84E-10	1,000,000	3.84E-04	5.6E-03			
118	1.6596E-06	9.2479E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.6596E-06	1.1653E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.3E-03			
120	1.6596E-06	1.3315E-05	2.50E-04	3.33E-09	14.00	1.57E-02	7.33E-10	1,000,000	7.33E-04	1.1E-02			
121	1.6596E-06	1.3863E-05	2.50E-04	3.47E-09	14.00	1.57E-02	7.63E-10	1,000,000	7.63E-04	1.1E-02			
122	1.6596E-06	1.3539E-05	2.50E-04	3.39E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.1E-02			
123	1.6596E-06	1.2662E-05	2.50E-04	3.17E-09	14.00	1.57E-02	6.97E-10	1,000,000	6.97E-04	1.0E-02			
124	1.6596E-06	1.1168E-05	2.50E-04	2.80E-09	14.00	1.57E-02	6.15E-10	1,000,000	6.15E-04	8.9E-03			
125	1.6596E-06	9.1375E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
126	1.6596E-06	7.0538E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			
127	1.6596E-06	5.3949E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
128	1.6596E-06	4.1887E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
129	1.6596E-06	3.3245E-06	2.50E-04	8.32E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
130	1.6596E-06	2.7096E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
131	1.6596E-06	2.2524E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
132	1.6596E-06	1.9101E-06	2.50E-04	4.78E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
133	1.6596E-06	1.7476E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.62E-11	1,000,000	9.62E-05	1.4E-03			
134	1.6596E-06	2.13E-06	2.50E-04	5.33E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
135	1.6596E-06	2.6222E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
136	1.6596E-06	3.3918E-06	2.50E-04	8.49E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
137	1.6596E-06	4.5615E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.51E-10	1,000,000	2.51E-04	3.6E-03			
138	1.6596E-06	6.3142E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
139	1.6596E-06	9.244E-06	2.50E-04	2.31E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			
140	1.6596E-06	1.4385E-05	2.50E-04	3.60E-09	14.00	1.57E-02	7.92E-10	1,000,000	7.92E-04	1.1E-02			
141	1.6596E-06	2.1394E-05	2.50E-04	5.35E-09	14.00	1.57E-02	1.18E-09	1,000,000	1.18E-03	1.7E-02			
142	1.6596E-06	2.5657E-05	2.50E-04	6.42E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
143	1.6596E-06	2.5935E-05	2.50E-04	6.49E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
144	1.6596E-06	2.4543E-05	2.50E-04	6.14E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
145	1.6596E-06	2.2922E-05	2.50E-04	5.74E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
146	1.6596E-06	1.9867E-05	2.50E-04	4.97E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
147	1.6596E-06	1.4686E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.09E-10	1,000,000	8.09E-04	1.2E-02			
148	1.6596E-06	9.8437E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.42E-10	1,000,000	5.42E-04	7.8E-03			
149	1.6596E-06	6.8001E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
150	1.6596E-06	4.9432E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
151	1.6596E-06	3.774E-06	2.50E-04	9.45E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.6596E-06	2.9998E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
153	1.6596E-06	2.4517E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
154	1.6596E-06	2.0509E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
155	1.6596E-06	1.566E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.62E-11	1,000,000	8.62E-05	1.2E-03			
156	1.6596E-06	1.9496E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
157	1.6596E-06	2.5702E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
158	1.6596E-06	3.349E-06	2.50E-04	8.38E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
159	1.6596E-06	4.7336E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
160	1.6596E-06	6.9847E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.85E-10	1,000,000	3.85E-04	5.6E-03			
161	1.6596E-06	1.1635E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
162	1.6596E-06	2.4598E-05	2.50E-04	6.16E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
163	1.6596E-06	7.842E-05	2.50E-04	1.96E-08	14.00	1.57E-02	4.32E-09	1,000,000	4.32E-03	6.2E-02			
164	1.6596E-06	9.6649E-05	2.50E-04	2.42E-08	14.00	1.57E-02	5.32E-09	1,000,000	5.32E-03	7.7E-02			
165	1.6596E-06	8.652E-05	2.50E-04	2.17E-08	14.00	1.57E-02	4.76E-09	1,000,000	4.76E-03	6.9E-02			
166	1.6596E-06	6.8373E-05	2.50E-04	1.71E-08	14.00	1.57E-02	3.76E-09	1,000,000	3.76E-03	5.4E-02			
167	1.6596E-06	6.5971E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.63E-09	1,000,000	3.63E-03	5.3E-02			
168	1.6596E-06	6.0411E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.33E-09	1,000,000	3.33E-03	4.8E-02			
169	1.6596E-06	3.1013E-05	2.50E-04	7.76E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
170	1.6596E-06	1.4429E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
171	1.6596E-06	8.4979E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.68E-10	1,000,000	4.68E-04	6.8E-03			
172	1.6596E-06	5.7742E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
173	1.6596E-06	4.2402E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
174	1.6596E-06	3.2861E-06	2.50E-04	8.22E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
175	1.6596E-06	2.6459E-06	2.50E-04	6.62E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
176	1.6596E-06	2.1876E-06	2.50E-04	5.47E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
177	1.6596E-06	1.4694E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.09E-11	1,000,000	8.09E-05	1.2E-03			
178	1.6596E-06	1.8549E-06	2.50E-04	4.64E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
179	1.6596E-06	2.455E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
180	1.6596E-06	3.3456E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
181	1.6596E-06	4.7021E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
182	1.6596E-06	7.1026E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
183	1.6596E-06	1.2588E-05	2.50E-04	3.15E-09	14.00	1.57E-02	6.93E-10	1,000,000	6.93E-04	1.0E-02			
184	1.6596E-06	6.8516E-05	2.50E-04	1.71E-08	14.00	1.57E-02	3.77E-09	1,000,000	3.77E-03	5.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.6596E-06	1.8747E-05	2.50E-04	4.69E-09	14.00	1.57E-02	1.03E-09	1,000,000	1.03E-03	1.5E-02			
186	1.6596E-06	9.8918E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.45E-10	1,000,000	5.45E-04	7.9E-03			
187	1.6596E-06	6.3971E-06	2.50E-04	1.60E-09	14.00	1.57E-02	3.52E-10	1,000,000	3.52E-04	5.1E-03			
188	1.6596E-06	4.587E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
189	1.6596E-06	3.5055E-06	2.50E-04	8.77E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
190	1.6596E-06	2.7928E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
191	1.6596E-06	2.2921E-06	2.50E-04	5.74E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
192	1.6596E-06	1.3223E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.28E-11	1,000,000	7.28E-05	1.1E-03			
193	1.6596E-06	1.644E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.05E-11	1,000,000	9.05E-05	1.3E-03			
194	1.6596E-06	2.1516E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
195	1.6596E-06	2.875E-06	2.50E-04	7.20E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
196	1.6596E-06	4.1037E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.26E-10	1,000,000	2.26E-04	3.3E-03			
197	1.6596E-06	6.0146E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
198	1.6596E-06	1.0496E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			
199	1.6596E-06	3.4825E-05	2.50E-04	8.72E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
200	1.6596E-06	3.2939E-05	2.50E-04	8.24E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02			
201	1.6596E-06	1.5821E-05	2.50E-04	3.96E-09	14.00	1.57E-02	8.71E-10	1,000,000	8.71E-04	1.3E-02			
202	1.6596E-06	9.3739E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
203	1.6596E-06	6.3342E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.0E-03			
204	1.6596E-06	4.6253E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
205	1.6596E-06	3.5605E-06	2.50E-04	8.91E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
206	1.6596E-06	2.8454E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
207	1.6596E-06	2.3396E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
208	1.6596E-06	1.1732E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.46E-11	1,000,000	6.46E-05	9.3E-04			
209	1.6596E-06	1.4418E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
210	1.6596E-06	1.7576E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
211	1.6596E-06	2.3401E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
212	1.6596E-06	3.142E-06	2.50E-04	7.86E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
213	1.6596E-06	4.531E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
214	1.6596E-06	7.1205E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.92E-10	1,000,000	3.92E-04	5.7E-03			
215	1.6596E-06	1.1523E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.34E-10	1,000,000	6.34E-04	9.2E-03			
216	1.6596E-06	1.733E-05	2.50E-04	4.34E-09	14.00	1.57E-02	9.54E-10	1,000,000	9.54E-04	1.4E-02			
217	1.6596E-06	1.6942E-05	2.50E-04	4.24E-09	14.00	1.57E-02	9.33E-10	1,000,000	9.33E-04	1.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.6596E-06	1.5772E-05	2.50E-04	3.95E-09	14.00	1.57E-02	8.68E-10	1,000,000	8.68E-04	1.3E-02			
219	1.6596E-06	1.3693E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.54E-10	1,000,000	7.54E-04	1.1E-02			
220	1.6596E-06	1.0283E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.66E-10	1,000,000	5.66E-04	8.2E-03			
221	1.6596E-06	7.493E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.13E-10	1,000,000	4.13E-04	6.0E-03			
222	1.6596E-06	5.5823E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
223	1.6596E-06	4.2958E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
224	1.6596E-06	3.4073E-06	2.50E-04	8.53E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
225	1.6596E-06	2.7724E-06	2.50E-04	6.94E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
226	1.6596E-06	2.3057E-06	2.50E-04	5.77E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
227	1.6596E-06	1.0264E-06	2.50E-04	2.57E-10	14.00	1.57E-02	5.65E-11	1,000,000	5.65E-05	8.2E-04			
228	1.6596E-06	1.2267E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
229	1.6596E-06	1.4913E-06	2.50E-04	3.73E-10	14.00	1.57E-02	8.21E-11	1,000,000	8.21E-05	1.2E-03			
230	1.6596E-06	1.8787E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
231	1.6596E-06	2.439E-06	2.50E-04	6.10E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
232	1.6596E-06	3.1735E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
233	1.6596E-06	4.5716E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
234	1.6596E-06	6.2121E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
235	1.6596E-06	7.9444E-06	2.50E-04	1.99E-09	14.00	1.57E-02	4.37E-10	1,000,000	4.37E-04	6.3E-03			
236	1.6596E-06	8.9309E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.92E-10	1,000,000	4.92E-04	7.1E-03			
237	1.6596E-06	9.413E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
238	1.6596E-06	9.642E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.31E-10	1,000,000	5.31E-04	7.7E-03			
239	1.6596E-06	9.6935E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.34E-10	1,000,000	5.34E-04	7.7E-03			
240	1.6596E-06	9.1276E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
241	1.6596E-06	8.377E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.7E-03			
242	1.6596E-06	6.8238E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.76E-10	1,000,000	3.76E-04	5.4E-03			
243	1.6596E-06	5.709E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.14E-10	1,000,000	3.14E-04	4.5E-03			
244	1.6596E-06	4.6248E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
245	1.6596E-06	3.765E-06	2.50E-04	9.42E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
246	1.6596E-06	3.1032E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
247	1.6596E-06	2.5932E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
248	1.6596E-06	2.1969E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
249	1.6596E-06	9.0011E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.96E-11	1,000,000	4.96E-05	7.2E-04			
250	1.6596E-06	1.0503E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.6596E-06	1.2403E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.83E-11	1,000,000	6.83E-05	9.9E-04			
252	1.6596E-06	1.5241E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.39E-11	1,000,000	8.39E-05	1.2E-03			
253	1.6596E-06	1.8783E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
254	1.6596E-06	2.4471E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
255	1.6596E-06	3.0792E-06	2.50E-04	7.71E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
256	1.6596E-06	4.048E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
257	1.6596E-06	4.7497E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
258	1.6596E-06	5.3038E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
259	1.6596E-06	5.9211E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.26E-10	1,000,000	3.26E-04	4.7E-03			
260	1.6596E-06	6.3344E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.0E-03			
261	1.6596E-06	6.4498E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
262	1.6596E-06	6.094E-06	2.50E-04	1.53E-09	14.00	1.57E-02	3.36E-10	1,000,000	3.36E-04	4.9E-03			
263	1.6596E-06	5.521E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.04E-10	1,000,000	3.04E-04	4.4E-03			
264	1.6596E-06	4.9034E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
265	1.6596E-06	4.4389E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
266	1.6596E-06	3.7952E-06	2.50E-04	9.50E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
267	1.6596E-06	3.2194E-06	2.50E-04	8.06E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
268	1.6596E-06	2.7451E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
269	1.6596E-06	2.3562E-06	2.50E-04	5.90E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
270	1.6596E-06	2.0376E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
271	1.6596E-06	7.7222E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.25E-11	1,000,000	4.25E-05	6.2E-04			
272	1.6596E-06	8.8359E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.87E-11	1,000,000	4.87E-05	7.0E-04			
273	1.6596E-06	1.0334E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.69E-11	1,000,000	5.69E-05	8.2E-04			
274	1.6596E-06	1.2199E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.72E-11	1,000,000	6.72E-05	9.7E-04			
275	1.6596E-06	1.4598E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.04E-11	1,000,000	8.04E-05	1.2E-03			
276	1.6596E-06	1.796E-06	2.50E-04	4.49E-10	14.00	1.57E-02	9.89E-11	1,000,000	9.89E-05	1.4E-03			
277	1.6596E-06	2.1923E-06	2.50E-04	5.49E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
278	1.6596E-06	2.6001E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
279	1.6596E-06	3.0895E-06	2.50E-04	7.73E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
280	1.6596E-06	3.5322E-06	2.50E-04	8.84E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
281	1.6596E-06	3.9793E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
282	1.6596E-06	4.3523E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
283	1.6596E-06	4.4508E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.6596E-06	4.0445E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
285	1.6596E-06	3.9106E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
286	1.6596E-06	3.6313E-06	2.50E-04	9.09E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
287	1.6596E-06	3.3059E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
288	1.6596E-06	3.027E-06	2.50E-04	7.58E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
289	1.6596E-06	2.7114E-06	2.50E-04	6.79E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
290	1.6596E-06	2.4052E-06	2.50E-04	6.02E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
291	1.6596E-06	2.1176E-06	2.50E-04	5.30E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
292	1.6596E-06	1.8573E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
293	1.6596E-06	6.676E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.68E-11	1,000,000	3.68E-05	5.3E-04			
294	1.6596E-06	7.5752E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
295	1.6596E-06	8.6492E-07	2.50E-04	2.16E-10	14.00	1.57E-02	4.76E-11	1,000,000	4.76E-05	6.9E-04			
296	1.6596E-06	9.8787E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.44E-11	1,000,000	5.44E-05	7.9E-04			
297	1.6596E-06	1.1665E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.42E-11	1,000,000	6.42E-05	9.3E-04			
298	1.6596E-06	1.3709E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.55E-11	1,000,000	7.55E-05	1.1E-03			
299	1.6596E-06	1.6167E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.90E-11	1,000,000	8.90E-05	1.3E-03			
300	1.6596E-06	1.9361E-06	2.50E-04	4.85E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
301	1.6596E-06	2.1579E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
302	1.6596E-06	2.5068E-06	2.50E-04	6.27E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
303	1.6596E-06	2.8031E-06	2.50E-04	7.02E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
304	1.6596E-06	3.1049E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
305	1.6596E-06	3.1541E-06	2.50E-04	7.89E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
306	1.6596E-06	2.9618E-06	2.50E-04	7.41E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
307	1.6596E-06	2.8434E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
308	1.6596E-06	2.6776E-06	2.50E-04	6.70E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
309	1.6596E-06	2.6711E-06	2.50E-04	6.69E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
310	1.6596E-06	2.4458E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
311	1.6596E-06	2.2496E-06	2.50E-04	5.63E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
312	1.6596E-06	2.0805E-06	2.50E-04	5.21E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
313	1.6596E-06	1.8842E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
314	1.6596E-06	1.7101E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.42E-11	1,000,000	9.42E-05	1.4E-03			
315	1.6596E-06	5.6753E-07	2.50E-04	1.42E-10	14.00	1.57E-02	3.12E-11	1,000,000	3.12E-05	4.5E-04			
316	1.6596E-06	6.3881E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.52E-11	1,000,000	3.52E-05	5.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.6596E-06	7.1896E-07	2.50E-04	1.80E-10	14.00	1.57E-02	3.96E-11	1,000,000	3.96E-05	5.7E-04			
318	1.6596E-06	8.0956E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.46E-11	1,000,000	4.46E-05	6.4E-04			
319	1.6596E-06	9.0867E-07	2.50E-04	2.27E-10	14.00	1.57E-02	5.00E-11	1,000,000	5.00E-05	7.2E-04			
320	1.6596E-06	1.0882E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.99E-11	1,000,000	5.99E-05	8.7E-04			
321	1.6596E-06	1.2358E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
322	1.6596E-06	1.4215E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.83E-11	1,000,000	7.83E-05	1.1E-03			
323	1.6596E-06	1.65E-06	2.50E-04	4.13E-10	14.00	1.57E-02	9.08E-11	1,000,000	9.08E-05	1.3E-03			
324	1.6596E-06	1.8543E-06	2.50E-04	4.64E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
325	1.6596E-06	2.0578E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
326	1.6596E-06	2.2609E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
327	1.6596E-06	2.6671E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
328	1.6596E-06	2.1957E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
329	1.6596E-06	2.124E-06	2.50E-04	5.32E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
330	1.6596E-06	2.0844E-06	2.50E-04	5.22E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
331	1.6596E-06	2.0353E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
332	1.6596E-06	1.973E-06	2.50E-04	4.94E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
333	1.6596E-06	1.8519E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
334	1.6596E-06	1.763E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
335	1.6596E-06	1.6409E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.04E-11	1,000,000	9.04E-05	1.3E-03			
336	1.6596E-06	1.5255E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.40E-11	1,000,000	8.40E-05	1.2E-03			
337	1.6596E-06	4.964E-07	2.50E-04	1.24E-10	14.00	1.57E-02	2.73E-11	1,000,000	2.73E-05	4.0E-04			
338	1.6596E-06	5.4881E-07	2.50E-04	1.37E-10	14.00	1.57E-02	3.02E-11	1,000,000	3.02E-05	4.4E-04			
339	1.6596E-06	6.0225E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.32E-11	1,000,000	3.32E-05	4.8E-04			
340	1.6596E-06	6.8053E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.75E-11	1,000,000	3.75E-05	5.4E-04			
341	1.6596E-06	7.544E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.15E-11	1,000,000	4.15E-05	6.0E-04			
342	1.6596E-06	8.8107E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
343	1.6596E-06	9.7844E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.39E-11	1,000,000	5.39E-05	7.8E-04			
344	1.6596E-06	1.1139E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.13E-11	1,000,000	6.13E-05	8.9E-04			
345	1.6596E-06	1.2597E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.94E-11	1,000,000	6.94E-05	1.0E-03			
346	1.6596E-06	1.4353E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
347	1.6596E-06	1.5521E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.55E-11	1,000,000	8.55E-05	1.2E-03			
348	1.6596E-06	1.6727E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
349	1.6596E-06	1.5833E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.72E-11	1,000,000	8.72E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.6596E-06	1.6007E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
351	1.6596E-06	1.6084E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.86E-11	1,000,000	8.86E-05	1.3E-03			
352	1.6596E-06	1.5459E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.51E-11	1,000,000	8.51E-05	1.2E-03			
353	1.6596E-06	1.5927E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.77E-11	1,000,000	8.77E-05	1.3E-03			
354	1.6596E-06	1.5448E-06	2.50E-04	3.87E-10	14.00	1.57E-02	8.51E-11	1,000,000	8.51E-05	1.2E-03			
355	1.6596E-06	1.5178E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			
356	1.6596E-06	1.479E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
357	1.6596E-06	1.4082E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.75E-11	1,000,000	7.75E-05	1.1E-03			
358	1.6596E-06	1.3277E-06	2.50E-04	3.32E-10	14.00	1.57E-02	7.31E-11	1,000,000	7.31E-05	1.1E-03			
359	1.6596E-06	4.2772E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.36E-11	1,000,000	2.36E-05	3.4E-04			
360	1.6596E-06	4.72E-07	2.50E-04	1.18E-10	14.00	1.57E-02	2.60E-11	1,000,000	2.60E-05	3.8E-04			
361	1.6596E-06	5.1776E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.85E-11	1,000,000	2.85E-05	4.1E-04			
362	1.6596E-06	5.6993E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			
363	1.6596E-06	6.2369E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.43E-11	1,000,000	3.43E-05	5.0E-04			
364	1.6596E-06	7.0559E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
365	1.6596E-06	7.9477E-07	2.50E-04	1.99E-10	14.00	1.57E-02	4.38E-11	1,000,000	4.38E-05	6.3E-04			
366	1.6596E-06	8.9745E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.94E-11	1,000,000	4.94E-05	7.1E-04			
367	1.6596E-06	1.0233E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.63E-11	1,000,000	5.63E-05	8.2E-04			
368	1.6596E-06	1.1211E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.17E-11	1,000,000	6.17E-05	8.9E-04			
369	1.6596E-06	1.184E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.52E-11	1,000,000	6.52E-05	9.4E-04			
370	1.6596E-06	1.208E-06	2.50E-04	3.02E-10	14.00	1.57E-02	6.65E-11	1,000,000	6.65E-05	9.6E-04			
371	1.6596E-06	1.2513E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.89E-11	1,000,000	6.89E-05	1.0E-03			
372	1.6596E-06	1.2639E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.96E-11	1,000,000	6.96E-05	1.0E-03			
373	1.6596E-06	1.2346E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
374	1.6596E-06	1.1999E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
375	1.6596E-06	1.2334E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.79E-11	1,000,000	6.79E-05	9.8E-04			
376	1.6596E-06	1.2162E-06	2.50E-04	3.04E-10	14.00	1.57E-02	6.70E-11	1,000,000	6.70E-05	9.7E-04			
377	1.6596E-06	1.2159E-06	2.50E-04	3.04E-10	14.00	1.57E-02	6.70E-11	1,000,000	6.70E-05	9.7E-04			
378	1.6596E-06	1.2452E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.86E-11	1,000,000	6.86E-05	9.9E-04			
379	1.6596E-06	1.2139E-06	2.50E-04	3.04E-10	14.00	1.57E-02	6.68E-11	1,000,000	6.68E-05	9.7E-04			
380	1.6596E-06	1.1505E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.33E-11	1,000,000	6.33E-05	9.2E-04			
381	1.6596E-06	1.9245E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
382	1.6596E-06	2.2271E-06	2.50E-04	5.57E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.6596E-06	2.5912E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
384	1.6596E-06	3.0216E-06	2.50E-04	7.56E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
385	1.6596E-06	3.5131E-06	2.50E-04	8.79E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
386	1.6596E-06	4.0364E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
387	1.6596E-06	4.5356E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
388	1.6596E-06	4.9478E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
389	1.6596E-06	5.2058E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.1E-03			
390	1.6596E-06	5.278E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
391	1.6596E-06	5.1609E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
392	1.6596E-06	4.8783E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
393	1.6596E-06	4.4653E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
394	1.6596E-06	3.9821E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
395	1.6596E-06	3.4701E-06	2.50E-04	8.68E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
396	1.6596E-06	2.992E-06	2.50E-04	7.49E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
397	1.6596E-06	2.5715E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
398	1.6596E-06	2.2132E-06	2.50E-04	5.54E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
399	1.6596E-06	2.1083E-06	2.50E-04	5.28E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
400	1.6596E-06	2.4894E-06	2.50E-04	6.23E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
401	1.6596E-06	2.9719E-06	2.50E-04	7.44E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
402	1.6596E-06	3.5781E-06	2.50E-04	8.95E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
403	1.6596E-06	4.3181E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
404	1.6596E-06	5.1615E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
405	1.6596E-06	6.0206E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
406	1.6596E-06	6.7437E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.4E-03			
407	1.6596E-06	7.1871E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
408	1.6596E-06	7.3075E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.02E-10	1,000,000	4.02E-04	5.8E-03			
409	1.6596E-06	7.1007E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
410	1.6596E-06	6.6064E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
411	1.6596E-06	5.9128E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.26E-10	1,000,000	3.26E-04	4.7E-03			
412	1.6596E-06	5.1081E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
413	1.6596E-06	4.2921E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
414	1.6596E-06	3.5724E-06	2.50E-04	8.94E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
415	1.6596E-06	2.975E-06	2.50E-04	7.45E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.6596E-06	2.49E-06	2.50E-04	6.23E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
417	1.6596E-06	2.2588E-06	2.50E-04	5.65E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
418	1.6596E-06	2.7442E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
419	1.6596E-06	3.3876E-06	2.50E-04	8.48E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
420	1.6596E-06	4.2413E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
421	1.6596E-06	5.3898E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
422	1.6596E-06	6.8666E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.5E-03			
423	1.6596E-06	8.5231E-06	2.50E-04	2.13E-09	14.00	1.57E-02	4.69E-10	1,000,000	4.69E-04	6.8E-03			
424	1.6596E-06	9.945E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.48E-10	1,000,000	5.48E-04	7.9E-03			
425	1.6596E-06	1.0726E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.91E-10	1,000,000	5.91E-04	8.5E-03			
426	1.6596E-06	1.0866E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.98E-10	1,000,000	5.98E-04	8.7E-03			
427	1.6596E-06	1.0444E-05	2.50E-04	2.61E-09	14.00	1.57E-02	5.75E-10	1,000,000	5.75E-04	8.3E-03			
428	1.6596E-06	9.5868E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.28E-10	1,000,000	5.28E-04	7.6E-03			
429	1.6596E-06	8.3122E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
430	1.6596E-06	6.8166E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.75E-10	1,000,000	3.75E-04	5.4E-03			
431	1.6596E-06	5.4229E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
432	1.6596E-06	4.299E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
433	1.6596E-06	3.4601E-06	2.50E-04	8.66E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
434	1.6596E-06	2.8192E-06	2.50E-04	7.06E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
435	1.6596E-06	2.3232E-06	2.50E-04	5.81E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
436	1.6596E-06	2.9134E-06	2.50E-04	7.29E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
437	1.6596E-06	3.7597E-06	2.50E-04	9.41E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
438	1.6596E-06	4.9807E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.74E-10	1,000,000	2.74E-04	4.0E-03			
439	1.6596E-06	6.7827E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
440	1.6596E-06	9.5559E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.26E-10	1,000,000	5.26E-04	7.6E-03			
441	1.6596E-06	1.3346E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.35E-10	1,000,000	7.35E-04	1.1E-02			
442	1.6596E-06	1.6795E-05	2.50E-04	4.20E-09	14.00	1.57E-02	9.25E-10	1,000,000	9.25E-04	1.3E-02			
443	1.6596E-06	1.8305E-05	2.50E-04	4.58E-09	14.00	1.57E-02	1.01E-09	1,000,000	1.01E-03	1.5E-02			
444	1.6596E-06	1.8158E-05	2.50E-04	4.54E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.4E-02			
445	1.6596E-06	1.7247E-05	2.50E-04	4.32E-09	14.00	1.57E-02	9.50E-10	1,000,000	9.50E-04	1.4E-02			
446	1.6596E-06	1.5665E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.62E-10	1,000,000	8.62E-04	1.2E-02			
447	1.6596E-06	1.299E-05	2.50E-04	3.25E-09	14.00	1.57E-02	7.15E-10	1,000,000	7.15E-04	1.0E-02			
448	1.6596E-06	9.7116E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.35E-10	1,000,000	5.35E-04	7.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.6596E-06	7.0511E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.88E-10	1,000,000	3.88E-04	5.6E-03			
450	1.6596E-06	5.2293E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.88E-10	1,000,000	2.88E-04	4.2E-03			
451	1.6596E-06	3.9918E-06	2.50E-04	9.99E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
452	1.6596E-06	3.1669E-06	2.50E-04	7.93E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
453	1.6596E-06	2.304E-06	2.50E-04	5.77E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
454	1.6596E-06	2.9633E-06	2.50E-04	7.42E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
455	1.6596E-06	3.9986E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
456	1.6596E-06	5.5853E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.08E-10	1,000,000	3.08E-04	4.4E-03			
457	1.6596E-06	8.3265E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
458	1.6596E-06	1.3794E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.60E-10	1,000,000	7.60E-04	1.1E-02			
459	1.6596E-06	2.596E-05	2.50E-04	6.50E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
460	1.6596E-06	3.9927E-05	2.50E-04	9.99E-09	14.00	1.57E-02	2.20E-09	1,000,000	2.20E-03	3.2E-02			
461	1.6596E-06	4.2384E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.33E-09	1,000,000	2.33E-03	3.4E-02			
462	1.6596E-06	3.8709E-05	2.50E-04	9.69E-09	14.00	1.57E-02	2.13E-09	1,000,000	2.13E-03	3.1E-02			
463	1.6596E-06	3.6151E-05	2.50E-04	9.05E-09	14.00	1.57E-02	1.99E-09	1,000,000	1.99E-03	2.9E-02			
464	1.6596E-06	3.349E-05	2.50E-04	8.38E-09	14.00	1.57E-02	1.84E-09	1,000,000	1.84E-03	2.7E-02			
465	1.6596E-06	2.589E-05	2.50E-04	6.48E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
466	1.6596E-06	1.5407E-05	2.50E-04	3.86E-09	14.00	1.57E-02	8.48E-10	1,000,000	8.48E-04	1.2E-02			
467	1.6596E-06	9.4034E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
468	1.6596E-06	6.3346E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.0E-03			
469	1.6596E-06	4.6062E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
470	1.6596E-06	3.5348E-06	2.50E-04	8.85E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
471	1.6596E-06	2.1369E-06	2.50E-04	5.35E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
472	1.6596E-06	2.8429E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
473	1.6596E-06	3.9466E-06	2.50E-04	9.88E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
474	1.6596E-06	5.7094E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.14E-10	1,000,000	3.14E-04	4.5E-03			
475	1.6596E-06	9.1337E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
476	1.6596E-06	2.6737E-05	2.50E-04	6.69E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
477	1.6596E-06	1.2189E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
478	1.6596E-06	7.47E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.11E-10	1,000,000	4.11E-04	5.9E-03			
479	1.6596E-06	5.1833E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
480	1.6596E-06	3.8678E-06	2.50E-04	9.68E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
481	1.6596E-06	1.9586E-06	2.50E-04	4.90E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.6596E-06	2.6293E-06	2.50E-04	6.58E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
483	1.6596E-06	3.515E-06	2.50E-04	8.80E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
484	1.6596E-06	5.1047E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
485	1.6596E-06	8.6697E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.77E-10	1,000,000	4.77E-04	6.9E-03			
486	1.6596E-06	2.8973E-05	2.50E-04	7.25E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
487	1.6596E-06	1.3029E-05	2.50E-04	3.26E-09	14.00	1.57E-02	7.17E-10	1,000,000	7.17E-04	1.0E-02			
488	1.6596E-06	7.8768E-06	2.50E-04	1.97E-09	14.00	1.57E-02	4.34E-10	1,000,000	4.34E-04	6.3E-03			
489	1.6596E-06	5.442E-06	2.50E-04	1.36E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03			
490	1.6596E-06	4.0467E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
491	1.6596E-06	1.7135E-06	2.50E-04	4.29E-10	14.00	1.57E-02	9.43E-11	1,000,000	9.43E-05	1.4E-03			
492	1.6596E-06	2.2403E-06	2.50E-04	5.61E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
493	1.6596E-06	2.9453E-06	2.50E-04	7.37E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
494	1.6596E-06	4.1891E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
495	1.6596E-06	6.5929E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.3E-03			
496	1.6596E-06	2.892E-05	2.50E-04	7.24E-09	14.00	1.57E-02	1.59E-09	1,000,000	1.59E-03	2.3E-02			
497	1.6596E-06	2.1715E-05	2.50E-04	5.43E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
498	1.6596E-06	2.187E-05	2.50E-04	5.47E-09	14.00	1.57E-02	1.20E-09	1,000,000	1.20E-03	1.7E-02			
499	1.6596E-06	1.5933E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
500	1.6596E-06	1.0342E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.69E-10	1,000,000	5.69E-04	8.2E-03			
501	1.6596E-06	7.0953E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
502	1.6596E-06	5.1723E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
503	1.6596E-06	3.9547E-06	2.50E-04	9.90E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.1E-03			
504	1.6596E-06	1.4702E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.09E-11	1,000,000	8.09E-05	1.2E-03			
505	1.6596E-06	1.8094E-06	2.50E-04	4.53E-10	14.00	1.57E-02	9.96E-11	1,000,000	9.96E-05	1.4E-03			
506	1.6596E-06	2.4387E-06	2.50E-04	6.10E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
507	1.6596E-06	3.197E-06	2.50E-04	8.00E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
508	1.6596E-06	4.719E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
509	1.6596E-06	6.8161E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.75E-10	1,000,000	3.75E-04	5.4E-03			
510	1.6596E-06	9.6525E-06	2.50E-04	2.42E-09	14.00	1.57E-02	5.31E-10	1,000,000	5.31E-04	7.7E-03			
511	1.6596E-06	1.1492E-05	2.50E-04	2.88E-09	14.00	1.57E-02	6.33E-10	1,000,000	6.33E-04	9.2E-03			
512	1.6596E-06	1.2188E-05	2.50E-04	3.05E-09	14.00	1.57E-02	6.71E-10	1,000,000	6.71E-04	9.7E-03			
513	1.6596E-06	1.2073E-05	2.50E-04	3.02E-09	14.00	1.57E-02	6.65E-10	1,000,000	6.65E-04	9.6E-03			
514	1.6596E-06	1.2271E-05	2.50E-04	3.07E-09	14.00	1.57E-02	6.76E-10	1,000,000	6.76E-04	9.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.6596E-06	1.2089E-05	2.50E-04	3.03E-09	14.00	1.57E-02	6.66E-10	1,000,000	6.66E-04	9.6E-03			
516	1.6596E-06	1.1371E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.26E-10	1,000,000	6.26E-04	9.1E-03			
517	1.6596E-06	9.4865E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.22E-10	1,000,000	5.22E-04	7.6E-03			
518	1.6596E-06	7.4346E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.09E-10	1,000,000	4.09E-04	5.9E-03			
519	1.6596E-06	5.7686E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
520	1.6596E-06	4.5295E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
521	1.6596E-06	3.625E-06	2.50E-04	9.07E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
522	1.6596E-06	1.2365E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.81E-11	1,000,000	6.81E-05	9.8E-04			
523	1.6596E-06	1.5336E-06	2.50E-04	3.84E-10	14.00	1.57E-02	8.44E-11	1,000,000	8.44E-05	1.2E-03			
524	1.6596E-06	1.931E-06	2.50E-04	4.83E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
525	1.6596E-06	2.4533E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
526	1.6596E-06	3.061E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.4E-03			
527	1.6596E-06	4.3142E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
528	1.6596E-06	5.451E-06	2.50E-04	1.36E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03			
529	1.6596E-06	6.4219E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			
530	1.6596E-06	7.1979E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
531	1.6596E-06	7.5893E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.0E-03			
532	1.6596E-06	7.7576E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.27E-10	1,000,000	4.27E-04	6.2E-03			
533	1.6596E-06	7.8161E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.30E-10	1,000,000	4.30E-04	6.2E-03			
534	1.6596E-06	7.0026E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
535	1.6596E-06	6.2917E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.46E-10	1,000,000	3.46E-04	5.0E-03			
536	1.6596E-06	5.4348E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
537	1.6596E-06	4.5959E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
538	1.6596E-06	3.8169E-06	2.50E-04	9.55E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
539	1.6596E-06	3.1905E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
540	1.6596E-06	1.0421E-06	2.50E-04	2.61E-10	14.00	1.57E-02	5.74E-11	1,000,000	5.74E-05	8.3E-04			
541	1.6596E-06	1.2556E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.91E-11	1,000,000	6.91E-05	1.0E-03			
542	1.6596E-06	1.5224E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
543	1.6596E-06	1.8627E-06	2.50E-04	4.66E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
544	1.6596E-06	2.3607E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
545	1.6596E-06	2.8558E-06	2.50E-04	7.15E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
546	1.6596E-06	3.5061E-06	2.50E-04	8.77E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
547	1.6596E-06	4.0481E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.6596E-06	4.6351E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
549	1.6596E-06	5.014E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			
550	1.6596E-06	5.3469E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.94E-10	1,000,000	2.94E-04	4.3E-03			
551	1.6596E-06	5.8207E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
552	1.6596E-06	4.8843E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
553	1.6596E-06	4.4167E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
554	1.6596E-06	3.9619E-06	2.50E-04	9.92E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			
555	1.6596E-06	3.7143E-06	2.50E-04	9.30E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
556	1.6596E-06	3.2011E-06	2.50E-04	8.01E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
557	1.6596E-06	2.7616E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
558	1.6596E-06	8.8265E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
559	1.6596E-06	1.0408E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
560	1.6596E-06	1.1995E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.60E-11	1,000,000	6.60E-05	9.6E-04			
561	1.6596E-06	1.4333E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.89E-11	1,000,000	7.89E-05	1.1E-03			
562	1.6596E-06	1.6726E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
563	1.6596E-06	1.9835E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
564	1.6596E-06	2.4141E-06	2.50E-04	6.04E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
565	1.6596E-06	2.7427E-06	2.50E-04	6.86E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
566	1.6596E-06	3.1824E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
567	1.6596E-06	3.4734E-06	2.50E-04	8.69E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
568	1.6596E-06	3.7612E-06	2.50E-04	9.41E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
569	1.6596E-06	3.5335E-06	2.50E-04	8.84E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
570	1.6596E-06	3.3333E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
571	1.6596E-06	3.2356E-06	2.50E-04	8.10E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
572	1.6596E-06	3.1038E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
573	1.6596E-06	2.8359E-06	2.50E-04	7.10E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
574	1.6596E-06	2.5951E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
575	1.6596E-06	2.3662E-06	2.50E-04	5.92E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	2.57E-07		1.933E-05	164 Res
2	5	2.85E-07			
3	5	3.17E-07			
4	5	3.51E-07			
5	5	3.89E-07			
6	5	4.29E-07			
7	5	4.68E-07			
8	5	5.04E-07			
9	5	5.35E-07			
10	5	5.57E-07			
11	5	5.68E-07			
12	5	5.67E-07			
13	5	5.54E-07			
14	5	5.30E-07			
15	5	4.99E-07			
16	5	4.62E-07			
17	5	4.23E-07			
18	5	3.84E-07			
19	5	3.47E-07			
20	5	3.13E-07			
21	5	2.82E-07			
22	5	2.54E-07			
23	5	2.79E-07			
24	5	3.13E-07			
25	5	3.53E-07			
26	5	3.97E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	4.48E-07			
28	5	5.03E-07			
29	5	5.59E-07			
30	5	6.13E-07			
31	5	6.59E-07			
32	5	6.92E-07			
33	5	7.08E-07			
34	5	7.07E-07			
35	5	6.87E-07			
36	5	6.53E-07			
37	5	6.04E-07			
38	5	5.51E-07			
39	5	4.97E-07			
40	5	4.43E-07			
41	5	3.93E-07			
42	5	3.49E-07			
43	5	3.09E-07			
44	5	2.77E-07			
45	5	3.02E-07			
46	5	3.43E-07			
47	5	3.92E-07			
48	5	4.51E-07			
49	5	5.19E-07			
50	5	5.96E-07			
51	5	6.79E-07			
52	5	7.62E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	8.35E-07			
54	5	8.87E-07			
55	5	9.13E-07			
56	5	9.09E-07			
57	5	8.78E-07			
58	5	8.25E-07			
59	5	7.50E-07			
60	5	6.69E-07			
61	5	5.90E-07			
62	5	5.14E-07			
63	5	4.47E-07			
64	5	3.90E-07			
65	5	3.42E-07			
66	5	3.01E-07			
67	5	3.25E-07			
68	5	3.74E-07			
69	5	4.35E-07			
70	5	5.11E-07			
71	5	6.04E-07			
72	5	7.15E-07			
73	5	8.43E-07			
74	5	9.76E-07			
75	5	1.10E-06			
76	5	1.19E-06			
77	5	1.23E-06			
78	5	1.23E-06			
79	5	1.17E-06			
80	5	1.08E-06			
81	5	9.61E-07			
82	5	8.34E-07			
83	5	7.10E-07			
84	5	6.02E-07			
85	5	5.08E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	4.36E-07			
87	5	3.76E-07			
88	5	3.27E-07			
89	5	3.43E-07			
90	5	4.05E-07			
91	5	4.80E-07			
92	5	5.76E-07			
93	5	7.03E-07			
94	5	8.66E-07			
95	5	1.07E-06			
96	5	1.30E-06			
97	5	1.53E-06			
98	5	1.69E-06			
99	5	1.76E-06			
100	5	1.74E-06			
101	5	1.65E-06			
102	5	1.49E-06			
103	5	1.28E-06			
104	5	1.06E-06			
105	5	8.69E-07			
106	5	7.09E-07			
107	5	5.83E-07			
108	5	4.86E-07			
109	5	4.12E-07			
110	5	3.54E-07			
111	5	3.53E-07			
112	5	4.24E-07			
113	5	5.08E-07			
114	5	6.30E-07			
115	5	8.08E-07			
116	5	1.05E-06			
117	5	1.39E-06			
118	5	1.85E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	2.33E-06			
120	5	2.66E-06			
121	5	2.77E-06			
122	5	2.71E-06			
123	5	2.53E-06			
124	5	2.23E-06			
125	5	1.83E-06			
126	5	1.41E-06			
127	5	1.08E-06			
128	5	8.38E-07			
129	5	6.65E-07			
130	5	5.42E-07			
131	5	4.50E-07			
132	5	3.82E-07			
133	5	3.50E-07			
134	5	4.26E-07			
135	5	5.24E-07			
136	5	6.78E-07			
137	5	9.12E-07			
138	5	1.26E-06			
139	5	1.85E-06			
140	5	2.88E-06			
141	5	4.28E-06			
142	5	5.13E-06			
143	5	5.19E-06			
144	5	4.91E-06			
145	5	4.58E-06			
146	5	3.97E-06			
147	5	2.94E-06			
148	5	1.97E-06			
149	5	1.36E-06			
150	5	9.89E-07			
151	5	7.55E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	6.00E-07			
153	5	4.90E-07			
154	5	4.10E-07			
155	5	3.13E-07			
156	5	3.90E-07			
157	5	5.14E-07			
158	5	6.70E-07			
159	5	9.47E-07			
160	5	1.40E-06			
161	5	2.33E-06			
162	5	4.92E-06			
163	5	1.57E-05			
164	5	1.93E-05			
165	5	1.73E-05			
166	5	1.37E-05			
167	5	1.32E-05			
168	5	1.21E-05			
169	5	6.20E-06			
170	5	2.89E-06			
171	5	1.70E-06			
172	5	1.15E-06			
173	5	8.48E-07			
174	5	6.57E-07			
175	5	5.29E-07			
176	5	4.38E-07			
177	5	2.94E-07			
178	5	3.71E-07			
179	5	4.91E-07			
180	5	6.69E-07			
181	5	9.40E-07			
182	5	1.42E-06			
183	5	2.52E-06			
184	5	1.37E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	3.75E-06			
186	5	1.98E-06			
187	5	1.28E-06			
188	5	9.17E-07			
189	5	7.01E-07			
190	5	5.59E-07			
191	5	4.58E-07			
192	5	2.64E-07			
193	5	3.29E-07			
194	5	4.30E-07			
195	5	5.75E-07			
196	5	8.21E-07			
197	5	1.20E-06			
198	5	2.10E-06			
199	5	6.96E-06			
200	5	6.59E-06			
201	5	3.16E-06			
202	5	1.87E-06			
203	5	1.27E-06			
204	5	9.25E-07			
205	5	7.12E-07			
206	5	5.69E-07			
207	5	4.68E-07			
208	5	2.35E-07			
209	5	2.88E-07			
210	5	3.52E-07			
211	5	4.68E-07			
212	5	6.28E-07			
213	5	9.06E-07			
214	5	1.42E-06			
215	5	2.30E-06			
216	5	3.47E-06			
217	5	3.39E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	3.15E-06			
219	5	2.74E-06			
220	5	2.06E-06			
221	5	1.50E-06			
222	5	1.12E-06			
223	5	8.59E-07			
224	5	6.81E-07			
225	5	5.54E-07			
226	5	4.61E-07			
227	5	2.05E-07			
228	5	2.45E-07			
229	5	2.98E-07			
230	5	3.76E-07			
231	5	4.88E-07			
232	5	6.35E-07			
233	5	9.14E-07			
234	5	1.24E-06			
235	5	1.59E-06			
236	5	1.79E-06			
237	5	1.88E-06			
238	5	1.93E-06			
239	5	1.94E-06			
240	5	1.83E-06			
241	5	1.68E-06			
242	5	1.36E-06			
243	5	1.14E-06			
244	5	9.25E-07			
245	5	7.53E-07			
246	5	6.21E-07			
247	5	5.19E-07			
248	5	4.39E-07			
249	5	1.80E-07			
250	5	2.10E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	2.48E-07			
252	5	3.05E-07			
253	5	3.76E-07			
254	5	4.89E-07			
255	5	6.16E-07			
256	5	8.10E-07			
257	5	9.50E-07			
258	5	1.06E-06			
259	5	1.18E-06			
260	5	1.27E-06			
261	5	1.29E-06			
262	5	1.22E-06			
263	5	1.10E-06			
264	5	9.81E-07			
265	5	8.88E-07			
266	5	7.59E-07			
267	5	6.44E-07			
268	5	5.49E-07			
269	5	4.71E-07			
270	5	4.08E-07			
271	5	1.54E-07			
272	5	1.77E-07			
273	5	2.07E-07			
274	5	2.44E-07			
275	5	2.92E-07			
276	5	3.59E-07			
277	5	4.38E-07			
278	5	5.20E-07			
279	5	6.18E-07			
280	5	7.06E-07			
281	5	7.96E-07			
282	5	8.70E-07			
283	5	8.90E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	8.09E-07			
285	5	7.82E-07			
286	5	7.26E-07			
287	5	6.61E-07			
288	5	6.05E-07			
289	5	5.42E-07			
290	5	4.81E-07			
291	5	4.24E-07			
292	5	3.71E-07			
293	5	1.34E-07			
294	5	1.52E-07			
295	5	1.73E-07			
296	5	1.98E-07			
297	5	2.33E-07			
298	5	2.74E-07			
299	5	3.23E-07			
300	5	3.87E-07			
301	5	4.32E-07			
302	5	5.01E-07			
303	5	5.61E-07			
304	5	6.21E-07			
305	5	6.31E-07			
306	5	5.92E-07			
307	5	5.69E-07			
308	5	5.36E-07			
309	5	5.34E-07			
310	5	4.89E-07			
311	5	4.50E-07			
312	5	4.16E-07			
313	5	3.77E-07			
314	5	3.42E-07			
315	5	1.14E-07			
316	5	1.28E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	1.44E-07			
318	5	1.62E-07			
319	5	1.82E-07			
320	5	2.18E-07			
321	5	2.47E-07			
322	5	2.84E-07			
323	5	3.30E-07			
324	5	3.71E-07			
325	5	4.12E-07			
326	5	4.52E-07			
327	5	5.33E-07			
328	5	4.39E-07			
329	5	4.25E-07			
330	5	4.17E-07			
331	5	4.07E-07			
332	5	3.95E-07			
333	5	3.70E-07			
334	5	3.53E-07			
335	5	3.28E-07			
336	5	3.05E-07			
337	5	9.93E-08			
338	5	1.10E-07			
339	5	1.20E-07			
340	5	1.36E-07			
341	5	1.51E-07			
342	5	1.76E-07			
343	5	1.96E-07			
344	5	2.23E-07			
345	5	2.52E-07			
346	5	2.87E-07			
347	5	3.10E-07			
348	5	3.35E-07			
349	5	3.17E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	3.20E-07			
351	5	3.22E-07			
352	5	3.09E-07			
353	5	3.19E-07			
354	5	3.09E-07			
355	5	3.04E-07			
356	5	2.96E-07			
357	5	2.82E-07			
358	5	2.66E-07			
359	5	8.55E-08			
360	5	9.44E-08			
361	5	1.04E-07			
362	5	1.14E-07			
363	5	1.25E-07			
364	5	1.41E-07			
365	5	1.59E-07			
366	5	1.79E-07			
367	5	2.05E-07			
368	5	2.24E-07			
369	5	2.37E-07			
370	5	2.42E-07			
371	5	2.50E-07			
372	5	2.53E-07			
373	5	2.47E-07			
374	5	2.40E-07			
375	5	2.47E-07			
376	5	2.43E-07			
377	5	2.43E-07			
378	5	2.49E-07			
379	5	2.43E-07			
380	5	2.30E-07			
381	5	3.85E-07			
382	5	4.45E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	5.18E-07			
384	5	6.04E-07			
385	5	7.03E-07			
386	5	8.07E-07			
387	5	9.07E-07			
388	5	9.90E-07			
389	5	1.04E-06			
390	5	1.06E-06			
391	5	1.03E-06			
392	5	9.76E-07			
393	5	8.93E-07			
394	5	7.96E-07			
395	5	6.94E-07			
396	5	5.98E-07			
397	5	5.14E-07			
398	5	4.43E-07			
399	5	4.22E-07			
400	5	4.98E-07			
401	5	5.94E-07			
402	5	7.16E-07			
403	5	8.64E-07			
404	5	1.03E-06			
405	5	1.20E-06			
406	5	1.35E-06			
407	5	1.44E-06			
408	5	1.46E-06			
409	5	1.42E-06			
410	5	1.32E-06			
411	5	1.18E-06			
412	5	1.02E-06			
413	5	8.58E-07			
414	5	7.14E-07			
415	5	5.95E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	4.98E-07			
417	5	4.52E-07			
418	5	5.49E-07			
419	5	6.78E-07			
420	5	8.48E-07			
421	5	1.08E-06			
422	5	1.37E-06			
423	5	1.70E-06			
424	5	1.99E-06			
425	5	2.15E-06			
426	5	2.17E-06			
427	5	2.09E-06			
428	5	1.92E-06			
429	5	1.66E-06			
430	5	1.36E-06			
431	5	1.08E-06			
432	5	8.60E-07			
433	5	6.92E-07			
434	5	5.64E-07			
435	5	4.65E-07			
436	5	5.83E-07			
437	5	7.52E-07			
438	5	9.96E-07			
439	5	1.36E-06			
440	5	1.91E-06			
441	5	2.67E-06			
442	5	3.36E-06			
443	5	3.66E-06			
444	5	3.63E-06			
445	5	3.45E-06			
446	5	3.13E-06			
447	5	2.60E-06			
448	5	1.94E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	1.41E-06			
450	5	1.05E-06			
451	5	7.98E-07			
452	5	6.33E-07			
453	5	4.61E-07			
454	5	5.93E-07			
455	5	8.00E-07			
456	5	1.12E-06			
457	5	1.67E-06			
458	5	2.76E-06			
459	5	5.19E-06			
460	5	7.99E-06			
461	5	8.48E-06			
462	5	7.74E-06			
463	5	7.23E-06			
464	5	6.70E-06			
465	5	5.18E-06			
466	5	3.08E-06			
467	5	1.88E-06			
468	5	1.27E-06			
469	5	9.21E-07			
470	5	7.07E-07			
471	5	4.27E-07			
472	5	5.69E-07			
473	5	7.89E-07			
474	5	1.14E-06			
475	5	1.83E-06			
476	5	5.35E-06			
477	5	2.44E-06			
478	5	1.49E-06			
479	5	1.04E-06			
480	5	7.74E-07			
481	5	3.92E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	5.26E-07			
483	5	7.03E-07			
484	5	1.02E-06			
485	5	1.73E-06			
486	5	5.79E-06			
487	5	2.61E-06			
488	5	1.58E-06			
489	5	1.09E-06			
490	5	8.09E-07			
491	5	3.43E-07			
492	5	4.48E-07			
493	5	5.89E-07			
494	5	8.38E-07			
495	5	1.32E-06			
496	5	5.78E-06			
497	5	4.34E-06			
498	5	4.37E-06			
499	5	3.19E-06			
500	5	2.07E-06			
501	5	1.42E-06			
502	5	1.03E-06			
503	5	7.91E-07			
504	5	2.94E-07			
505	5	3.62E-07			
506	5	4.88E-07			
507	5	6.39E-07			
508	5	9.44E-07			
509	5	1.36E-06			
510	5	1.93E-06			
511	5	2.30E-06			
512	5	2.44E-06			
513	5	2.41E-06			
514	5	2.45E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	2.42E-06			
516	5	2.27E-06			
517	5	1.90E-06			
518	5	1.49E-06			
519	5	1.15E-06			
520	5	9.06E-07			
521	5	7.25E-07			
522	5	2.47E-07			
523	5	3.07E-07			
524	5	3.86E-07			
525	5	4.91E-07			
526	5	6.12E-07			
527	5	8.63E-07			
528	5	1.09E-06			
529	5	1.28E-06			
530	5	1.44E-06			
531	5	1.52E-06			
532	5	1.55E-06			
533	5	1.56E-06			
534	5	1.40E-06			
535	5	1.26E-06			
536	5	1.09E-06			
537	5	9.19E-07			
538	5	7.63E-07			
539	5	6.38E-07			
540	5	2.08E-07			
541	5	2.51E-07			
542	5	3.04E-07			
543	5	3.73E-07			
544	5	4.72E-07			
545	5	5.71E-07			
546	5	7.01E-07			
547	5	8.10E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE13

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	9.27E-07			
549	5	1.00E-06			
550	5	1.07E-06			
551	5	1.16E-06			
552	5	9.77E-07			
553	5	8.83E-07			
554	5	7.92E-07			
555	5	7.43E-07			
556	5	6.40E-07			
557	5	5.52E-07			
558	5	1.77E-07			
559	5	2.08E-07			
560	5	2.40E-07			
561	5	2.87E-07			
562	5	3.35E-07			
563	5	3.97E-07			
564	5	4.83E-07			
565	5	5.49E-07			
566	5	6.36E-07			
567	5	6.95E-07			
568	5	7.52E-07			
569	5	7.07E-07			
570	5	6.67E-07			
571	5	6.47E-07			
572	5	6.21E-07			
573	5	5.67E-07			
574	5	5.19E-07			
575	5	4.73E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.83	**1.3558E-06**	1.1271E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
2	0.92	1.3558E-06	1.2473E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
3	1.02	1.3558E-06	1.3804E-06	3.46E-04	4.78E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
4	1.12	1.3558E-06	1.5239E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
5	1.24	1.3558E-06	1.6752E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
6	1.35	1.3558E-06	1.8274E-06	3.46E-04	6.33E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
7	1.45	1.3558E-06	1.9673E-06	3.46E-04	6.81E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
8	1.54	1.3558E-06	2.0832E-06	3.46E-04	7.21E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
9	1.60	1.3558E-06	2.1629E-06	3.46E-04	7.49E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
10	1.62	1.3558E-06	2.1921E-06	3.46E-04	7.59E-10	0.25	1.57E-01	2.98E-11	1,000,000	2.98E-05
11	1.60	1.3558E-06	2.1667E-06	3.46E-04	7.50E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
12	1.54	1.3558E-06	2.0918E-06	3.46E-04	7.24E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
13	1.46	1.3558E-06	1.978E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
14	1.36	1.3558E-06	1.8394E-06	3.46E-04	6.37E-10	0.25	1.57E-01	2.50E-11	1,000,000	2.50E-05
15	1.25	1.3558E-06	1.69E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
16	1.13	1.3558E-06	1.5385E-06	3.46E-04	5.33E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
17	1.03	1.3558E-06	1.3964E-06	3.46E-04	4.83E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
18	0.93	1.3558E-06	1.2641E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
19	0.84	1.3558E-06	1.1424E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
20	0.76	1.3558E-06	1.0356E-06	3.46E-04	3.58E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
21	0.69	1.3558E-06	9.4009E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
22	0.63	1.3558E-06	8.5437E-07	3.46E-04	2.96E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
23	0.91	1.3558E-06	1.2355E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
24	1.02	1.3558E-06	1.3854E-06	3.46E-04	4.80E-10	0.25	1.57E-01	1.88E-11	1,000,000	1.88E-05
25	1.15	1.3558E-06	1.5562E-06	3.46E-04	5.39E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
26	1.29	1.3558E-06	1.7478E-06	3.46E-04	6.05E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.44	1.3558E-06	1.9562E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
28	1.60	1.3558E-06	2.1757E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
29	1.76	1.3558E-06	2.3846E-06	3.46E-04	8.25E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
30	1.89	1.3558E-06	2.567E-06	3.46E-04	8.89E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
31	1.98	1.3558E-06	2.6909E-06	3.46E-04	9.31E-10	0.25	1.57E-01	3.66E-11	1,000,000	3.66E-05
32	2.02	1.3558E-06	2.7365E-06	3.46E-04	9.47E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
33	1.99	1.3558E-06	2.693E-06	3.46E-04	9.32E-10	0.25	1.57E-01	3.66E-11	1,000,000	3.66E-05
34	1.90	1.3558E-06	2.5762E-06	3.46E-04	8.92E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
35	1.77	1.3558E-06	2.4025E-06	3.46E-04	8.32E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
36	1.62	1.3558E-06	2.1983E-06	3.46E-04	7.61E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
37	1.46	1.3558E-06	1.9775E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
38	1.31	1.3558E-06	1.7698E-06	3.46E-04	6.13E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
39	1.17	1.3558E-06	1.5821E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
40	1.04	1.3558E-06	1.4116E-06	3.46E-04	4.89E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
41	0.93	1.3558E-06	1.2596E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
42	0.83	1.3558E-06	1.1268E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
43	0.75	1.3558E-06	1.0113E-06	3.46E-04	3.50E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
44	0.68	1.3558E-06	9.1582E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
45	1.00	1.3558E-06	1.3509E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
46	1.13	1.3558E-06	1.5368E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
47	1.30	1.3558E-06	1.7563E-06	3.46E-04	6.08E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
48	1.48	1.3558E-06	2.013E-06	3.46E-04	6.97E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
49	1.70	1.3558E-06	2.3057E-06	3.46E-04	7.98E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
50	1.94	1.3558E-06	2.6269E-06	3.46E-04	9.09E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
51	2.18	1.3558E-06	2.9548E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
52	2.40	1.3558E-06	3.2499E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.55	1.3558E-06	3.4628E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
54	2.61	1.3558E-06	3.5384E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
55	2.56	1.3558E-06	3.4648E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
56	2.41	1.3558E-06	3.2631E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
57	2.20	1.3558E-06	2.9773E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
58	1.97	1.3558E-06	2.6652E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
59	1.73	1.3558E-06	2.3401E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
60	1.51	1.3558E-06	2.0481E-06	3.46E-04	7.09E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
61	1.32	1.3558E-06	1.7963E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
62	1.16	1.3558E-06	1.5751E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
63	1.02	1.3558E-06	1.3866E-06	3.46E-04	4.80E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
64	0.91	1.3558E-06	1.2273E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
65	0.81	1.3558E-06	1.0933E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
66	0.72	1.3558E-06	9.7952E-07	3.46E-04	3.39E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
67	1.08	1.3558E-06	1.4697E-06	3.46E-04	5.09E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
68	1.25	1.3558E-06	1.6977E-06	3.46E-04	5.88E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
69	1.46	1.3558E-06	1.9778E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
70	1.71	1.3558E-06	2.3203E-06	3.46E-04	8.03E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
71	2.02	1.3558E-06	2.7351E-06	3.46E-04	9.47E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
72	2.38	1.3558E-06	3.2215E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
73	2.77	1.3558E-06	3.7565E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.11E-11	1,000,000	5.11E-05
74	3.15	1.3558E-06	4.2691E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
75	3.43	1.3558E-06	4.6562E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
76	3.55	1.3558E-06	4.8063E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.54E-11	1,000,000	6.54E-05
77	3.45	1.3558E-06	4.6713E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.35E-11	1,000,000	6.35E-05
78	3.18	1.3558E-06	4.3047E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.85E-11	1,000,000	5.85E-05
79	2.80	1.3558E-06	3.7981E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.17E-11	1,000,000	5.17E-05
80	2.42	1.3558E-06	3.2755E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.45E-11	1,000,000	4.45E-05
81	2.06	1.3558E-06	2.795E-06	3.46E-04	9.68E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
82	1.76	1.3558E-06	2.3876E-06	3.46E-04	8.27E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
83	1.51	1.3558E-06	2.041E-06	3.46E-04	7.07E-10	0.25	1.57E-01	2.78E-11	1,000,000	2.78E-05
84	1.30	1.3558E-06	1.7585E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
85	1.12	1.3558E-06	1.5186E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	0.98	1.3558E-06	1.3329E-06	3.46E-04	4.61E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
87	0.87	1.3558E-06	1.1751E-06	3.46E-04	4.07E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
88	0.77	1.3558E-06	1.0449E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
89	1.17	1.3558E-06	1.5859E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
90	1.37	1.3558E-06	1.8609E-06	3.46E-04	6.44E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
91	1.63	1.3558E-06	2.2121E-06	3.46E-04	7.66E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
92	1.97	1.3558E-06	2.6654E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
93	2.40	1.3558E-06	3.2524E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
94	2.95	1.3558E-06	3.9995E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.44E-11	1,000,000	5.44E-05
95	3.62	1.3558E-06	4.9093E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
96	4.34	1.3558E-06	5.8878E-06	3.46E-04	2.04E-09	0.25	1.57E-01	8.01E-11	1,000,000	8.01E-05
97	4.94	1.3558E-06	6.6992E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.11E-11	1,000,000	9.11E-05
98	5.18	1.3558E-06	7.0191E-06	3.46E-04	2.43E-09	0.25	1.57E-01	9.55E-11	1,000,000	9.55E-05
99	4.95	1.3558E-06	6.7048E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.12E-11	1,000,000	9.12E-05
100	4.37	1.3558E-06	5.9282E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.06E-11	1,000,000	8.06E-05
101	3.67	1.3558E-06	4.9798E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.77E-11	1,000,000	6.77E-05
102	3.02	1.3558E-06	4.0937E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.57E-11	1,000,000	5.57E-05
103	2.48	1.3558E-06	3.3606E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
104	2.05	1.3558E-06	2.7732E-06	3.46E-04	9.60E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
105	1.71	1.3558E-06	2.3176E-06	3.46E-04	8.02E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
106	1.44	1.3558E-06	1.9569E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
107	1.23	1.3558E-06	1.6703E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
108	1.06	1.3558E-06	1.4431E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
109	0.93	1.3558E-06	1.2595E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
110	0.82	1.3558E-06	1.1118E-06	3.46E-04	3.85E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
111	1.25	1.3558E-06	1.6914E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
112	1.49	1.3558E-06	2.0147E-06	3.46E-04	6.97E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
113	1.80	1.3558E-06	2.4426E-06	3.46E-04	8.46E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
114	2.23	1.3558E-06	3.0255E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.11E-11	1,000,000	4.11E-05
115	2.83	1.3558E-06	3.8401E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
116	3.68	1.3558E-06	4.9914E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.79E-11	1,000,000	6.79E-05
117	4.87	1.3558E-06	6.6089E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.99E-11	1,000,000	8.99E-05
118	6.41	1.3558E-06	8.6937E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	7.89	1.3558E-06	1.0698E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
120	8.51	1.3558E-06	1.1544E-05	3.46E-04	4.00E-09	0.25	1.57E-01	1.57E-10	1,000,000	1.57E-04
121	7.90	1.3558E-06	1.0706E-05	3.46E-04	3.71E-09	0.25	1.57E-01	1.46E-10	1,000,000	1.46E-04
122	6.46	1.3558E-06	8.7545E-06	3.46E-04	3.03E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
123	4.99	1.3558E-06	6.7651E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.20E-11	1,000,000	9.20E-05
124	3.83	1.3558E-06	5.1959E-06	3.46E-04	1.80E-09	0.25	1.57E-01	7.07E-11	1,000,000	7.07E-05
125	2.99	1.3558E-06	4.0541E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.51E-11	1,000,000	5.51E-05
126	2.38	1.3558E-06	3.2232E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
127	1.93	1.3558E-06	2.6213E-06	3.46E-04	9.07E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
128	1.60	1.3558E-06	2.171E-06	3.46E-04	7.52E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
129	1.35	1.3558E-06	1.8244E-06	3.46E-04	6.32E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
130	1.15	1.3558E-06	1.5589E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
131	0.99	1.3558E-06	1.3474E-06	3.46E-04	4.66E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
132	0.87	1.3558E-06	1.1798E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
133	1.28	1.3558E-06	1.7334E-06	3.46E-04	6.00E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
134	1.56	1.3558E-06	2.1212E-06	3.46E-04	7.34E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
135	1.94	1.3558E-06	2.6259E-06	3.46E-04	9.09E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
136	2.48	1.3558E-06	3.3615E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
137	3.27	1.3558E-06	4.4389E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.04E-11	1,000,000	6.04E-05
138	4.54	1.3558E-06	6.1506E-06	3.46E-04	2.13E-09	0.25	1.57E-01	8.36E-11	1,000,000	8.36E-05
139	6.68	1.3558E-06	9.053E-06	3.46E-04	3.13E-09	0.25	1.57E-01	1.23E-10	1,000,000	1.23E-04
140	10.41	1.3558E-06	1.4109E-05	3.46E-04	4.88E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
141	15.32	1.3558E-06	2.0773E-05	3.46E-04	7.19E-09	0.25	1.57E-01	2.83E-10	1,000,000	2.83E-04
142	17.56	1.3558E-06	2.3813E-05	3.46E-04	8.24E-09	0.25	1.57E-01	3.24E-10	1,000,000	3.24E-04
143	15.25	1.3558E-06	2.0671E-05	3.46E-04	7.16E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
144	10.54	1.3558E-06	1.4286E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
145	7.02	1.3558E-06	9.5232E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
146	4.90	1.3558E-06	6.6493E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.04E-11	1,000,000	9.04E-05
147	3.60	1.3558E-06	4.8859E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
148	2.75	1.3558E-06	3.7326E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
149	2.18	1.3558E-06	2.954E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
150	1.76	1.3558E-06	2.3929E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
151	1.46	1.3558E-06	1.9816E-06	3.46E-04	6.86E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.24	1.3558E-06	1.6748E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
153	1.06	1.3558E-06	1.4357E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
154	0.92	1.3558E-06	1.2473E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
155	1.17	1.3558E-06	1.5883E-06	3.46E-04	5.50E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
156	1.46	1.3558E-06	1.985E-06	3.46E-04	6.87E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
157	1.93	1.3558E-06	2.6222E-06	3.46E-04	9.08E-10	0.25	1.57E-01	3.57E-11	1,000,000	3.57E-05
158	2.54	1.3558E-06	3.4408E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
159	3.60	1.3558E-06	4.8793E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.64E-11	1,000,000	6.64E-05
160	5.30	1.3558E-06	7.1815E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.77E-11	1,000,000	9.77E-05
161	8.78	1.3558E-06	1.19E-05	3.46E-04	4.12E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
162	18.40	1.3558E-06	2.4952E-05	3.46E-04	8.64E-09	0.25	1.57E-01	3.39E-10	1,000,000	3.39E-04
163	58.69	1.3558E-06	7.9573E-05	3.46E-04	2.75E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
164	71.31	1.3558E-06	9.6676E-05	3.46E-04	3.35E-08	0.25	1.57E-01	1.31E-09	1,000,000	1.31E-03
165	55.52	1.3558E-06	7.5278E-05	3.46E-04	2.61E-08	0.25	1.57E-01	1.02E-09	1,000,000	1.02E-03
166	19.66	1.3558E-06	2.6658E-05	3.46E-04	9.23E-09	0.25	1.57E-01	3.63E-10	1,000,000	3.63E-04
167	10.05	1.3558E-06	1.3629E-05	3.46E-04	4.72E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
168	6.24	1.3558E-06	8.4592E-06	3.46E-04	2.93E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
169	4.30	1.3558E-06	5.8252E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.92E-11	1,000,000	7.92E-05
170	3.15	1.3558E-06	4.2724E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
171	2.42	1.3558E-06	3.2802E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
172	1.93	1.3558E-06	2.6175E-06	3.46E-04	9.06E-10	0.25	1.57E-01	3.56E-11	1,000,000	3.56E-05
173	1.58	1.3558E-06	2.1394E-06	3.46E-04	7.41E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
174	1.32	1.3558E-06	1.788E-06	3.46E-04	6.19E-10	0.25	1.57E-01	2.43E-11	1,000,000	2.43E-05
175	1.12	1.3558E-06	1.5224E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
176	0.97	1.3558E-06	1.3139E-06	3.46E-04	4.55E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
177	1.11	1.3558E-06	1.5032E-06	3.46E-04	5.20E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
178	1.41	1.3558E-06	1.909E-06	3.46E-04	6.61E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
179	1.88	1.3558E-06	2.5452E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
180	2.57	1.3558E-06	3.4907E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.75E-11	1,000,000	4.75E-05
181	3.65	1.3558E-06	4.9466E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
182	5.55	1.3558E-06	7.5249E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
183	9.84	1.3558E-06	1.334E-05	3.46E-04	4.62E-09	0.25	1.57E-01	1.81E-10	1,000,000	1.81E-04
184	4.90	1.3558E-06	6.6393E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.03E-11	1,000,000	9.03E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	3.48	1.3558E-06	4.7238E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.42E-11	1,000,000	6.42E-05
186	2.64	1.3558E-06	3.579E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
187	2.07	1.3558E-06	2.8106E-06	3.46E-04	9.73E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
188	1.68	1.3558E-06	2.2741E-06	3.46E-04	7.87E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
189	1.39	1.3558E-06	1.8871E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
190	1.18	1.3558E-06	1.596E-06	3.46E-04	5.52E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
191	1.01	1.3558E-06	1.3705E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
192	1.00	1.3558E-06	1.3618E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
193	1.26	1.3558E-06	1.7113E-06	3.46E-04	5.92E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
194	1.67	1.3558E-06	2.2634E-06	3.46E-04	7.84E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
195	2.25	1.3558E-06	3.054E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
196	3.26	1.3558E-06	4.4135E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.00E-11	1,000,000	6.00E-05
197	4.82	1.3558E-06	6.5375E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
198	8.47	1.3558E-06	1.1484E-05	3.46E-04	3.98E-09	0.25	1.57E-01	1.56E-10	1,000,000	1.56E-04
199	38.17	1.3558E-06	5.1748E-05	3.46E-04	1.79E-08	0.25	1.57E-01	7.04E-10	1,000,000	7.04E-04
200	5.15	1.3558E-06	6.9794E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.49E-11	1,000,000	9.49E-05
201	3.66	1.3558E-06	4.9648E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.75E-11	1,000,000	6.75E-05
202	2.75	1.3558E-06	3.7306E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
203	2.16	1.3558E-06	2.9253E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
204	1.74	1.3558E-06	2.3617E-06	3.46E-04	8.18E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
205	1.44	1.3558E-06	1.9536E-06	3.46E-04	6.76E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
206	1.22	1.3558E-06	1.6475E-06	3.46E-04	5.70E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
207	1.04	1.3558E-06	1.4124E-06	3.46E-04	4.89E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
208	0.89	1.3558E-06	1.2074E-06	3.46E-04	4.18E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
209	1.11	1.3558E-06	1.5049E-06	3.46E-04	5.21E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
210	1.37	1.3558E-06	1.858E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
211	1.86	1.3558E-06	2.5163E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
212	2.53	1.3558E-06	3.436E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
213	3.72	1.3558E-06	5.0483E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.87E-11	1,000,000	6.87E-05
214	5.98	1.3558E-06	8.101E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
215	9.98	1.3558E-06	1.3537E-05	3.46E-04	4.69E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04
216	16.44	1.3558E-06	2.2292E-05	3.46E-04	7.72E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
217	23.80	1.3558E-06	3.227E-05	3.46E-04	1.12E-08	0.25	1.57E-01	4.39E-10	1,000,000	4.39E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	7.23	1.3558E-06	9.798E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
219	4.91	1.3558E-06	6.6597E-06	3.46E-04	2.31E-09	0.25	1.57E-01	9.06E-11	1,000,000	9.06E-05
220	3.58	1.3558E-06	4.8494E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.59E-11	1,000,000	6.59E-05
221	2.73	1.3558E-06	3.7012E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.03E-11	1,000,000	5.03E-05
222	2.16	1.3558E-06	2.9247E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
223	1.75	1.3558E-06	2.3747E-06	3.46E-04	8.22E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
224	1.45	1.3558E-06	1.9707E-06	3.46E-04	6.82E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
225	1.23	1.3558E-06	1.665E-06	3.46E-04	5.76E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
226	1.05	1.3558E-06	1.429E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
227	0.78	1.3558E-06	1.0511E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
228	0.94	1.3558E-06	1.2731E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
229	1.16	1.3558E-06	1.5715E-06	3.46E-04	5.44E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
230	1.49	1.3558E-06	2.0179E-06	3.46E-04	6.99E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
231	1.98	1.3558E-06	2.6808E-06	3.46E-04	9.28E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
232	2.64	1.3558E-06	3.5815E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
233	3.95	1.3558E-06	5.3561E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.28E-11	1,000,000	7.28E-05
234	5.68	1.3558E-06	7.6984E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
235	8.21	1.3558E-06	1.1125E-05	3.46E-04	3.85E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
236	12.02	1.3558E-06	1.6295E-05	3.46E-04	5.64E-09	0.25	1.57E-01	2.22E-10	1,000,000	2.22E-04
237	19.05	1.3558E-06	2.5831E-05	3.46E-04	8.94E-09	0.25	1.57E-01	3.51E-10	1,000,000	3.51E-04
238	14.41	1.3558E-06	1.9539E-05	3.46E-04	6.76E-09	0.25	1.57E-01	2.66E-10	1,000,000	2.66E-04
239	8.71	1.3558E-06	1.1812E-05	3.46E-04	4.09E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
240	5.90	1.3558E-06	7.9993E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
241	4.28	1.3558E-06	5.8058E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.90E-11	1,000,000	7.90E-05
242	3.25	1.3558E-06	4.4101E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.00E-11	1,000,000	6.00E-05
243	2.56	1.3558E-06	3.4641E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
244	2.06	1.3558E-06	2.7929E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
245	1.70	1.3558E-06	2.3006E-06	3.46E-04	7.96E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
246	1.42	1.3558E-06	1.9292E-06	3.46E-04	6.68E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
247	1.21	1.3558E-06	1.6424E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
248	1.05	1.3558E-06	1.4172E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
249	0.68	1.3558E-06	9.1641E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
250	0.80	1.3558E-06	1.0831E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.96	1.3558E-06	1.2984E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
252	1.20	1.3558E-06	1.628E-06	3.46E-04	5.64E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
253	1.51	1.3558E-06	2.0538E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
254	2.04	1.3558E-06	2.7662E-06	3.46E-04	9.58E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
255	2.67	1.3558E-06	3.6239E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.93E-11	1,000,000	4.93E-05
256	3.73	1.3558E-06	5.0527E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.87E-11	1,000,000	6.87E-05
257	4.76	1.3558E-06	6.449E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
258	5.95	1.3558E-06	8.0659E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
259	7.24	1.3558E-06	9.812E-06	3.46E-04	3.40E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
260	6.96	1.3558E-06	9.4346E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
261	5.69	1.3558E-06	7.7101E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
262	4.43	1.3558E-06	6.0109E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.17E-11	1,000,000	8.17E-05
263	3.49	1.3558E-06	4.7315E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
264	2.80	1.3558E-06	3.7904E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
265	2.28	1.3558E-06	3.0915E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
266	1.89	1.3558E-06	2.5611E-06	3.46E-04	8.87E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
267	1.59	1.3558E-06	2.1531E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
268	1.35	1.3558E-06	1.8335E-06	3.46E-04	6.35E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
269	1.16	1.3558E-06	1.5794E-06	3.46E-04	5.47E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
270	1.01	1.3558E-06	1.3749E-06	3.46E-04	4.76E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
271	0.57	1.3558E-06	7.795E-07	3.46E-04	2.70E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
272	0.67	1.3558E-06	9.0307E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
273	0.79	1.3558E-06	1.0729E-06	3.46E-04	3.71E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
274	0.95	1.3558E-06	1.2903E-06	3.46E-04	4.47E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
275	1.16	1.3558E-06	1.5794E-06	3.46E-04	5.47E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
276	1.48	1.3558E-06	2.0016E-06	3.46E-04	6.93E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
277	1.87	1.3558E-06	2.5338E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
278	2.32	1.3558E-06	3.1426E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.27E-11	1,000,000	4.27E-05
279	2.92	1.3558E-06	3.9587E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.38E-11	1,000,000	5.38E-05
280	3.51	1.3558E-06	4.757E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.47E-11	1,000,000	6.47E-05
281	3.99	1.3558E-06	5.4146E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.36E-11	1,000,000	7.36E-05
282	4.15	1.3558E-06	5.6313E-06	3.46E-04	1.95E-09	0.25	1.57E-01	7.66E-11	1,000,000	7.66E-05
283	3.80	1.3558E-06	5.1453E-06	3.46E-04	1.78E-09	0.25	1.57E-01	7.00E-11	1,000,000	7.00E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	3.16	1.3558E-06	4.2832E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
285	2.73	1.3558E-06	3.7043E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05
286	2.33	1.3558E-06	3.1608E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.30E-11	1,000,000	4.30E-05
287	1.98	1.3558E-06	2.6817E-06	3.46E-04	9.28E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
288	1.69	1.3558E-06	2.2857E-06	3.46E-04	7.91E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
289	1.45	1.3558E-06	1.9607E-06	3.46E-04	6.79E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
290	1.25	1.3558E-06	1.7004E-06	3.46E-04	5.89E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
291	1.10	1.3558E-06	1.4858E-06	3.46E-04	5.14E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
292	0.96	1.3558E-06	1.3082E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
293	0.49	1.3558E-06	6.6829E-07	3.46E-04	2.31E-10	0.25	1.57E-01	9.09E-12	1,000,000	9.09E-06
294	0.57	1.3558E-06	7.6779E-07	3.46E-04	2.66E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
295	0.66	1.3558E-06	8.8929E-07	3.46E-04	3.08E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
296	0.76	1.3558E-06	1.0322E-06	3.46E-04	3.57E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
297	0.92	1.3558E-06	1.2446E-06	3.46E-04	4.31E-10	0.25	1.57E-01	1.69E-11	1,000,000	1.69E-05
298	1.10	1.3558E-06	1.4979E-06	3.46E-04	5.19E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
299	1.34	1.3558E-06	1.8166E-06	3.46E-04	6.29E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
300	1.66	1.3558E-06	2.2528E-06	3.46E-04	7.80E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
301	1.91	1.3558E-06	2.5877E-06	3.46E-04	8.96E-10	0.25	1.57E-01	3.52E-11	1,000,000	3.52E-05
302	2.29	1.3558E-06	3.1024E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
303	2.56	1.3558E-06	3.4642E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
304	2.73	1.3558E-06	3.7052E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05
305	2.61	1.3558E-06	3.5416E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
306	2.31	1.3558E-06	3.1335E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.26E-11	1,000,000	4.26E-05
307	2.09	1.3558E-06	2.8308E-06	3.46E-04	9.80E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
308	1.88	1.3558E-06	2.5454E-06	3.46E-04	8.81E-10	0.25	1.57E-01	3.46E-11	1,000,000	3.46E-05
309	1.69	1.3558E-06	2.2884E-06	3.46E-04	7.92E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
310	1.49	1.3558E-06	2.0157E-06	3.46E-04	6.98E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
311	1.30	1.3558E-06	1.7622E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
312	1.14	1.3558E-06	1.5502E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
313	1.01	1.3558E-06	1.3743E-06	3.46E-04	4.76E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
314	0.90	1.3558E-06	1.2247E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
315	0.42	1.3558E-06	5.6278E-07	3.46E-04	1.95E-10	0.25	1.57E-01	7.65E-12	1,000,000	7.65E-06
316	0.47	1.3558E-06	6.409E-07	3.46E-04	2.22E-10	0.25	1.57E-01	8.72E-12	1,000,000	8.72E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.54	1.3558E-06	7.3054E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.93E-12	1,000,000	9.93E-06
318	0.62	1.3558E-06	8.3412E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
319	0.70	1.3558E-06	9.5034E-07	3.46E-04	3.29E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
320	0.86	1.3558E-06	1.1634E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
321	0.99	1.3558E-06	1.3471E-06	3.46E-04	4.66E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
322	1.17	1.3558E-06	1.5842E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
323	1.39	1.3558E-06	1.8817E-06	3.46E-04	6.51E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
324	1.58	1.3558E-06	2.1462E-06	3.46E-04	7.43E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
325	1.76	1.3558E-06	2.3854E-06	3.46E-04	8.26E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
326	1.89	1.3558E-06	2.5559E-06	3.46E-04	8.85E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
327	2.10	1.3558E-06	2.8423E-06	3.46E-04	9.84E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
328	1.69	1.3558E-06	2.2894E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.11E-11	1,000,000	3.11E-05
329	1.58	1.3558E-06	2.1357E-06	3.46E-04	7.39E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
330	1.49	1.3558E-06	2.024E-06	3.46E-04	7.01E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
331	1.39	1.3558E-06	1.8911E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
332	1.28	1.3558E-06	1.742E-06	3.46E-04	6.03E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
333	1.17	1.3558E-06	1.5902E-06	3.46E-04	5.50E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
334	1.04	1.3558E-06	1.4147E-06	3.46E-04	4.90E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
335	0.93	1.3558E-06	1.2641E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
336	0.84	1.3558E-06	1.138E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
337	0.36	1.3558E-06	4.884E-07	3.46E-04	1.69E-10	0.25	1.57E-01	6.64E-12	1,000,000	6.64E-06
338	0.40	1.3558E-06	5.4532E-07	3.46E-04	1.89E-10	0.25	1.57E-01	7.42E-12	1,000,000	7.42E-06
339	0.45	1.3558E-06	6.0439E-07	3.46E-04	2.09E-10	0.25	1.57E-01	8.22E-12	1,000,000	8.22E-06
340	0.51	1.3558E-06	6.9152E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.40E-12	1,000,000	9.40E-06
341	0.57	1.3558E-06	7.7573E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
342	0.68	1.3558E-06	9.213E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
343	0.76	1.3558E-06	1.0369E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
344	0.88	1.3558E-06	1.1992E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
345	1.01	1.3558E-06	1.3743E-06	3.46E-04	4.76E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
346	1.17	1.3558E-06	1.5821E-06	3.46E-04	5.48E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
347	1.26	1.3558E-06	1.7063E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
348	1.34	1.3558E-06	1.8183E-06	3.46E-04	6.29E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
349	1.23	1.3558E-06	1.6632E-06	3.46E-04	5.76E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.21	1.3558E-06	1.6386E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
351	1.18	1.3558E-06	1.606E-06	3.46E-04	5.56E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
352	1.12	1.3558E-06	1.5129E-06	3.46E-04	5.24E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
353	1.12	1.3558E-06	1.5197E-06	3.46E-04	5.26E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
354	1.07	1.3558E-06	1.4454E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
355	1.01	1.3558E-06	1.3721E-06	3.46E-04	4.75E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
356	0.94	1.3558E-06	1.2779E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
357	0.87	1.3558E-06	1.1788E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
358	0.80	1.3558E-06	1.0791E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
359	0.31	1.3558E-06	4.1682E-07	3.46E-04	1.44E-10	0.25	1.57E-01	5.67E-12	1,000,000	5.67E-06
360	0.34	1.3558E-06	4.6403E-07	3.46E-04	1.61E-10	0.25	1.57E-01	6.31E-12	1,000,000	6.31E-06
361	0.38	1.3558E-06	5.1348E-07	3.46E-04	1.78E-10	0.25	1.57E-01	6.98E-12	1,000,000	6.98E-06
362	0.42	1.3558E-06	5.7047E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.76E-12	1,000,000	7.76E-06
363	0.46	1.3558E-06	6.3E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.57E-12	1,000,000	8.57E-06
364	0.53	1.3558E-06	7.2109E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.81E-12	1,000,000	9.81E-06
365	0.61	1.3558E-06	8.2161E-07	3.46E-04	2.84E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
366	0.69	1.3558E-06	9.3826E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
367	0.80	1.3558E-06	1.0811E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
368	0.88	1.3558E-06	1.1879E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
369	0.92	1.3558E-06	1.2471E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
370	0.92	1.3558E-06	1.2532E-06	3.46E-04	4.34E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
371	0.94	1.3558E-06	1.2768E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
372	0.93	1.3558E-06	1.2644E-06	3.46E-04	4.38E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
373	0.89	1.3558E-06	1.2104E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
374	0.85	1.3558E-06	1.159E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
375	0.87	1.3558E-06	1.1804E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
376	0.85	1.3558E-06	1.1507E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
377	0.84	1.3558E-06	1.1325E-06	3.46E-04	3.92E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
378	0.82	1.3558E-06	1.1166E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
379	0.77	1.3558E-06	1.0499E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
380	0.73	1.3558E-06	9.8533E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
381	1.28	1.3558E-06	1.7353E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
382	1.48	1.3558E-06	2.007E-06	3.46E-04	6.95E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.72	1.3558E-06	2.3295E-06	3.46E-04	8.06E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
384	1.99	1.3558E-06	2.7024E-06	3.46E-04	9.35E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
385	2.30	1.3558E-06	3.1133E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.23E-11	1,000,000	4.23E-05
386	2.60	1.3558E-06	3.522E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.79E-11	1,000,000	4.79E-05
387	2.85	1.3558E-06	3.8621E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.25E-11	1,000,000	5.25E-05
388	3.00	1.3558E-06	4.064E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
389	3.00	1.3558E-06	4.069E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.53E-11	1,000,000	5.53E-05
390	2.86	1.3558E-06	3.8784E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.27E-11	1,000,000	5.27E-05
391	2.61	1.3558E-06	3.5449E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
392	2.32	1.3558E-06	3.1467E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
393	2.02	1.3558E-06	2.7447E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
394	1.75	1.3558E-06	2.3791E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
395	1.52	1.3558E-06	2.0546E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
396	1.31	1.3558E-06	1.7809E-06	3.46E-04	6.16E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
397	1.14	1.3558E-06	1.5523E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
398	1.00	1.3558E-06	1.3606E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
399	1.42	1.3558E-06	1.928E-06	3.46E-04	6.67E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
400	1.68	1.3558E-06	2.2804E-06	3.46E-04	7.89E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
401	2.01	1.3558E-06	2.7233E-06	3.46E-04	9.43E-10	0.25	1.57E-01	3.70E-11	1,000,000	3.70E-05
402	2.41	1.3558E-06	3.2711E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.45E-11	1,000,000	4.45E-05
403	2.89	1.3558E-06	3.9226E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.33E-11	1,000,000	5.33E-05
404	3.41	1.3558E-06	4.6283E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.29E-11	1,000,000	6.29E-05
405	3.89	1.3558E-06	5.2733E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.17E-11	1,000,000	7.17E-05
406	4.19	1.3558E-06	5.6756E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.72E-11	1,000,000	7.72E-05
407	4.19	1.3558E-06	5.6843E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.73E-11	1,000,000	7.73E-05
408	3.92	1.3558E-06	5.3101E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.22E-11	1,000,000	7.22E-05
409	3.45	1.3558E-06	4.6818E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.37E-11	1,000,000	6.37E-05
410	2.94	1.3558E-06	3.9821E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
411	2.47	1.3558E-06	3.3457E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
412	2.07	1.3558E-06	2.8082E-06	3.46E-04	9.72E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
413	1.74	1.3558E-06	2.3624E-06	3.46E-04	8.18E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
414	1.48	1.3558E-06	2.0049E-06	3.46E-04	6.94E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
415	1.27	1.3558E-06	1.7165E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.09	1.3558E-06	1.48E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
417	1.56	1.3558E-06	2.1213E-06	3.46E-04	7.34E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
418	1.89	1.3558E-06	2.569E-06	3.46E-04	8.89E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
419	2.34	1.3558E-06	3.1669E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
420	2.93	1.3558E-06	3.9705E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.40E-11	1,000,000	5.40E-05
421	3.71	1.3558E-06	5.0366E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
422	4.70	1.3558E-06	6.3694E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.66E-11	1,000,000	8.66E-05
423	5.72	1.3558E-06	7.7603E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
424	6.42	1.3558E-06	8.6974E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
425	6.41	1.3558E-06	8.6847E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
426	5.74	1.3558E-06	7.7888E-06	3.46E-04	2.70E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
427	4.75	1.3558E-06	6.4431E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.76E-11	1,000,000	8.76E-05
428	3.81	1.3558E-06	5.1623E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
429	3.04	1.3558E-06	4.1185E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.60E-11	1,000,000	5.60E-05
430	2.45	1.3558E-06	3.315E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.51E-11	1,000,000	4.51E-05
431	2.00	1.3558E-06	2.7084E-06	3.46E-04	9.38E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
432	1.66	1.3558E-06	2.2475E-06	3.46E-04	7.78E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
433	1.40	1.3558E-06	1.8972E-06	3.46E-04	6.57E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
434	1.19	1.3558E-06	1.6154E-06	3.46E-04	5.59E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
435	1.69	1.3558E-06	2.2908E-06	3.46E-04	7.93E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
436	2.10	1.3558E-06	2.846E-06	3.46E-04	9.85E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
437	2.68	1.3558E-06	3.627E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.93E-11	1,000,000	4.93E-05
438	3.52	1.3558E-06	4.7772E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.50E-11	1,000,000	6.50E-05
439	4.82	1.3558E-06	6.5314E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.88E-11	1,000,000	8.88E-05
440	6.79	1.3558E-06	9.2019E-06	3.46E-04	3.19E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
441	9.40	1.3558E-06	1.2739E-05	3.46E-04	4.41E-09	0.25	1.57E-01	1.73E-10	1,000,000	1.73E-04
442	11.46	1.3558E-06	1.5533E-05	3.46E-04	5.38E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
443	11.44	1.3558E-06	1.5504E-05	3.46E-04	5.37E-09	0.25	1.57E-01	2.11E-10	1,000,000	2.11E-04
444	9.42	1.3558E-06	1.2766E-05	3.46E-04	4.42E-09	0.25	1.57E-01	1.74E-10	1,000,000	1.74E-04
445	6.93	1.3558E-06	9.4003E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
446	5.04	1.3558E-06	6.8381E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.30E-11	1,000,000	9.30E-05
447	3.76	1.3558E-06	5.1E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
448	2.89	1.3558E-06	3.9133E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.29	1.3558E-06	3.0988E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.21E-11	1,000,000	4.21E-05
450	1.86	1.3558E-06	2.5161E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
451	1.53	1.3558E-06	2.0751E-06	3.46E-04	7.18E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05
452	1.29	1.3558E-06	1.7494E-06	3.46E-04	6.06E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
453	1.72	1.3558E-06	2.3256E-06	3.46E-04	8.05E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
454	2.22	1.3558E-06	3.007E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
455	2.97	1.3558E-06	4.0307E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.48E-11	1,000,000	5.48E-05
456	4.11	1.3558E-06	5.5688E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.57E-11	1,000,000	7.57E-05
457	6.11	1.3558E-06	8.289E-06	3.46E-04	2.87E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
458	10.16	1.3558E-06	1.3771E-05	3.46E-04	4.77E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
459	19.12	1.3558E-06	2.5928E-05	3.46E-04	8.98E-09	0.25	1.57E-01	3.53E-10	1,000,000	3.53E-04
460	29.09	1.3558E-06	3.9441E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.36E-10	1,000,000	5.36E-04
461	28.78	1.3558E-06	3.9018E-05	3.46E-04	1.35E-08	0.25	1.57E-01	5.31E-10	1,000,000	5.31E-04
462	19.07	1.3558E-06	2.5855E-05	3.46E-04	8.95E-09	0.25	1.57E-01	3.52E-10	1,000,000	3.52E-04
463	10.79	1.3558E-06	1.4622E-05	3.46E-04	5.06E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
464	6.77	1.3558E-06	9.1733E-06	3.46E-04	3.18E-09	0.25	1.57E-01	1.25E-10	1,000,000	1.25E-04
465	4.64	1.3558E-06	6.2933E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.56E-11	1,000,000	8.56E-05
466	3.39	1.3558E-06	4.5994E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
467	2.60	1.3558E-06	3.5206E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.79E-11	1,000,000	4.79E-05
468	2.06	1.3558E-06	2.7876E-06	3.46E-04	9.65E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
469	1.67	1.3558E-06	2.2674E-06	3.46E-04	7.85E-10	0.25	1.57E-01	3.08E-11	1,000,000	3.08E-05
470	1.39	1.3558E-06	1.8854E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
471	1.62	1.3558E-06	2.1974E-06	3.46E-04	7.61E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
472	2.17	1.3558E-06	2.936E-06	3.46E-04	1.02E-09	0.25	1.57E-01	3.99E-11	1,000,000	3.99E-05
473	3.04	1.3558E-06	4.1241E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.61E-11	1,000,000	5.61E-05
474	4.40	1.3558E-06	5.9694E-06	3.46E-04	2.07E-09	0.25	1.57E-01	8.12E-11	1,000,000	8.12E-05
475	7.07	1.3558E-06	9.5827E-06	3.46E-04	3.32E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
476	3.90	1.3558E-06	5.2814E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.18E-11	1,000,000	7.18E-05
477	2.89	1.3558E-06	3.9136E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
478	2.25	1.3558E-06	3.0517E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
479	1.81	1.3558E-06	2.4486E-06	3.46E-04	8.48E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
480	1.48	1.3558E-06	2.0118E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
481	1.50	1.3558E-06	2.0396E-06	3.46E-04	7.06E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

							Cancer Risk from 3rd Trimester			
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	2.04	1.3558E-06	2.7622E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
483	2.75	1.3558E-06	3.7337E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
484	4.03	1.3558E-06	5.4665E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.43E-11	1,000,000	7.43E-05
485	6.88	1.3558E-06	9.3236E-06	3.46E-04	3.23E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
486	4.23	1.3558E-06	5.7387E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.80E-11	1,000,000	7.80E-05
487	3.11	1.3558E-06	4.2156E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.73E-11	1,000,000	5.73E-05
488	2.39	1.3558E-06	3.2384E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.40E-11	1,000,000	4.40E-05
489	1.90	1.3558E-06	2.5821E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
490	1.56	1.3558E-06	2.1113E-06	3.46E-04	7.31E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
491	1.33	1.3558E-06	1.7985E-06	3.46E-04	6.23E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
492	1.76	1.3558E-06	2.3831E-06	3.46E-04	8.25E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
493	2.34	1.3558E-06	3.1764E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
494	3.38	1.3558E-06	4.5825E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.23E-11	1,000,000	6.23E-05
495	5.40	1.3558E-06	7.3278E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.97E-11	1,000,000	9.97E-05
496	27.90	1.3558E-06	3.7828E-05	3.46E-04	1.31E-08	0.25	1.57E-01	5.14E-10	1,000,000	5.14E-04
497	48.75	1.3558E-06	6.609E-05	3.46E-04	2.29E-08	0.25	1.57E-01	8.99E-10	1,000,000	8.99E-04
498	6.14	1.3558E-06	8.3214E-06	3.46E-04	2.88E-09	0.25	1.57E-01	1.13E-10	1,000,000	1.13E-04
499	4.28	1.3558E-06	5.8037E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.89E-11	1,000,000	7.89E-05
500	3.16	1.3558E-06	4.2828E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
501	2.44	1.3558E-06	3.3064E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
502	1.94	1.3558E-06	2.6367E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
503	1.59	1.3558E-06	2.1582E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.94E-11	1,000,000	2.94E-05
504	1.14	1.3558E-06	1.5415E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
505	1.42	1.3558E-06	1.9258E-06	3.46E-04	6.67E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
506	1.96	1.3558E-06	2.6533E-06	3.46E-04	9.18E-10	0.25	1.57E-01	3.61E-11	1,000,000	3.61E-05
507	2.62	1.3558E-06	3.5497E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
508	3.97	1.3558E-06	5.3772E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.31E-11	1,000,000	7.31E-05
509	5.93	1.3558E-06	8.0454E-06	3.46E-04	2.79E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
510	9.05	1.3558E-06	1.2269E-05	3.46E-04	4.25E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
511	13.22	1.3558E-06	1.7921E-05	3.46E-04	6.20E-09	0.25	1.57E-01	2.44E-10	1,000,000	2.44E-04
512	25.61	1.3558E-06	3.4724E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.72E-10	1,000,000	4.72E-04
513	48.53	1.3558E-06	6.5793E-05	3.46E-04	2.28E-08	0.25	1.57E-01	8.95E-10	1,000,000	8.95E-04
514	14.22	1.3558E-06	1.9276E-05	3.46E-04	6.67E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	8.19	1.3558E-06	1.1107E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
516	5.49	1.3558E-06	7.4473E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
517	3.97	1.3558E-06	5.3811E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.32E-11	1,000,000	7.32E-05
518	3.01	1.3558E-06	4.0819E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.55E-11	1,000,000	5.55E-05
519	2.37	1.3558E-06	3.2076E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
520	1.91	1.3558E-06	2.5903E-06	3.46E-04	8.97E-10	0.25	1.57E-01	3.52E-11	1,000,000	3.52E-05
521	1.58	1.3558E-06	2.1387E-06	3.46E-04	7.40E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
522	0.95	1.3558E-06	1.2885E-06	3.46E-04	4.46E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
523	1.20	1.3558E-06	1.6284E-06	3.46E-04	5.64E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
524	1.55	1.3558E-06	2.0955E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
525	2.01	1.3558E-06	2.7317E-06	3.46E-04	9.46E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05
526	2.59	1.3558E-06	3.5157E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.78E-11	1,000,000	4.78E-05
527	3.85	1.3558E-06	5.2189E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.10E-11	1,000,000	7.10E-05
528	5.25	1.3558E-06	7.1184E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.68E-11	1,000,000	9.68E-05
529	7.09	1.3558E-06	9.6088E-06	3.46E-04	3.33E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
530	9.86	1.3558E-06	1.3367E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
531	10.70	1.3558E-06	1.4506E-05	3.46E-04	5.02E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
532	8.29	1.3558E-06	1.1241E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
533	5.99	1.3558E-06	8.1244E-06	3.46E-04	2.81E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
534	4.45	1.3558E-06	6.0366E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.21E-11	1,000,000	8.21E-05
535	3.42	1.3558E-06	4.6398E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.31E-11	1,000,000	6.31E-05
536	2.70	1.3558E-06	3.6665E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.99E-11	1,000,000	4.99E-05
537	2.19	1.3558E-06	2.9649E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
538	1.80	1.3558E-06	2.4449E-06	3.46E-04	8.46E-10	0.25	1.57E-01	3.32E-11	1,000,000	3.32E-05
539	1.51	1.3558E-06	2.0494E-06	3.46E-04	7.09E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
540	0.80	1.3558E-06	1.0779E-06	3.46E-04	3.73E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
541	0.98	1.3558E-06	1.3229E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
542	1.21	1.3558E-06	1.6388E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
543	1.52	1.3558E-06	2.0585E-06	3.46E-04	7.13E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
544	1.99	1.3558E-06	2.7047E-06	3.46E-04	9.36E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
545	2.52	1.3558E-06	3.4184E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
546	3.30	1.3558E-06	4.4701E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.08E-11	1,000,000	6.08E-05
547	4.10	1.3558E-06	5.5565E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.56E-11	1,000,000	7.56E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	4.98	1.3558E-06	6.7565E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.19E-11	1,000,000	9.19E-05
549	5.36	1.3558E-06	7.2635E-06	3.46E-04	2.51E-09	0.25	1.57E-01	9.88E-11	1,000,000	9.88E-05
550	5.01	1.3558E-06	6.7945E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
551	4.23	1.3558E-06	5.7402E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.81E-11	1,000,000	7.81E-05
552	3.44	1.3558E-06	4.6575E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
553	2.81	1.3558E-06	3.8162E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.19E-11	1,000,000	5.19E-05
554	2.33	1.3558E-06	3.1626E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.30E-11	1,000,000	4.30E-05
555	1.95	1.3558E-06	2.6406E-06	3.46E-04	9.14E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
556	1.65	1.3558E-06	2.2321E-06	3.46E-04	7.73E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
557	1.41	1.3558E-06	1.9076E-06	3.46E-04	6.60E-10	0.25	1.57E-01	2.59E-11	1,000,000	2.59E-05
558	0.67	1.3558E-06	9.0534E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
559	0.80	1.3558E-06	1.0866E-06	3.46E-04	3.76E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
560	0.94	1.3558E-06	1.2752E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
561	1.15	1.3558E-06	1.5612E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
562	1.38	1.3558E-06	1.8713E-06	3.46E-04	6.48E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
563	1.69	1.3558E-06	2.2972E-06	3.46E-04	7.95E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
564	2.16	1.3558E-06	2.9274E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
565	2.56	1.3558E-06	3.4713E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.72E-11	1,000,000	4.72E-05
566	3.04	1.3558E-06	4.1216E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.61E-11	1,000,000	5.61E-05
567	3.24	1.3558E-06	4.3986E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.98E-11	1,000,000	5.98E-05
568	3.29	1.3558E-06	4.4607E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.07E-11	1,000,000	6.07E-05
569	2.87	1.3558E-06	3.8937E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
570	2.52	1.3558E-06	3.4188E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.65E-11	1,000,000	4.65E-05
571	2.25	1.3558E-06	3.0495E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
572	1.97	1.3558E-06	2.668E-06	3.46E-04	9.24E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
573	1.70	1.3558E-06	2.3013E-06	3.46E-04	7.97E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
574	1.47	1.3558E-06	1.9956E-06	3.46E-04	6.91E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
575	1.28	1.3558E-06	1.7374E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.3558E-06	1.1271E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.7E-04
2	1.3558E-06	1.2473E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
3	1.3558E-06	1.3804E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.53E-10	1,000,000	4.53E-04
4	1.3558E-06	1.5239E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
5	1.3558E-06	1.6752E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
6	1.3558E-06	1.8274E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
7	1.3558E-06	1.9673E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.46E-10	1,000,000	6.46E-04
8	1.3558E-06	2.0832E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.84E-10	1,000,000	6.84E-04
9	1.3558E-06	2.1629E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.10E-10	1,000,000	7.10E-04
10	1.3558E-06	2.1921E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.20E-10	1,000,000	7.20E-04
11	1.3558E-06	2.1667E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.12E-10	1,000,000	7.12E-04
12	1.3558E-06	2.0918E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
13	1.3558E-06	1.978E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
14	1.3558E-06	1.8394E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.04E-10	1,000,000	6.04E-04
15	1.3558E-06	1.69E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
16	1.3558E-06	1.5385E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
17	1.3558E-06	1.3964E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.59E-10	1,000,000	4.59E-04
18	1.3558E-06	1.2641E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
19	1.3558E-06	1.1424E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
20	1.3558E-06	1.0356E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.40E-10	1,000,000	3.40E-04
21	1.3558E-06	9.4009E-07	1.05E-03	9.83E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
22	1.3558E-06	8.5437E-07	1.05E-03	8.93E-10	2.00	1.57E-01	2.81E-10	1,000,000	2.81E-04
23	1.3558E-06	1.2355E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
24	1.3558E-06	1.3854E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.55E-10	1,000,000	4.55E-04
25	1.3558E-06	1.5562E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
26	1.3558E-06	1.7478E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.74E-10	1,000,000	5.74E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.3558E-06	1.9562E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.43E-10	1,000,000	6.43E-04
28	1.3558E-06	2.1757E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.15E-10	1,000,000	7.15E-04
29	1.3558E-06	2.3846E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.83E-10	1,000,000	7.83E-04
30	1.3558E-06	2.567E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.43E-10	1,000,000	8.43E-04
31	1.3558E-06	2.6909E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.84E-10	1,000,000	8.84E-04
32	1.3558E-06	2.7365E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.99E-10	1,000,000	8.99E-04
33	1.3558E-06	2.693E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.85E-10	1,000,000	8.85E-04
34	1.3558E-06	2.5762E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.46E-10	1,000,000	8.46E-04
35	1.3558E-06	2.4025E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.89E-10	1,000,000	7.89E-04
36	1.3558E-06	2.1983E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
37	1.3558E-06	1.9775E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
38	1.3558E-06	1.7698E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
39	1.3558E-06	1.5821E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
40	1.3558E-06	1.4116E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.64E-10	1,000,000	4.64E-04
41	1.3558E-06	1.2596E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
42	1.3558E-06	1.1268E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
43	1.3558E-06	1.0113E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
44	1.3558E-06	9.1582E-07	1.05E-03	9.57E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
45	1.3558E-06	1.3509E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
46	1.3558E-06	1.5368E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
47	1.3558E-06	1.7563E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.77E-10	1,000,000	5.77E-04
48	1.3558E-06	2.013E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
49	1.3558E-06	2.3057E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.57E-10	1,000,000	7.57E-04
50	1.3558E-06	2.6269E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.63E-10	1,000,000	8.63E-04
51	1.3558E-06	2.9548E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.71E-10	1,000,000	9.71E-04
52	1.3558E-06	3.2499E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.3558E-06	3.4628E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
54	1.3558E-06	3.5384E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
55	1.3558E-06	3.4648E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
56	1.3558E-06	3.2631E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
57	1.3558E-06	2.9773E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.78E-10	1,000,000	9.78E-04
58	1.3558E-06	2.6652E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
59	1.3558E-06	2.3401E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.69E-10	1,000,000	7.69E-04
60	1.3558E-06	2.0481E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.73E-10	1,000,000	6.73E-04
61	1.3558E-06	1.7963E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
62	1.3558E-06	1.5751E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
63	1.3558E-06	1.3866E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.55E-10	1,000,000	4.55E-04
64	1.3558E-06	1.2273E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
65	1.3558E-06	1.0933E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.59E-10	1,000,000	3.59E-04
66	1.3558E-06	9.7952E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
67	1.3558E-06	1.4697E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.83E-10	1,000,000	4.83E-04
68	1.3558E-06	1.6977E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.58E-10	1,000,000	5.58E-04
69	1.3558E-06	1.9778E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
70	1.3558E-06	2.3203E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.62E-10	1,000,000	7.62E-04
71	1.3558E-06	2.7351E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.98E-10	1,000,000	8.98E-04
72	1.3558E-06	3.2215E-06	1.05E-03	3.37E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
73	1.3558E-06	3.7565E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
74	1.3558E-06	4.2691E-06	1.05E-03	4.46E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
75	1.3558E-06	4.6562E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
76	1.3558E-06	4.8063E-06	1.05E-03	5.02E-09	2.00	1.57E-01	1.58E-09	1,000,000	1.58E-03
77	1.3558E-06	4.6713E-06	1.05E-03	4.88E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
78	1.3558E-06	4.3047E-06	1.05E-03	4.50E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
79	1.3558E-06	3.7981E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
80	1.3558E-06	3.2755E-06	1.05E-03	3.42E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
81	1.3558E-06	2.795E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
82	1.3558E-06	2.3876E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.84E-10	1,000,000	7.84E-04
83	1.3558E-06	2.041E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.70E-10	1,000,000	6.70E-04
84	1.3558E-06	1.7585E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
85	1.3558E-06	1.5186E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.3558E-06	1.3329E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.38E-10	1,000,000	4.38E-04
87	1.3558E-06	1.1751E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.86E-10	1,000,000	3.86E-04
88	1.3558E-06	1.0449E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.43E-10	1,000,000	3.43E-04
89	1.3558E-06	1.5859E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
90	1.3558E-06	1.8609E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.11E-10	1,000,000	6.11E-04
91	1.3558E-06	2.2121E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.27E-10	1,000,000	7.27E-04
92	1.3558E-06	2.6654E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
93	1.3558E-06	3.2524E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
94	1.3558E-06	3.9995E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
95	1.3558E-06	4.9093E-06	1.05E-03	5.13E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
96	1.3558E-06	5.8878E-06	1.05E-03	6.15E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
97	1.3558E-06	6.6992E-06	1.05E-03	7.00E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
98	1.3558E-06	7.0191E-06	1.05E-03	7.34E-09	2.00	1.57E-01	2.31E-09	1,000,000	2.31E-03
99	1.3558E-06	6.7048E-06	1.05E-03	7.01E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
100	1.3558E-06	5.9282E-06	1.05E-03	6.20E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
101	1.3558E-06	4.9798E-06	1.05E-03	5.20E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
102	1.3558E-06	4.0937E-06	1.05E-03	4.28E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
103	1.3558E-06	3.3606E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
104	1.3558E-06	2.7732E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.11E-10	1,000,000	9.11E-04
105	1.3558E-06	2.3176E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.61E-10	1,000,000	7.61E-04
106	1.3558E-06	1.9569E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.43E-10	1,000,000	6.43E-04
107	1.3558E-06	1.6703E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
108	1.3558E-06	1.4431E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
109	1.3558E-06	1.2595E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
110	1.3558E-06	1.1118E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.65E-10	1,000,000	3.65E-04
111	1.3558E-06	1.6914E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.56E-10	1,000,000	5.56E-04
112	1.3558E-06	2.0147E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.62E-10	1,000,000	6.62E-04
113	1.3558E-06	2.4426E-06	1.05E-03	2.55E-09	2.00	1.57E-01	8.02E-10	1,000,000	8.02E-04
114	1.3558E-06	3.0255E-06	1.05E-03	3.16E-09	2.00	1.57E-01	9.94E-10	1,000,000	9.94E-04
115	1.3558E-06	3.8401E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
116	1.3558E-06	4.9914E-06	1.05E-03	5.22E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
117	1.3558E-06	6.6089E-06	1.05E-03	6.91E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
118	1.3558E-06	8.6937E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.3558E-06	1.0698E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
120	1.3558E-06	1.1544E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.79E-09	1,000,000	3.79E-03
121	1.3558E-06	1.0706E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.52E-09	1,000,000	3.52E-03
122	1.3558E-06	8.7545E-06	1.05E-03	9.15E-09	2.00	1.57E-01	2.88E-09	1,000,000	2.88E-03
123	1.3558E-06	6.7651E-06	1.05E-03	7.07E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
124	1.3558E-06	5.1959E-06	1.05E-03	5.43E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
125	1.3558E-06	4.0541E-06	1.05E-03	4.24E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
126	1.3558E-06	3.2232E-06	1.05E-03	3.37E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
127	1.3558E-06	2.6213E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.61E-10	1,000,000	8.61E-04
128	1.3558E-06	2.171E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.13E-10	1,000,000	7.13E-04
129	1.3558E-06	1.8244E-06	1.05E-03	1.91E-09	2.00	1.57E-01	5.99E-10	1,000,000	5.99E-04
130	1.3558E-06	1.5589E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
131	1.3558E-06	1.3474E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
132	1.3558E-06	1.1798E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
133	1.3558E-06	1.7334E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.69E-10	1,000,000	5.69E-04
134	1.3558E-06	2.1212E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
135	1.3558E-06	2.6259E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.63E-10	1,000,000	8.63E-04
136	1.3558E-06	3.3615E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
137	1.3558E-06	4.4389E-06	1.05E-03	4.64E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
138	1.3558E-06	6.1506E-06	1.05E-03	6.43E-09	2.00	1.57E-01	2.02E-09	1,000,000	2.02E-03
139	1.3558E-06	9.053E-06	1.05E-03	9.46E-09	2.00	1.57E-01	2.97E-09	1,000,000	2.97E-03
140	1.3558E-06	1.4109E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.63E-09	1,000,000	4.63E-03
141	1.3558E-06	2.0773E-05	1.05E-03	2.17E-08	2.00	1.57E-01	6.82E-09	1,000,000	6.82E-03
142	1.3558E-06	2.3813E-05	1.05E-03	2.49E-08	2.00	1.57E-01	7.82E-09	1,000,000	7.82E-03
143	1.3558E-06	2.0671E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
144	1.3558E-06	1.4286E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
145	1.3558E-06	9.5232E-06	1.05E-03	9.95E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
146	1.3558E-06	6.6493E-06	1.05E-03	6.95E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
147	1.3558E-06	4.8859E-06	1.05E-03	5.11E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
148	1.3558E-06	3.7326E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
149	1.3558E-06	2.954E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
150	1.3558E-06	2.3929E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.86E-10	1,000,000	7.86E-04
151	1.3558E-06	1.9816E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.51E-10	1,000,000	6.51E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.3558E-06	1.6748E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
153	1.3558E-06	1.4357E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
154	1.3558E-06	1.2473E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
155	1.3558E-06	1.5883E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.22E-10	1,000,000	5.22E-04
156	1.3558E-06	1.985E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.52E-10	1,000,000	6.52E-04
157	1.3558E-06	2.6222E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.61E-10	1,000,000	8.61E-04
158	1.3558E-06	3.4408E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
159	1.3558E-06	4.8793E-06	1.05E-03	5.10E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
160	1.3558E-06	7.1815E-06	1.05E-03	7.51E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
161	1.3558E-06	1.19E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.91E-09	1,000,000	3.91E-03
162	1.3558E-06	2.4952E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.20E-09	1,000,000	8.20E-03
163	1.3558E-06	7.9573E-05	1.05E-03	8.32E-08	2.00	1.57E-01	2.61E-08	1,000,000	2.61E-02
164	1.3558E-06	9.6676E-05	1.05E-03	1.01E-07	2.00	1.57E-01	3.18E-08	1,000,000	3.18E-02
165	1.3558E-06	7.5278E-05	1.05E-03	7.87E-08	2.00	1.57E-01	2.47E-08	1,000,000	2.47E-02
166	1.3558E-06	2.6658E-05	1.05E-03	2.79E-08	2.00	1.57E-01	8.76E-09	1,000,000	8.76E-03
167	1.3558E-06	1.3629E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.48E-09	1,000,000	4.48E-03
168	1.3558E-06	8.4592E-06	1.05E-03	8.84E-09	2.00	1.57E-01	2.78E-09	1,000,000	2.78E-03
169	1.3558E-06	5.8252E-06	1.05E-03	6.09E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
170	1.3558E-06	4.2724E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
171	1.3558E-06	3.2802E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
172	1.3558E-06	2.6175E-06	1.05E-03	2.74E-09	2.00	1.57E-01	8.60E-10	1,000,000	8.60E-04
173	1.3558E-06	2.1394E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.03E-10	1,000,000	7.03E-04
174	1.3558E-06	1.788E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.87E-10	1,000,000	5.87E-04
175	1.3558E-06	1.5224E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
176	1.3558E-06	1.3139E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.32E-10	1,000,000	4.32E-04
177	1.3558E-06	1.5032E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04
178	1.3558E-06	1.909E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.27E-10	1,000,000	6.27E-04
179	1.3558E-06	2.5452E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
180	1.3558E-06	3.4907E-06	1.05E-03	3.65E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
181	1.3558E-06	4.9466E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
182	1.3558E-06	7.5249E-06	1.05E-03	7.87E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
183	1.3558E-06	1.334E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.38E-09	1,000,000	4.38E-03
184	1.3558E-06	6.6393E-06	1.05E-03	6.94E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.3558E-06	4.7238E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
186	1.3558E-06	3.579E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
187	1.3558E-06	2.8106E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.23E-10	1,000,000	9.23E-04
188	1.3558E-06	2.2741E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.47E-10	1,000,000	7.47E-04
189	1.3558E-06	1.8871E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.20E-10	1,000,000	6.20E-04
190	1.3558E-06	1.596E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.24E-10	1,000,000	5.24E-04
191	1.3558E-06	1.3705E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.50E-10	1,000,000	4.50E-04
192	1.3558E-06	1.3618E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
193	1.3558E-06	1.7113E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.62E-10	1,000,000	5.62E-04
194	1.3558E-06	2.2634E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.44E-10	1,000,000	7.44E-04
195	1.3558E-06	3.054E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
196	1.3558E-06	4.4135E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
197	1.3558E-06	6.5375E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
198	1.3558E-06	1.1484E-05	1.05E-03	1.20E-08	2.00	1.57E-01	3.77E-09	1,000,000	3.77E-03
199	1.3558E-06	5.1748E-05	1.05E-03	5.41E-08	2.00	1.57E-01	1.70E-08	1,000,000	1.70E-02
200	1.3558E-06	6.9794E-06	1.05E-03	7.29E-09	2.00	1.57E-01	2.29E-09	1,000,000	2.29E-03
201	1.3558E-06	4.9648E-06	1.05E-03	5.19E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
202	1.3558E-06	3.7306E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
203	1.3558E-06	2.9253E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.61E-10	1,000,000	9.61E-04
204	1.3558E-06	2.3617E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.76E-10	1,000,000	7.76E-04
205	1.3558E-06	1.9536E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
206	1.3558E-06	1.6475E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.41E-10	1,000,000	5.41E-04
207	1.3558E-06	1.4124E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.64E-10	1,000,000	4.64E-04
208	1.3558E-06	1.2074E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
209	1.3558E-06	1.5049E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04
210	1.3558E-06	1.858E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.10E-10	1,000,000	6.10E-04
211	1.3558E-06	2.5163E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
212	1.3558E-06	3.436E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
213	1.3558E-06	5.0483E-06	1.05E-03	5.28E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
214	1.3558E-06	8.101E-06	1.05E-03	8.47E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
215	1.3558E-06	1.3537E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.45E-09	1,000,000	4.45E-03
216	1.3558E-06	2.2292E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.32E-09	1,000,000	7.32E-03
217	1.3558E-06	3.227E-05	1.05E-03	3.37E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.3558E-06	9.798E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
219	1.3558E-06	6.6597E-06	1.05E-03	6.96E-09	2.00	1.57E-01	2.19E-09	1,000,000	2.19E-03
220	1.3558E-06	4.8494E-06	1.05E-03	5.07E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
221	1.3558E-06	3.7012E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
222	1.3558E-06	2.9247E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.61E-10	1,000,000	9.61E-04
223	1.3558E-06	2.3747E-06	1.05E-03	2.48E-09	2.00	1.57E-01	7.80E-10	1,000,000	7.80E-04
224	1.3558E-06	1.9707E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.47E-10	1,000,000	6.47E-04
225	1.3558E-06	1.665E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.47E-10	1,000,000	5.47E-04
226	1.3558E-06	1.429E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
227	1.3558E-06	1.0511E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
228	1.3558E-06	1.2731E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
229	1.3558E-06	1.5715E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
230	1.3558E-06	2.0179E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.63E-10	1,000,000	6.63E-04
231	1.3558E-06	2.6808E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.81E-10	1,000,000	8.81E-04
232	1.3558E-06	3.5815E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
233	1.3558E-06	5.3561E-06	1.05E-03	5.60E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
234	1.3558E-06	7.6984E-06	1.05E-03	8.05E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
235	1.3558E-06	1.1125E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
236	1.3558E-06	1.6295E-05	1.05E-03	1.70E-08	2.00	1.57E-01	5.35E-09	1,000,000	5.35E-03
237	1.3558E-06	2.5831E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
238	1.3558E-06	1.9539E-05	1.05E-03	2.04E-08	2.00	1.57E-01	6.42E-09	1,000,000	6.42E-03
239	1.3558E-06	1.1812E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.88E-09	1,000,000	3.88E-03
240	1.3558E-06	7.9993E-06	1.05E-03	8.36E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
241	1.3558E-06	5.8058E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
242	1.3558E-06	4.4101E-06	1.05E-03	4.61E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
243	1.3558E-06	3.4641E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
244	1.3558E-06	2.7929E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.17E-10	1,000,000	9.17E-04
245	1.3558E-06	2.3006E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
246	1.3558E-06	1.9292E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.34E-10	1,000,000	6.34E-04
247	1.3558E-06	1.6424E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
248	1.3558E-06	1.4172E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
249	1.3558E-06	9.1641E-07	1.05E-03	9.58E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
250	1.3558E-06	1.0831E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.3558E-06	1.2984E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
252	1.3558E-06	1.628E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.35E-10	1,000,000	5.35E-04
253	1.3558E-06	2.0538E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.75E-10	1,000,000	6.75E-04
254	1.3558E-06	2.7662E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.09E-10	1,000,000	9.09E-04
255	1.3558E-06	3.6239E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
256	1.3558E-06	5.0527E-06	1.05E-03	5.28E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
257	1.3558E-06	6.449E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
258	1.3558E-06	8.0659E-06	1.05E-03	8.43E-09	2.00	1.57E-01	2.65E-09	1,000,000	2.65E-03
259	1.3558E-06	9.812E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
260	1.3558E-06	9.4346E-06	1.05E-03	9.86E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
261	1.3558E-06	7.7101E-06	1.05E-03	8.06E-09	2.00	1.57E-01	2.53E-09	1,000,000	2.53E-03
262	1.3558E-06	6.0109E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
263	1.3558E-06	4.7315E-06	1.05E-03	4.95E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
264	1.3558E-06	3.7904E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
265	1.3558E-06	3.0915E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
266	1.3558E-06	2.5611E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.41E-10	1,000,000	8.41E-04
267	1.3558E-06	2.1531E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
268	1.3558E-06	1.8335E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
269	1.3558E-06	1.5794E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.19E-10	1,000,000	5.19E-04
270	1.3558E-06	1.3749E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.52E-10	1,000,000	4.52E-04
271	1.3558E-06	7.795E-07	1.05E-03	8.15E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
272	1.3558E-06	9.0307E-07	1.05E-03	9.44E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
273	1.3558E-06	1.0729E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.52E-10	1,000,000	3.52E-04
274	1.3558E-06	1.2903E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.24E-10	1,000,000	4.24E-04
275	1.3558E-06	1.5794E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.19E-10	1,000,000	5.19E-04
276	1.3558E-06	2.0016E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.58E-10	1,000,000	6.58E-04
277	1.3558E-06	2.5338E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
278	1.3558E-06	3.1426E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
279	1.3558E-06	3.9587E-06	1.05E-03	4.14E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
280	1.3558E-06	4.757E-06	1.05E-03	4.97E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
281	1.3558E-06	5.4146E-06	1.05E-03	5.66E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
282	1.3558E-06	5.6313E-06	1.05E-03	5.89E-09	2.00	1.57E-01	1.85E-09	1,000,000	1.85E-03
283	1.3558E-06	5.1453E-06	1.05E-03	5.38E-09	2.00	1.57E-01	1.69E-09	1,000,000	1.69E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.3558E-06	4.2832E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
285	1.3558E-06	3.7043E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
286	1.3558E-06	3.1608E-06	1.05E-03	3.30E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
287	1.3558E-06	2.6817E-06	1.05E-03	2.80E-09	2.00	1.57E-01	8.81E-10	1,000,000	8.81E-04
288	1.3558E-06	2.2857E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.51E-10	1,000,000	7.51E-04
289	1.3558E-06	1.9607E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.44E-10	1,000,000	6.44E-04
290	1.3558E-06	1.7004E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.59E-10	1,000,000	5.59E-04
291	1.3558E-06	1.4858E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.88E-10	1,000,000	4.88E-04
292	1.3558E-06	1.3082E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
293	1.3558E-06	6.6829E-07	1.05E-03	6.98E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
294	1.3558E-06	7.6779E-07	1.05E-03	8.02E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
295	1.3558E-06	8.8929E-07	1.05E-03	9.29E-10	2.00	1.57E-01	2.92E-10	1,000,000	2.92E-04
296	1.3558E-06	1.0322E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.39E-10	1,000,000	3.39E-04
297	1.3558E-06	1.2446E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.09E-10	1,000,000	4.09E-04
298	1.3558E-06	1.4979E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.92E-10	1,000,000	4.92E-04
299	1.3558E-06	1.8166E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
300	1.3558E-06	2.2528E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.40E-10	1,000,000	7.40E-04
301	1.3558E-06	2.5877E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.50E-10	1,000,000	8.50E-04
302	1.3558E-06	3.1024E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
303	1.3558E-06	3.4642E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
304	1.3558E-06	3.7052E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
305	1.3558E-06	3.5416E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
306	1.3558E-06	3.1335E-06	1.05E-03	3.28E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
307	1.3558E-06	2.8308E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.30E-10	1,000,000	9.30E-04
308	1.3558E-06	2.5454E-06	1.05E-03	2.66E-09	2.00	1.57E-01	8.36E-10	1,000,000	8.36E-04
309	1.3558E-06	2.2884E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.52E-10	1,000,000	7.52E-04
310	1.3558E-06	2.0157E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.62E-10	1,000,000	6.62E-04
311	1.3558E-06	1.7622E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
312	1.3558E-06	1.5502E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
313	1.3558E-06	1.3743E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
314	1.3558E-06	1.2247E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.02E-10	1,000,000	4.02E-04
315	1.3558E-06	5.6278E-07	1.05E-03	5.88E-10	2.00	1.57E-01	1.85E-10	1,000,000	1.85E-04
316	1.3558E-06	6.409E-07	1.05E-03	6.70E-10	2.00	1.57E-01	2.11E-10	1,000,000	2.11E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.3558E-06	7.3054E-07	1.05E-03	7.64E-10	2.00	1.57E-01	2.40E-10	1,000,000	2.40E-04
318	1.3558E-06	8.3412E-07	1.05E-03	8.72E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
319	1.3558E-06	9.5034E-07	1.05E-03	9.93E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
320	1.3558E-06	1.1634E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
321	1.3558E-06	1.3471E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
322	1.3558E-06	1.5842E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
323	1.3558E-06	1.8817E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.18E-10	1,000,000	6.18E-04
324	1.3558E-06	2.1462E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.05E-10	1,000,000	7.05E-04
325	1.3558E-06	2.3854E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.84E-10	1,000,000	7.84E-04
326	1.3558E-06	2.5559E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.40E-10	1,000,000	8.40E-04
327	1.3558E-06	2.8423E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.34E-10	1,000,000	9.34E-04
328	1.3558E-06	2.2894E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.52E-10	1,000,000	7.52E-04
329	1.3558E-06	2.1357E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.02E-10	1,000,000	7.02E-04
330	1.3558E-06	2.024E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.65E-10	1,000,000	6.65E-04
331	1.3558E-06	1.8911E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
332	1.3558E-06	1.742E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.72E-10	1,000,000	5.72E-04
333	1.3558E-06	1.5902E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.22E-10	1,000,000	5.22E-04
334	1.3558E-06	1.4147E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.65E-10	1,000,000	4.65E-04
335	1.3558E-06	1.2641E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
336	1.3558E-06	1.138E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
337	1.3558E-06	4.884E-07	1.05E-03	5.10E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
338	1.3558E-06	5.4532E-07	1.05E-03	5.70E-10	2.00	1.57E-01	1.79E-10	1,000,000	1.79E-04
339	1.3558E-06	6.0439E-07	1.05E-03	6.32E-10	2.00	1.57E-01	1.99E-10	1,000,000	1.99E-04
340	1.3558E-06	6.9152E-07	1.05E-03	7.23E-10	2.00	1.57E-01	2.27E-10	1,000,000	2.27E-04
341	1.3558E-06	7.7573E-07	1.05E-03	8.11E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
342	1.3558E-06	9.213E-07	1.05E-03	9.63E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
343	1.3558E-06	1.0369E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
344	1.3558E-06	1.1992E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
345	1.3558E-06	1.3743E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
346	1.3558E-06	1.5821E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.20E-10	1,000,000	5.20E-04
347	1.3558E-06	1.7063E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
348	1.3558E-06	1.8183E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
349	1.3558E-06	1.6632E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.46E-10	1,000,000	5.46E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.3558E-06	1.6386E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
351	1.3558E-06	1.606E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.28E-10	1,000,000	5.28E-04
352	1.3558E-06	1.5129E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
353	1.3558E-06	1.5197E-06	1.05E-03	1.59E-09	2.00	1.57E-01	4.99E-10	1,000,000	4.99E-04
354	1.3558E-06	1.4454E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
355	1.3558E-06	1.3721E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
356	1.3558E-06	1.2779E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.20E-10	1,000,000	4.20E-04
357	1.3558E-06	1.1788E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
358	1.3558E-06	1.0791E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04
359	1.3558E-06	4.1682E-07	1.05E-03	4.36E-10	2.00	1.57E-01	1.37E-10	1,000,000	1.37E-04
360	1.3558E-06	4.6403E-07	1.05E-03	4.85E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
361	1.3558E-06	5.1348E-07	1.05E-03	5.37E-10	2.00	1.57E-01	1.69E-10	1,000,000	1.69E-04
362	1.3558E-06	5.7047E-07	1.05E-03	5.96E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
363	1.3558E-06	6.3E-07	1.05E-03	6.58E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
364	1.3558E-06	7.2109E-07	1.05E-03	7.54E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
365	1.3558E-06	8.2161E-07	1.05E-03	8.59E-10	2.00	1.57E-01	2.70E-10	1,000,000	2.70E-04
366	1.3558E-06	9.3826E-07	1.05E-03	9.81E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
367	1.3558E-06	1.0811E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
368	1.3558E-06	1.1879E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
369	1.3558E-06	1.2471E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
370	1.3558E-06	1.2532E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
371	1.3558E-06	1.2768E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
372	1.3558E-06	1.2644E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.15E-10	1,000,000	4.15E-04
373	1.3558E-06	1.2104E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.98E-10	1,000,000	3.98E-04
374	1.3558E-06	1.159E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
375	1.3558E-06	1.1804E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
376	1.3558E-06	1.1507E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
377	1.3558E-06	1.1325E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.72E-10	1,000,000	3.72E-04
378	1.3558E-06	1.1166E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
379	1.3558E-06	1.0499E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
380	1.3558E-06	9.8533E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
381	1.3558E-06	1.7353E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.70E-10	1,000,000	5.70E-04
382	1.3558E-06	2.007E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.59E-10	1,000,000	6.59E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.3558E-06	2.3295E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.65E-10	1,000,000	7.65E-04
384	1.3558E-06	2.7024E-06	1.05E-03	2.82E-09	2.00	1.57E-01	8.88E-10	1,000,000	8.88E-04
385	1.3558E-06	3.1133E-06	1.05E-03	3.25E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
386	1.3558E-06	3.522E-06	1.05E-03	3.68E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
387	1.3558E-06	3.8621E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
388	1.3558E-06	4.064E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
389	1.3558E-06	4.069E-06	1.05E-03	4.25E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
390	1.3558E-06	3.8784E-06	1.05E-03	4.05E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
391	1.3558E-06	3.5449E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
392	1.3558E-06	3.1467E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
393	1.3558E-06	2.7447E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.02E-10	1,000,000	9.02E-04
394	1.3558E-06	2.3791E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
395	1.3558E-06	2.0546E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.75E-10	1,000,000	6.75E-04
396	1.3558E-06	1.7809E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.85E-10	1,000,000	5.85E-04
397	1.3558E-06	1.5523E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
398	1.3558E-06	1.3606E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
399	1.3558E-06	1.928E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.33E-10	1,000,000	6.33E-04
400	1.3558E-06	2.2804E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.49E-10	1,000,000	7.49E-04
401	1.3558E-06	2.7233E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.95E-10	1,000,000	8.95E-04
402	1.3558E-06	3.2711E-06	1.05E-03	3.42E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
403	1.3558E-06	3.9226E-06	1.05E-03	4.10E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
404	1.3558E-06	4.6283E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
405	1.3558E-06	5.2733E-06	1.05E-03	5.51E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
406	1.3558E-06	5.6756E-06	1.05E-03	5.93E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
407	1.3558E-06	5.6843E-06	1.05E-03	5.94E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
408	1.3558E-06	5.3101E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
409	1.3558E-06	4.6818E-06	1.05E-03	4.89E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
410	1.3558E-06	3.9821E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
411	1.3558E-06	3.3457E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
412	1.3558E-06	2.8082E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.22E-10	1,000,000	9.22E-04
413	1.3558E-06	2.3624E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.76E-10	1,000,000	7.76E-04
414	1.3558E-06	2.0049E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.59E-10	1,000,000	6.59E-04
415	1.3558E-06	1.7165E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.64E-10	1,000,000	5.64E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.3558E-06	1.48E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
417	1.3558E-06	2.1213E-06	1.05E-03	2.22E-09	2.00	1.57E-01	6.97E-10	1,000,000	6.97E-04
418	1.3558E-06	2.569E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.44E-10	1,000,000	8.44E-04
419	1.3558E-06	3.1669E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
420	1.3558E-06	3.9705E-06	1.05E-03	4.15E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
421	1.3558E-06	5.0366E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
422	1.3558E-06	6.3694E-06	1.05E-03	6.66E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
423	1.3558E-06	7.7603E-06	1.05E-03	8.11E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
424	1.3558E-06	8.6974E-06	1.05E-03	9.09E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
425	1.3558E-06	8.6847E-06	1.05E-03	9.08E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
426	1.3558E-06	7.7888E-06	1.05E-03	8.14E-09	2.00	1.57E-01	2.56E-09	1,000,000	2.56E-03
427	1.3558E-06	6.4431E-06	1.05E-03	6.73E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
428	1.3558E-06	5.1623E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
429	1.3558E-06	4.1185E-06	1.05E-03	4.30E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
430	1.3558E-06	3.315E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
431	1.3558E-06	2.7084E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.90E-10	1,000,000	8.90E-04
432	1.3558E-06	2.2475E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.38E-10	1,000,000	7.38E-04
433	1.3558E-06	1.8972E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.23E-10	1,000,000	6.23E-04
434	1.3558E-06	1.6154E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
435	1.3558E-06	2.2908E-06	1.05E-03	2.39E-09	2.00	1.57E-01	7.53E-10	1,000,000	7.53E-04
436	1.3558E-06	2.846E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
437	1.3558E-06	3.627E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
438	1.3558E-06	4.7772E-06	1.05E-03	4.99E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
439	1.3558E-06	6.5314E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
440	1.3558E-06	9.2019E-06	1.05E-03	9.62E-09	2.00	1.57E-01	3.02E-09	1,000,000	3.02E-03
441	1.3558E-06	1.2739E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.18E-09	1,000,000	4.18E-03
442	1.3558E-06	1.5533E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.10E-09	1,000,000	5.10E-03
443	1.3558E-06	1.5504E-05	1.05E-03	1.62E-08	2.00	1.57E-01	5.09E-09	1,000,000	5.09E-03
444	1.3558E-06	1.2766E-05	1.05E-03	1.33E-08	2.00	1.57E-01	4.19E-09	1,000,000	4.19E-03
445	1.3558E-06	9.4003E-06	1.05E-03	9.83E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
446	1.3558E-06	6.8381E-06	1.05E-03	7.15E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
447	1.3558E-06	5.1E-06	1.05E-03	5.33E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
448	1.3558E-06	3.9133E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.3558E-06	3.0988E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
450	1.3558E-06	2.5161E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
451	1.3558E-06	2.0751E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.82E-10	1,000,000	6.82E-04
452	1.3558E-06	1.7494E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.75E-10	1,000,000	5.75E-04
453	1.3558E-06	2.3256E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.64E-10	1,000,000	7.64E-04
454	1.3558E-06	3.007E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.88E-10	1,000,000	9.88E-04
455	1.3558E-06	4.0307E-06	1.05E-03	4.21E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
456	1.3558E-06	5.5688E-06	1.05E-03	5.82E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
457	1.3558E-06	8.289E-06	1.05E-03	8.66E-09	2.00	1.57E-01	2.72E-09	1,000,000	2.72E-03
458	1.3558E-06	1.3771E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
459	1.3558E-06	2.5928E-05	1.05E-03	2.71E-08	2.00	1.57E-01	8.52E-09	1,000,000	8.52E-03
460	1.3558E-06	3.9441E-05	1.05E-03	4.12E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
461	1.3558E-06	3.9018E-05	1.05E-03	4.08E-08	2.00	1.57E-01	1.28E-08	1,000,000	1.28E-02
462	1.3558E-06	2.5855E-05	1.05E-03	2.70E-08	2.00	1.57E-01	8.49E-09	1,000,000	8.49E-03
463	1.3558E-06	1.4622E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.80E-09	1,000,000	4.80E-03
464	1.3558E-06	9.1733E-06	1.05E-03	9.59E-09	2.00	1.57E-01	3.01E-09	1,000,000	3.01E-03
465	1.3558E-06	6.2933E-06	1.05E-03	6.58E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
466	1.3558E-06	4.5994E-06	1.05E-03	4.81E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
467	1.3558E-06	3.5206E-06	1.05E-03	3.68E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
468	1.3558E-06	2.7876E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.16E-10	1,000,000	9.16E-04
469	1.3558E-06	2.2674E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.45E-10	1,000,000	7.45E-04
470	1.3558E-06	1.8854E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
471	1.3558E-06	2.1974E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.22E-10	1,000,000	7.22E-04
472	1.3558E-06	2.936E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.64E-10	1,000,000	9.64E-04
473	1.3558E-06	4.1241E-06	1.05E-03	4.31E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
474	1.3558E-06	5.9694E-06	1.05E-03	6.24E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
475	1.3558E-06	9.5827E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.15E-09	1,000,000	3.15E-03
476	1.3558E-06	5.2814E-06	1.05E-03	5.52E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
477	1.3558E-06	3.9136E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
478	1.3558E-06	3.0517E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
479	1.3558E-06	2.4486E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.04E-10	1,000,000	8.04E-04
480	1.3558E-06	2.0118E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
481	1.3558E-06	2.0396E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.70E-10	1,000,000	6.70E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.3558E-06	2.7622E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
483	1.3558E-06	3.7337E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
484	1.3558E-06	5.4665E-06	1.05E-03	5.71E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
485	1.3558E-06	9.3236E-06	1.05E-03	9.75E-09	2.00	1.57E-01	3.06E-09	1,000,000	3.06E-03
486	1.3558E-06	5.7387E-06	1.05E-03	6.00E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
487	1.3558E-06	4.2156E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
488	1.3558E-06	3.2384E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
489	1.3558E-06	2.5821E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.48E-10	1,000,000	8.48E-04
490	1.3558E-06	2.1113E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.94E-10	1,000,000	6.94E-04
491	1.3558E-06	1.7985E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
492	1.3558E-06	2.3831E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.83E-10	1,000,000	7.83E-04
493	1.3558E-06	3.1764E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
494	1.3558E-06	4.5825E-06	1.05E-03	4.79E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
495	1.3558E-06	7.3278E-06	1.05E-03	7.66E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
496	1.3558E-06	3.7828E-05	1.05E-03	3.95E-08	2.00	1.57E-01	1.24E-08	1,000,000	1.24E-02
497	1.3558E-06	6.609E-05	1.05E-03	6.91E-08	2.00	1.57E-01	2.17E-08	1,000,000	2.17E-02
498	1.3558E-06	8.3214E-06	1.05E-03	8.70E-09	2.00	1.57E-01	2.73E-09	1,000,000	2.73E-03
499	1.3558E-06	5.8037E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
500	1.3558E-06	4.2828E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
501	1.3558E-06	3.3064E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
502	1.3558E-06	2.6367E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
503	1.3558E-06	2.1582E-06	1.05E-03	2.26E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
504	1.3558E-06	1.5415E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.06E-10	1,000,000	5.06E-04
505	1.3558E-06	1.9258E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.33E-10	1,000,000	6.33E-04
506	1.3558E-06	2.6533E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.72E-10	1,000,000	8.72E-04
507	1.3558E-06	3.5497E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
508	1.3558E-06	5.3772E-06	1.05E-03	5.62E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
509	1.3558E-06	8.0454E-06	1.05E-03	8.41E-09	2.00	1.57E-01	2.64E-09	1,000,000	2.64E-03
510	1.3558E-06	1.2269E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.03E-09	1,000,000	4.03E-03
511	1.3558E-06	1.7921E-05	1.05E-03	1.87E-08	2.00	1.57E-01	5.89E-09	1,000,000	5.89E-03
512	1.3558E-06	3.4724E-05	1.05E-03	3.63E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
513	1.3558E-06	6.5793E-05	1.05E-03	6.88E-08	2.00	1.57E-01	2.16E-08	1,000,000	2.16E-02
514	1.3558E-06	1.9276E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.33E-09	1,000,000	6.33E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.3558E-06	1.1107E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
516	1.3558E-06	7.4473E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.45E-09	1,000,000	2.45E-03
517	1.3558E-06	5.3811E-06	1.05E-03	5.62E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
518	1.3558E-06	4.0819E-06	1.05E-03	4.27E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
519	1.3558E-06	3.2076E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
520	1.3558E-06	2.5903E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.51E-10	1,000,000	8.51E-04
521	1.3558E-06	2.1387E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.03E-10	1,000,000	7.03E-04
522	1.3558E-06	1.2885E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.23E-10	1,000,000	4.23E-04
523	1.3558E-06	1.6284E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.35E-10	1,000,000	5.35E-04
524	1.3558E-06	2.0955E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
525	1.3558E-06	2.7317E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.97E-10	1,000,000	8.97E-04
526	1.3558E-06	3.5157E-06	1.05E-03	3.67E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
527	1.3558E-06	5.2189E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
528	1.3558E-06	7.1184E-06	1.05E-03	7.44E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
529	1.3558E-06	9.6088E-06	1.05E-03	1.00E-08	2.00	1.57E-01	3.16E-09	1,000,000	3.16E-03
530	1.3558E-06	1.3367E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.39E-09	1,000,000	4.39E-03
531	1.3558E-06	1.4506E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
532	1.3558E-06	1.1241E-05	1.05E-03	1.17E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
533	1.3558E-06	8.1244E-06	1.05E-03	8.49E-09	2.00	1.57E-01	2.67E-09	1,000,000	2.67E-03
534	1.3558E-06	6.0366E-06	1.05E-03	6.31E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
535	1.3558E-06	4.6398E-06	1.05E-03	4.85E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
536	1.3558E-06	3.6665E-06	1.05E-03	3.83E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
537	1.3558E-06	2.9649E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.74E-10	1,000,000	9.74E-04
538	1.3558E-06	2.4449E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.03E-10	1,000,000	8.03E-04
539	1.3558E-06	2.0494E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.73E-10	1,000,000	6.73E-04
540	1.3558E-06	1.0779E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04
541	1.3558E-06	1.3229E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
542	1.3558E-06	1.6388E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
543	1.3558E-06	2.0585E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.76E-10	1,000,000	6.76E-04
544	1.3558E-06	2.7047E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.88E-10	1,000,000	8.88E-04
545	1.3558E-06	3.4184E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
546	1.3558E-06	4.4701E-06	1.05E-03	4.67E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
547	1.3558E-06	5.5565E-06	1.05E-03	5.81E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.3558E-06	6.7565E-06	1.05E-03	7.06E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
549	1.3558E-06	7.2635E-06	1.05E-03	7.59E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
550	1.3558E-06	6.7945E-06	1.05E-03	7.10E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
551	1.3558E-06	5.7402E-06	1.05E-03	6.00E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
552	1.3558E-06	4.6575E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
553	1.3558E-06	3.8162E-06	1.05E-03	3.99E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
554	1.3558E-06	3.1626E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
555	1.3558E-06	2.6406E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.67E-10	1,000,000	8.67E-04
556	1.3558E-06	2.2321E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.33E-10	1,000,000	7.33E-04
557	1.3558E-06	1.9076E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.27E-10	1,000,000	6.27E-04
558	1.3558E-06	9.0534E-07	1.05E-03	9.46E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
559	1.3558E-06	1.0866E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.57E-10	1,000,000	3.57E-04
560	1.3558E-06	1.2752E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
561	1.3558E-06	1.5612E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.13E-10	1,000,000	5.13E-04
562	1.3558E-06	1.8713E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.15E-10	1,000,000	6.15E-04
563	1.3558E-06	2.2972E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.55E-10	1,000,000	7.55E-04
564	1.3558E-06	2.9274E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.62E-10	1,000,000	9.62E-04
565	1.3558E-06	3.4713E-06	1.05E-03	3.63E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
566	1.3558E-06	4.1216E-06	1.05E-03	4.31E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
567	1.3558E-06	4.3986E-06	1.05E-03	4.60E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
568	1.3558E-06	4.4607E-06	1.05E-03	4.66E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
569	1.3558E-06	3.8937E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
570	1.3558E-06	3.4188E-06	1.05E-03	3.57E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
571	1.3558E-06	3.0495E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
572	1.3558E-06	2.668E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
573	1.3558E-06	2.3013E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
574	1.3558E-06	1.9956E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.56E-10	1,000,000	6.56E-04
575	1.3558E-06	1.7374E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.71E-10	1,000,000	5.71E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.3558E-06	1.1271E-06	6.05E-04	6.82E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.5E-04
2	1.3558E-06	1.2473E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
3	1.3558E-06	1.3804E-06	6.05E-04	8.35E-10	14.00	4.71E-02	5.51E-10	1,000,000	5.51E-04
4	1.3558E-06	1.5239E-06	6.05E-04	9.22E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
5	1.3558E-06	1.6752E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
6	1.3558E-06	1.8274E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.30E-10	1,000,000	7.30E-04
7	1.3558E-06	1.9673E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.86E-10	1,000,000	7.86E-04
8	1.3558E-06	2.0832E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.32E-10	1,000,000	8.32E-04
9	1.3558E-06	2.1629E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.64E-10	1,000,000	8.64E-04
10	1.3558E-06	2.1921E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.75E-10	1,000,000	8.75E-04
11	1.3558E-06	2.1667E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.65E-10	1,000,000	8.65E-04
12	1.3558E-06	2.0918E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.35E-10	1,000,000	8.35E-04
13	1.3558E-06	1.978E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
14	1.3558E-06	1.8394E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.35E-10	1,000,000	7.35E-04
15	1.3558E-06	1.69E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.75E-10	1,000,000	6.75E-04
16	1.3558E-06	1.5385E-06	6.05E-04	9.31E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
17	1.3558E-06	1.3964E-06	6.05E-04	8.45E-10	14.00	4.71E-02	5.58E-10	1,000,000	5.58E-04
18	1.3558E-06	1.2641E-06	6.05E-04	7.65E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
19	1.3558E-06	1.1424E-06	6.05E-04	6.91E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
20	1.3558E-06	1.0356E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
21	1.3558E-06	9.4009E-07	6.05E-04	5.69E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
22	1.3558E-06	8.5437E-07	6.05E-04	5.17E-10	14.00	4.71E-02	3.41E-10	1,000,000	3.41E-04
23	1.3558E-06	1.2355E-06	6.05E-04	7.48E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
24	1.3558E-06	1.3854E-06	6.05E-04	8.38E-10	14.00	4.71E-02	5.53E-10	1,000,000	5.53E-04
25	1.3558E-06	1.5562E-06	6.05E-04	9.42E-10	14.00	4.71E-02	6.21E-10	1,000,000	6.21E-04
26	1.3558E-06	1.7478E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.98E-10	1,000,000	6.98E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.3558E-06	1.9562E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
28	1.3558E-06	2.1757E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.69E-10	1,000,000	8.69E-04
29	1.3558E-06	2.3846E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.52E-10	1,000,000	9.52E-04
30	1.3558E-06	2.567E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
31	1.3558E-06	2.6909E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
32	1.3558E-06	2.7365E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
33	1.3558E-06	2.693E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
34	1.3558E-06	2.5762E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
35	1.3558E-06	2.4025E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.59E-10	1,000,000	9.59E-04
36	1.3558E-06	2.1983E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.78E-10	1,000,000	8.78E-04
37	1.3558E-06	1.9775E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
38	1.3558E-06	1.7698E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.07E-10	1,000,000	7.07E-04
39	1.3558E-06	1.5821E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04
40	1.3558E-06	1.4116E-06	6.05E-04	8.54E-10	14.00	4.71E-02	5.64E-10	1,000,000	5.64E-04
41	1.3558E-06	1.2596E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
42	1.3558E-06	1.1268E-06	6.05E-04	6.82E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
43	1.3558E-06	1.0113E-06	6.05E-04	6.12E-10	14.00	4.71E-02	4.04E-10	1,000,000	4.04E-04
44	1.3558E-06	9.1582E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
45	1.3558E-06	1.3509E-06	6.05E-04	8.17E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
46	1.3558E-06	1.5368E-06	6.05E-04	9.30E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
47	1.3558E-06	1.7563E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.01E-10	1,000,000	7.01E-04
48	1.3558E-06	2.013E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.04E-10	1,000,000	8.04E-04
49	1.3558E-06	2.3057E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.21E-10	1,000,000	9.21E-04
50	1.3558E-06	2.6269E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
51	1.3558E-06	2.9548E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
52	1.3558E-06	3.2499E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.3558E-06	3.4628E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
54	1.3558E-06	3.5384E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
55	1.3558E-06	3.4648E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
56	1.3558E-06	3.2631E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
57	1.3558E-06	2.9773E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
58	1.3558E-06	2.6652E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
59	1.3558E-06	2.3401E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
60	1.3558E-06	2.0481E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.18E-10	1,000,000	8.18E-04
61	1.3558E-06	1.7963E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
62	1.3558E-06	1.5751E-06	6.05E-04	9.53E-10	14.00	4.71E-02	6.29E-10	1,000,000	6.29E-04
63	1.3558E-06	1.3866E-06	6.05E-04	8.39E-10	14.00	4.71E-02	5.54E-10	1,000,000	5.54E-04
64	1.3558E-06	1.2273E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
65	1.3558E-06	1.0933E-06	6.05E-04	6.61E-10	14.00	4.71E-02	4.37E-10	1,000,000	4.37E-04
66	1.3558E-06	9.7952E-07	6.05E-04	5.93E-10	14.00	4.71E-02	3.91E-10	1,000,000	3.91E-04
67	1.3558E-06	1.4697E-06	6.05E-04	8.89E-10	14.00	4.71E-02	5.87E-10	1,000,000	5.87E-04
68	1.3558E-06	1.6977E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.78E-10	1,000,000	6.78E-04
69	1.3558E-06	1.9778E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.90E-10	1,000,000	7.90E-04
70	1.3558E-06	2.3203E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.27E-10	1,000,000	9.27E-04
71	1.3558E-06	2.7351E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
72	1.3558E-06	3.2215E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
73	1.3558E-06	3.7565E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
74	1.3558E-06	4.2691E-06	6.05E-04	2.58E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
75	1.3558E-06	4.6562E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
76	1.3558E-06	4.8063E-06	6.05E-04	2.91E-09	14.00	4.71E-02	1.92E-09	1,000,000	1.92E-03
77	1.3558E-06	4.6713E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
78	1.3558E-06	4.3047E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
79	1.3558E-06	3.7981E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
80	1.3558E-06	3.2755E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
81	1.3558E-06	2.795E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
82	1.3558E-06	2.3876E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.53E-10	1,000,000	9.53E-04
83	1.3558E-06	2.041E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.15E-10	1,000,000	8.15E-04
84	1.3558E-06	1.7585E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
85	1.3558E-06	1.5186E-06	6.05E-04	9.19E-10	14.00	4.71E-02	6.06E-10	1,000,000	6.06E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.3558E-06	1.3329E-06	6.05E-04	8.06E-10	14.00	4.71E-02	5.32E-10	1,000,000	5.32E-04
87	1.3558E-06	1.1751E-06	6.05E-04	7.11E-10	14.00	4.71E-02	4.69E-10	1,000,000	4.69E-04
88	1.3558E-06	1.0449E-06	6.05E-04	6.32E-10	14.00	4.71E-02	4.17E-10	1,000,000	4.17E-04
89	1.3558E-06	1.5859E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.33E-10	1,000,000	6.33E-04
90	1.3558E-06	1.8609E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.43E-10	1,000,000	7.43E-04
91	1.3558E-06	2.2121E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.83E-10	1,000,000	8.83E-04
92	1.3558E-06	2.6654E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
93	1.3558E-06	3.2524E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
94	1.3558E-06	3.9995E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
95	1.3558E-06	4.9093E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
96	1.3558E-06	5.8878E-06	6.05E-04	3.56E-09	14.00	4.71E-02	2.35E-09	1,000,000	2.35E-03
97	1.3558E-06	6.6992E-06	6.05E-04	4.05E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
98	1.3558E-06	7.0191E-06	6.05E-04	4.25E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
99	1.3558E-06	6.7048E-06	6.05E-04	4.06E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
100	1.3558E-06	5.9282E-06	6.05E-04	3.59E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
101	1.3558E-06	4.9798E-06	6.05E-04	3.01E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
102	1.3558E-06	4.0937E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
103	1.3558E-06	3.3606E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
104	1.3558E-06	2.7732E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
105	1.3558E-06	2.3176E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.26E-10	1,000,000	9.26E-04
106	1.3558E-06	1.9569E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
107	1.3558E-06	1.6703E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.67E-10	1,000,000	6.67E-04
108	1.3558E-06	1.4431E-06	6.05E-04	8.73E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
109	1.3558E-06	1.2595E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
110	1.3558E-06	1.1118E-06	6.05E-04	6.73E-10	14.00	4.71E-02	4.44E-10	1,000,000	4.44E-04
111	1.3558E-06	1.6914E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.75E-10	1,000,000	6.75E-04
112	1.3558E-06	2.0147E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.05E-10	1,000,000	8.05E-04
113	1.3558E-06	2.4426E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.75E-10	1,000,000	9.75E-04
114	1.3558E-06	3.0255E-06	6.05E-04	1.83E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
115	1.3558E-06	3.8401E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
116	1.3558E-06	4.9914E-06	6.05E-04	3.02E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
117	1.3558E-06	6.6089E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
118	1.3558E-06	8.6937E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.3558E-06	1.0698E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
120	1.3558E-06	1.1544E-05	6.05E-04	6.98E-09	14.00	4.71E-02	4.61E-09	1,000,000	4.61E-03
121	1.3558E-06	1.0706E-05	6.05E-04	6.48E-09	14.00	4.71E-02	4.28E-09	1,000,000	4.28E-03
122	1.3558E-06	8.7545E-06	6.05E-04	5.30E-09	14.00	4.71E-02	3.50E-09	1,000,000	3.50E-03
123	1.3558E-06	6.7651E-06	6.05E-04	4.09E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
124	1.3558E-06	5.1959E-06	6.05E-04	3.14E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
125	1.3558E-06	4.0541E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
126	1.3558E-06	3.2232E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
127	1.3558E-06	2.6213E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
128	1.3558E-06	2.171E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.67E-10	1,000,000	8.67E-04
129	1.3558E-06	1.8244E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.29E-10	1,000,000	7.29E-04
130	1.3558E-06	1.5589E-06	6.05E-04	9.43E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
131	1.3558E-06	1.3474E-06	6.05E-04	8.15E-10	14.00	4.71E-02	5.38E-10	1,000,000	5.38E-04
132	1.3558E-06	1.1798E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
133	1.3558E-06	1.7334E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.92E-10	1,000,000	6.92E-04
134	1.3558E-06	2.1212E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.47E-10	1,000,000	8.47E-04
135	1.3558E-06	2.6259E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
136	1.3558E-06	3.3615E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
137	1.3558E-06	4.4389E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
138	1.3558E-06	6.1506E-06	6.05E-04	3.72E-09	14.00	4.71E-02	2.46E-09	1,000,000	2.46E-03
139	1.3558E-06	9.053E-06	6.05E-04	5.48E-09	14.00	4.71E-02	3.62E-09	1,000,000	3.62E-03
140	1.3558E-06	1.4109E-05	6.05E-04	8.54E-09	14.00	4.71E-02	5.63E-09	1,000,000	5.63E-03
141	1.3558E-06	2.0773E-05	6.05E-04	1.26E-08	14.00	4.71E-02	8.30E-09	1,000,000	8.30E-03
142	1.3558E-06	2.3813E-05	6.05E-04	1.44E-08	14.00	4.71E-02	9.51E-09	1,000,000	9.51E-03
143	1.3558E-06	2.0671E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.25E-09	1,000,000	8.25E-03
144	1.3558E-06	1.4286E-05	6.05E-04	8.64E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
145	1.3558E-06	9.5232E-06	6.05E-04	5.76E-09	14.00	4.71E-02	3.80E-09	1,000,000	3.80E-03
146	1.3558E-06	6.6493E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
147	1.3558E-06	4.8859E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
148	1.3558E-06	3.7326E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
149	1.3558E-06	2.954E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
150	1.3558E-06	2.3929E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.56E-10	1,000,000	9.56E-04
151	1.3558E-06	1.9816E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.3558E-06	1.6748E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
153	1.3558E-06	1.4357E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
154	1.3558E-06	1.2473E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
155	1.3558E-06	1.5883E-06	6.05E-04	9.61E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
156	1.3558E-06	1.985E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.93E-10	1,000,000	7.93E-04
157	1.3558E-06	2.6222E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
158	1.3558E-06	3.4408E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
159	1.3558E-06	4.8793E-06	6.05E-04	2.95E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
160	1.3558E-06	7.1815E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
161	1.3558E-06	1.19E-05	6.05E-04	7.20E-09	14.00	4.71E-02	4.75E-09	1,000,000	4.75E-03
162	1.3558E-06	2.4952E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.96E-09	1,000,000	9.96E-03
163	1.3558E-06	7.9573E-05	6.05E-04	4.81E-08	14.00	4.71E-02	3.18E-08	1,000,000	3.18E-02
164	1.3558E-06	9.6676E-05	6.05E-04	5.85E-08	14.00	4.71E-02	3.86E-08	1,000,000	3.86E-02
165	1.3558E-06	7.5278E-05	6.05E-04	4.55E-08	14.00	4.71E-02	3.01E-08	1,000,000	3.01E-02
166	1.3558E-06	2.6658E-05	6.05E-04	1.61E-08	14.00	4.71E-02	1.06E-08	1,000,000	1.06E-02
167	1.3558E-06	1.3629E-05	6.05E-04	8.25E-09	14.00	4.71E-02	5.44E-09	1,000,000	5.44E-03
168	1.3558E-06	8.4592E-06	6.05E-04	5.12E-09	14.00	4.71E-02	3.38E-09	1,000,000	3.38E-03
169	1.3558E-06	5.8252E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
170	1.3558E-06	4.2724E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
171	1.3558E-06	3.2802E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
172	1.3558E-06	2.6175E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
173	1.3558E-06	2.1394E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.54E-10	1,000,000	8.54E-04
174	1.3558E-06	1.788E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.14E-10	1,000,000	7.14E-04
175	1.3558E-06	1.5224E-06	6.05E-04	9.21E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
176	1.3558E-06	1.3139E-06	6.05E-04	7.95E-10	14.00	4.71E-02	5.25E-10	1,000,000	5.25E-04
177	1.3558E-06	1.5032E-06	6.05E-04	9.10E-10	14.00	4.71E-02	6.00E-10	1,000,000	6.00E-04
178	1.3558E-06	1.909E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.62E-10	1,000,000	7.62E-04
179	1.3558E-06	2.5452E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
180	1.3558E-06	3.4907E-06	6.05E-04	2.11E-09	14.00	4.71E-02	1.39E-09	1,000,000	1.39E-03
181	1.3558E-06	4.9466E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
182	1.3558E-06	7.5249E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.01E-09	1,000,000	3.01E-03
183	1.3558E-06	1.334E-05	6.05E-04	8.07E-09	14.00	4.71E-02	5.33E-09	1,000,000	5.33E-03
184	1.3558E-06	6.6393E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.65E-09	1,000,000	2.65E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.3558E-06	4.7238E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
186	1.3558E-06	3.579E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
187	1.3558E-06	2.8106E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
188	1.3558E-06	2.2741E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.08E-10	1,000,000	9.08E-04
189	1.3558E-06	1.8871E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.54E-10	1,000,000	7.54E-04
190	1.3558E-06	1.596E-06	6.05E-04	9.66E-10	14.00	4.71E-02	6.37E-10	1,000,000	6.37E-04
191	1.3558E-06	1.3705E-06	6.05E-04	8.29E-10	14.00	4.71E-02	5.47E-10	1,000,000	5.47E-04
192	1.3558E-06	1.3618E-06	6.05E-04	8.24E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
193	1.3558E-06	1.7113E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.83E-10	1,000,000	6.83E-04
194	1.3558E-06	2.2634E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.04E-10	1,000,000	9.04E-04
195	1.3558E-06	3.054E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
196	1.3558E-06	4.4135E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
197	1.3558E-06	6.5375E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
198	1.3558E-06	1.1484E-05	6.05E-04	6.95E-09	14.00	4.71E-02	4.59E-09	1,000,000	4.59E-03
199	1.3558E-06	5.1748E-05	6.05E-04	3.13E-08	14.00	4.71E-02	2.07E-08	1,000,000	2.07E-02
200	1.3558E-06	6.9794E-06	6.05E-04	4.22E-09	14.00	4.71E-02	2.79E-09	1,000,000	2.79E-03
201	1.3558E-06	4.9648E-06	6.05E-04	3.00E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
202	1.3558E-06	3.7306E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
203	1.3558E-06	2.9253E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
204	1.3558E-06	2.3617E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
205	1.3558E-06	1.9536E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.80E-10	1,000,000	7.80E-04
206	1.3558E-06	1.6475E-06	6.05E-04	9.97E-10	14.00	4.71E-02	6.58E-10	1,000,000	6.58E-04
207	1.3558E-06	1.4124E-06	6.05E-04	8.55E-10	14.00	4.71E-02	5.64E-10	1,000,000	5.64E-04
208	1.3558E-06	1.2074E-06	6.05E-04	7.31E-10	14.00	4.71E-02	4.82E-10	1,000,000	4.82E-04
209	1.3558E-06	1.5049E-06	6.05E-04	9.11E-10	14.00	4.71E-02	6.01E-10	1,000,000	6.01E-04
210	1.3558E-06	1.858E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.42E-10	1,000,000	7.42E-04
211	1.3558E-06	2.5163E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
212	1.3558E-06	3.436E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
213	1.3558E-06	5.0483E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
214	1.3558E-06	8.101E-06	6.05E-04	4.90E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
215	1.3558E-06	1.3537E-05	6.05E-04	8.19E-09	14.00	4.71E-02	5.41E-09	1,000,000	5.41E-03
216	1.3558E-06	2.2292E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.90E-09	1,000,000	8.90E-03
217	1.3558E-06	3.227E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.3558E-06	9.798E-06	6.05E-04	5.93E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
219	1.3558E-06	6.6597E-06	6.05E-04	4.03E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
220	1.3558E-06	4.8494E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
221	1.3558E-06	3.7012E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
222	1.3558E-06	2.9247E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
223	1.3558E-06	2.3747E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.48E-10	1,000,000	9.48E-04
224	1.3558E-06	1.9707E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.87E-10	1,000,000	7.87E-04
225	1.3558E-06	1.665E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.65E-10	1,000,000	6.65E-04
226	1.3558E-06	1.429E-06	6.05E-04	8.65E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
227	1.3558E-06	1.0511E-06	6.05E-04	6.36E-10	14.00	4.71E-02	4.20E-10	1,000,000	4.20E-04
228	1.3558E-06	1.2731E-06	6.05E-04	7.70E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
229	1.3558E-06	1.5715E-06	6.05E-04	9.51E-10	14.00	4.71E-02	6.28E-10	1,000,000	6.28E-04
230	1.3558E-06	2.0179E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.06E-10	1,000,000	8.06E-04
231	1.3558E-06	2.6808E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
232	1.3558E-06	3.5815E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
233	1.3558E-06	5.3561E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
234	1.3558E-06	7.6984E-06	6.05E-04	4.66E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03
235	1.3558E-06	1.1125E-05	6.05E-04	6.73E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
236	1.3558E-06	1.6295E-05	6.05E-04	9.86E-09	14.00	4.71E-02	6.51E-09	1,000,000	6.51E-03
237	1.3558E-06	2.5831E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
238	1.3558E-06	1.9539E-05	6.05E-04	1.18E-08	14.00	4.71E-02	7.80E-09	1,000,000	7.80E-03
239	1.3558E-06	1.1812E-05	6.05E-04	7.15E-09	14.00	4.71E-02	4.72E-09	1,000,000	4.72E-03
240	1.3558E-06	7.9993E-06	6.05E-04	4.84E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
241	1.3558E-06	5.8058E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
242	1.3558E-06	4.4101E-06	6.05E-04	2.67E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
243	1.3558E-06	3.4641E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
244	1.3558E-06	2.7929E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
245	1.3558E-06	2.3006E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
246	1.3558E-06	1.9292E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.70E-10	1,000,000	7.70E-04
247	1.3558E-06	1.6424E-06	6.05E-04	9.94E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
248	1.3558E-06	1.4172E-06	6.05E-04	8.58E-10	14.00	4.71E-02	5.66E-10	1,000,000	5.66E-04
249	1.3558E-06	9.1641E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
250	1.3558E-06	1.0831E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.33E-10	1,000,000	4.33E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.3558E-06	1.2984E-06	6.05E-04	7.86E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
252	1.3558E-06	1.628E-06	6.05E-04	9.85E-10	14.00	4.71E-02	6.50E-10	1,000,000	6.50E-04
253	1.3558E-06	2.0538E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.20E-10	1,000,000	8.20E-04
254	1.3558E-06	2.7662E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
255	1.3558E-06	3.6239E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
256	1.3558E-06	5.0527E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
257	1.3558E-06	6.449E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
258	1.3558E-06	8.0659E-06	6.05E-04	4.88E-09	14.00	4.71E-02	3.22E-09	1,000,000	3.22E-03
259	1.3558E-06	9.812E-06	6.05E-04	5.94E-09	14.00	4.71E-02	3.92E-09	1,000,000	3.92E-03
260	1.3558E-06	9.4346E-06	6.05E-04	5.71E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
261	1.3558E-06	7.7101E-06	6.05E-04	4.67E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
262	1.3558E-06	6.0109E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
263	1.3558E-06	4.7315E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
264	1.3558E-06	3.7904E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
265	1.3558E-06	3.0915E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
266	1.3558E-06	2.5611E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
267	1.3558E-06	2.1531E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.60E-10	1,000,000	8.60E-04
268	1.3558E-06	1.8335E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
269	1.3558E-06	1.5794E-06	6.05E-04	9.56E-10	14.00	4.71E-02	6.31E-10	1,000,000	6.31E-04
270	1.3558E-06	1.3749E-06	6.05E-04	8.32E-10	14.00	4.71E-02	5.49E-10	1,000,000	5.49E-04
271	1.3558E-06	7.795E-07	6.05E-04	4.72E-10	14.00	4.71E-02	3.11E-10	1,000,000	3.11E-04
272	1.3558E-06	9.0307E-07	6.05E-04	5.46E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
273	1.3558E-06	1.0729E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.28E-10	1,000,000	4.28E-04
274	1.3558E-06	1.2903E-06	6.05E-04	7.81E-10	14.00	4.71E-02	5.15E-10	1,000,000	5.15E-04
275	1.3558E-06	1.5794E-06	6.05E-04	9.56E-10	14.00	4.71E-02	6.31E-10	1,000,000	6.31E-04
276	1.3558E-06	2.0016E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.99E-10	1,000,000	7.99E-04
277	1.3558E-06	2.5338E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
278	1.3558E-06	3.1426E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
279	1.3558E-06	3.9587E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
280	1.3558E-06	4.757E-06	6.05E-04	2.88E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
281	1.3558E-06	5.4146E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
282	1.3558E-06	5.6313E-06	6.05E-04	3.41E-09	14.00	4.71E-02	2.25E-09	1,000,000	2.25E-03
283	1.3558E-06	5.1453E-06	6.05E-04	3.11E-09	14.00	4.71E-02	2.05E-09	1,000,000	2.05E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.3558E-06	4.2832E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
285	1.3558E-06	3.7043E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
286	1.3558E-06	3.1608E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
287	1.3558E-06	2.6817E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
288	1.3558E-06	2.2857E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.13E-10	1,000,000	9.13E-04
289	1.3558E-06	1.9607E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.83E-10	1,000,000	7.83E-04
290	1.3558E-06	1.7004E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.79E-10	1,000,000	6.79E-04
291	1.3558E-06	1.4858E-06	6.05E-04	8.99E-10	14.00	4.71E-02	5.93E-10	1,000,000	5.93E-04
292	1.3558E-06	1.3082E-06	6.05E-04	7.92E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
293	1.3558E-06	6.6829E-07	6.05E-04	4.04E-10	14.00	4.71E-02	2.67E-10	1,000,000	2.67E-04
294	1.3558E-06	7.6779E-07	6.05E-04	4.65E-10	14.00	4.71E-02	3.07E-10	1,000,000	3.07E-04
295	1.3558E-06	8.8929E-07	6.05E-04	5.38E-10	14.00	4.71E-02	3.55E-10	1,000,000	3.55E-04
296	1.3558E-06	1.0322E-06	6.05E-04	6.25E-10	14.00	4.71E-02	4.12E-10	1,000,000	4.12E-04
297	1.3558E-06	1.2446E-06	6.05E-04	7.53E-10	14.00	4.71E-02	4.97E-10	1,000,000	4.97E-04
298	1.3558E-06	1.4979E-06	6.05E-04	9.06E-10	14.00	4.71E-02	5.98E-10	1,000,000	5.98E-04
299	1.3558E-06	1.8166E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.25E-10	1,000,000	7.25E-04
300	1.3558E-06	2.2528E-06	6.05E-04	1.36E-09	14.00	4.71E-02	9.00E-10	1,000,000	9.00E-04
301	1.3558E-06	2.5877E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
302	1.3558E-06	3.1024E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
303	1.3558E-06	3.4642E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
304	1.3558E-06	3.7052E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
305	1.3558E-06	3.5416E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
306	1.3558E-06	3.1335E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
307	1.3558E-06	2.8308E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
308	1.3558E-06	2.5454E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
309	1.3558E-06	2.2884E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.14E-10	1,000,000	9.14E-04
310	1.3558E-06	2.0157E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.05E-10	1,000,000	8.05E-04
311	1.3558E-06	1.7622E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
312	1.3558E-06	1.5502E-06	6.05E-04	9.38E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
313	1.3558E-06	1.3743E-06	6.05E-04	8.32E-10	14.00	4.71E-02	5.49E-10	1,000,000	5.49E-04
314	1.3558E-06	1.2247E-06	6.05E-04	7.41E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
315	1.3558E-06	5.6278E-07	6.05E-04	3.41E-10	14.00	4.71E-02	2.25E-10	1,000,000	2.25E-04
316	1.3558E-06	6.409E-07	6.05E-04	3.88E-10	14.00	4.71E-02	2.56E-10	1,000,000	2.56E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.3558E-06	7.3054E-07	6.05E-04	4.42E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
318	1.3558E-06	8.3412E-07	6.05E-04	5.05E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
319	1.3558E-06	9.5034E-07	6.05E-04	5.75E-10	14.00	4.71E-02	3.80E-10	1,000,000	3.80E-04
320	1.3558E-06	1.1634E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04
321	1.3558E-06	1.3471E-06	6.05E-04	8.15E-10	14.00	4.71E-02	5.38E-10	1,000,000	5.38E-04
322	1.3558E-06	1.5842E-06	6.05E-04	9.59E-10	14.00	4.71E-02	6.33E-10	1,000,000	6.33E-04
323	1.3558E-06	1.8817E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.51E-10	1,000,000	7.51E-04
324	1.3558E-06	2.1462E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.57E-10	1,000,000	8.57E-04
325	1.3558E-06	2.3854E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.53E-10	1,000,000	9.53E-04
326	1.3558E-06	2.5559E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
327	1.3558E-06	2.8423E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
328	1.3558E-06	2.2894E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.14E-10	1,000,000	9.14E-04
329	1.3558E-06	2.1357E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.53E-10	1,000,000	8.53E-04
330	1.3558E-06	2.024E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.08E-10	1,000,000	8.08E-04
331	1.3558E-06	1.8911E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
332	1.3558E-06	1.742E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04
333	1.3558E-06	1.5902E-06	6.05E-04	9.62E-10	14.00	4.71E-02	6.35E-10	1,000,000	6.35E-04
334	1.3558E-06	1.4147E-06	6.05E-04	8.56E-10	14.00	4.71E-02	5.65E-10	1,000,000	5.65E-04
335	1.3558E-06	1.2641E-06	6.05E-04	7.65E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
336	1.3558E-06	1.138E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.54E-10	1,000,000	4.54E-04
337	1.3558E-06	4.884E-07	6.05E-04	2.96E-10	14.00	4.71E-02	1.95E-10	1,000,000	1.95E-04
338	1.3558E-06	5.4532E-07	6.05E-04	3.30E-10	14.00	4.71E-02	2.18E-10	1,000,000	2.18E-04
339	1.3558E-06	6.0439E-07	6.05E-04	3.66E-10	14.00	4.71E-02	2.41E-10	1,000,000	2.41E-04
340	1.3558E-06	6.9152E-07	6.05E-04	4.18E-10	14.00	4.71E-02	2.76E-10	1,000,000	2.76E-04
341	1.3558E-06	7.7573E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
342	1.3558E-06	9.213E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
343	1.3558E-06	1.0369E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
344	1.3558E-06	1.1992E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
345	1.3558E-06	1.3743E-06	6.05E-04	8.32E-10	14.00	4.71E-02	5.49E-10	1,000,000	5.49E-04
346	1.3558E-06	1.5821E-06	6.05E-04	9.57E-10	14.00	4.71E-02	6.32E-10	1,000,000	6.32E-04
347	1.3558E-06	1.7063E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.81E-10	1,000,000	6.81E-04
348	1.3558E-06	1.8183E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.26E-10	1,000,000	7.26E-04
349	1.3558E-06	1.6632E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.64E-10	1,000,000	6.64E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.3558E-06	1.6386E-06	6.05E-04	9.91E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
351	1.3558E-06	1.606E-06	6.05E-04	9.72E-10	14.00	4.71E-02	6.41E-10	1,000,000	6.41E-04
352	1.3558E-06	1.5129E-06	6.05E-04	9.15E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
353	1.3558E-06	1.5197E-06	6.05E-04	9.19E-10	14.00	4.71E-02	6.07E-10	1,000,000	6.07E-04
354	1.3558E-06	1.4454E-06	6.05E-04	8.75E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
355	1.3558E-06	1.3721E-06	6.05E-04	8.30E-10	14.00	4.71E-02	5.48E-10	1,000,000	5.48E-04
356	1.3558E-06	1.2779E-06	6.05E-04	7.73E-10	14.00	4.71E-02	5.10E-10	1,000,000	5.10E-04
357	1.3558E-06	1.1788E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
358	1.3558E-06	1.0791E-06	6.05E-04	6.53E-10	14.00	4.71E-02	4.31E-10	1,000,000	4.31E-04
359	1.3558E-06	4.1682E-07	6.05E-04	2.52E-10	14.00	4.71E-02	1.66E-10	1,000,000	1.66E-04
360	1.3558E-06	4.6403E-07	6.05E-04	2.81E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
361	1.3558E-06	5.1348E-07	6.05E-04	3.11E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04
362	1.3558E-06	5.7047E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04
363	1.3558E-06	6.3E-07	6.05E-04	3.81E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
364	1.3558E-06	7.2109E-07	6.05E-04	4.36E-10	14.00	4.71E-02	2.88E-10	1,000,000	2.88E-04
365	1.3558E-06	8.2161E-07	6.05E-04	4.97E-10	14.00	4.71E-02	3.28E-10	1,000,000	3.28E-04
366	1.3558E-06	9.3826E-07	6.05E-04	5.68E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
367	1.3558E-06	1.0811E-06	6.05E-04	6.54E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
368	1.3558E-06	1.1879E-06	6.05E-04	7.19E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
369	1.3558E-06	1.2471E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
370	1.3558E-06	1.2532E-06	6.05E-04	7.58E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
371	1.3558E-06	1.2768E-06	6.05E-04	7.73E-10	14.00	4.71E-02	5.10E-10	1,000,000	5.10E-04
372	1.3558E-06	1.2644E-06	6.05E-04	7.65E-10	14.00	4.71E-02	5.05E-10	1,000,000	5.05E-04
373	1.3558E-06	1.2104E-06	6.05E-04	7.32E-10	14.00	4.71E-02	4.83E-10	1,000,000	4.83E-04
374	1.3558E-06	1.159E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
375	1.3558E-06	1.1804E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
376	1.3558E-06	1.1507E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.60E-10	1,000,000	4.60E-04
377	1.3558E-06	1.1325E-06	6.05E-04	6.85E-10	14.00	4.71E-02	4.52E-10	1,000,000	4.52E-04
378	1.3558E-06	1.1166E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
379	1.3558E-06	1.0499E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
380	1.3558E-06	9.8533E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
381	1.3558E-06	1.7353E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.93E-10	1,000,000	6.93E-04
382	1.3558E-06	2.007E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.01E-10	1,000,000	8.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.3558E-06	2.3295E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.30E-10	1,000,000	9.30E-04
384	1.3558E-06	2.7024E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
385	1.3558E-06	3.1133E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
386	1.3558E-06	3.522E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
387	1.3558E-06	3.8621E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
388	1.3558E-06	4.064E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
389	1.3558E-06	4.069E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
390	1.3558E-06	3.8784E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
391	1.3558E-06	3.5449E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
392	1.3558E-06	3.1467E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
393	1.3558E-06	2.7447E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
394	1.3558E-06	2.3791E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.50E-10	1,000,000	9.50E-04
395	1.3558E-06	2.0546E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.20E-10	1,000,000	8.20E-04
396	1.3558E-06	1.7809E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.11E-10	1,000,000	7.11E-04
397	1.3558E-06	1.5523E-06	6.05E-04	9.39E-10	14.00	4.71E-02	6.20E-10	1,000,000	6.20E-04
398	1.3558E-06	1.3606E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
399	1.3558E-06	1.928E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.70E-10	1,000,000	7.70E-04
400	1.3558E-06	2.2804E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.11E-10	1,000,000	9.11E-04
401	1.3558E-06	2.7233E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
402	1.3558E-06	3.2711E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
403	1.3558E-06	3.9226E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
404	1.3558E-06	4.6283E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
405	1.3558E-06	5.2733E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
406	1.3558E-06	5.6756E-06	6.05E-04	3.43E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
407	1.3558E-06	5.6843E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
408	1.3558E-06	5.3101E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
409	1.3558E-06	4.6818E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
410	1.3558E-06	3.9821E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
411	1.3558E-06	3.3457E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
412	1.3558E-06	2.8082E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
413	1.3558E-06	2.3624E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
414	1.3558E-06	2.0049E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.01E-10	1,000,000	8.01E-04
415	1.3558E-06	1.7165E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.3558E-06	1.48E-06	6.05E-04	8.96E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
417	1.3558E-06	2.1213E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.47E-10	1,000,000	8.47E-04
418	1.3558E-06	2.569E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
419	1.3558E-06	3.1669E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
420	1.3558E-06	3.9705E-06	6.05E-04	2.40E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
421	1.3558E-06	5.0366E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
422	1.3558E-06	6.3694E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
423	1.3558E-06	7.7603E-06	6.05E-04	4.70E-09	14.00	4.71E-02	3.10E-09	1,000,000	3.10E-03
424	1.3558E-06	8.6974E-06	6.05E-04	5.26E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
425	1.3558E-06	8.6847E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
426	1.3558E-06	7.7888E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
427	1.3558E-06	6.4431E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
428	1.3558E-06	5.1623E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
429	1.3558E-06	4.1185E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
430	1.3558E-06	3.315E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
431	1.3558E-06	2.7084E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
432	1.3558E-06	2.2475E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.98E-10	1,000,000	8.98E-04
433	1.3558E-06	1.8972E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.58E-10	1,000,000	7.58E-04
434	1.3558E-06	1.6154E-06	6.05E-04	9.77E-10	14.00	4.71E-02	6.45E-10	1,000,000	6.45E-04
435	1.3558E-06	2.2908E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.15E-10	1,000,000	9.15E-04
436	1.3558E-06	2.846E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
437	1.3558E-06	3.627E-06	6.05E-04	2.19E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
438	1.3558E-06	4.7772E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
439	1.3558E-06	6.5314E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
440	1.3558E-06	9.2019E-06	6.05E-04	5.57E-09	14.00	4.71E-02	3.67E-09	1,000,000	3.67E-03
441	1.3558E-06	1.2739E-05	6.05E-04	7.71E-09	14.00	4.71E-02	5.09E-09	1,000,000	5.09E-03
442	1.3558E-06	1.5533E-05	6.05E-04	9.40E-09	14.00	4.71E-02	6.20E-09	1,000,000	6.20E-03
443	1.3558E-06	1.5504E-05	6.05E-04	9.38E-09	14.00	4.71E-02	6.19E-09	1,000,000	6.19E-03
444	1.3558E-06	1.2766E-05	6.05E-04	7.72E-09	14.00	4.71E-02	5.10E-09	1,000,000	5.10E-03
445	1.3558E-06	9.4003E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
446	1.3558E-06	6.8381E-06	6.05E-04	4.14E-09	14.00	4.71E-02	2.73E-09	1,000,000	2.73E-03
447	1.3558E-06	5.1E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
448	1.3558E-06	3.9133E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.3558E-06	3.0988E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
450	1.3558E-06	2.5161E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
451	1.3558E-06	2.0751E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.29E-10	1,000,000	8.29E-04
452	1.3558E-06	1.7494E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.99E-10	1,000,000	6.99E-04
453	1.3558E-06	2.3256E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.29E-10	1,000,000	9.29E-04
454	1.3558E-06	3.007E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
455	1.3558E-06	4.0307E-06	6.05E-04	2.44E-09	14.00	4.71E-02	1.61E-09	1,000,000	1.61E-03
456	1.3558E-06	5.5688E-06	6.05E-04	3.37E-09	14.00	4.71E-02	2.22E-09	1,000,000	2.22E-03
457	1.3558E-06	8.289E-06	6.05E-04	5.02E-09	14.00	4.71E-02	3.31E-09	1,000,000	3.31E-03
458	1.3558E-06	1.3771E-05	6.05E-04	8.33E-09	14.00	4.71E-02	5.50E-09	1,000,000	5.50E-03
459	1.3558E-06	2.5928E-05	6.05E-04	1.57E-08	14.00	4.71E-02	1.04E-08	1,000,000	1.04E-02
460	1.3558E-06	3.9441E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
461	1.3558E-06	3.9018E-05	6.05E-04	2.36E-08	14.00	4.71E-02	1.56E-08	1,000,000	1.56E-02
462	1.3558E-06	2.5855E-05	6.05E-04	1.56E-08	14.00	4.71E-02	1.03E-08	1,000,000	1.03E-02
463	1.3558E-06	1.4622E-05	6.05E-04	8.85E-09	14.00	4.71E-02	5.84E-09	1,000,000	5.84E-03
464	1.3558E-06	9.1733E-06	6.05E-04	5.55E-09	14.00	4.71E-02	3.66E-09	1,000,000	3.66E-03
465	1.3558E-06	6.2933E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.51E-09	1,000,000	2.51E-03
466	1.3558E-06	4.5994E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
467	1.3558E-06	3.5206E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
468	1.3558E-06	2.7876E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
469	1.3558E-06	2.2674E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.05E-10	1,000,000	9.05E-04
470	1.3558E-06	1.8854E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.53E-10	1,000,000	7.53E-04
471	1.3558E-06	2.1974E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.78E-10	1,000,000	8.78E-04
472	1.3558E-06	2.936E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
473	1.3558E-06	4.1241E-06	6.05E-04	2.50E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
474	1.3558E-06	5.9694E-06	6.05E-04	3.61E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
475	1.3558E-06	9.5827E-06	6.05E-04	5.80E-09	14.00	4.71E-02	3.83E-09	1,000,000	3.83E-03
476	1.3558E-06	5.2814E-06	6.05E-04	3.20E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
477	1.3558E-06	3.9136E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
478	1.3558E-06	3.0517E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
479	1.3558E-06	2.4486E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.78E-10	1,000,000	9.78E-04
480	1.3558E-06	2.0118E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.03E-10	1,000,000	8.03E-04
481	1.3558E-06	2.0396E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.15E-10	1,000,000	8.15E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.3558E-06	2.7622E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
483	1.3558E-06	3.7337E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
484	1.3558E-06	5.4665E-06	6.05E-04	3.31E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03
485	1.3558E-06	9.3236E-06	6.05E-04	5.64E-09	14.00	4.71E-02	3.72E-09	1,000,000	3.72E-03
486	1.3558E-06	5.7387E-06	6.05E-04	3.47E-09	14.00	4.71E-02	2.29E-09	1,000,000	2.29E-03
487	1.3558E-06	4.2156E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
488	1.3558E-06	3.2384E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
489	1.3558E-06	2.5821E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
490	1.3558E-06	2.1113E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.43E-10	1,000,000	8.43E-04
491	1.3558E-06	1.7985E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.18E-10	1,000,000	7.18E-04
492	1.3558E-06	2.3831E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.52E-10	1,000,000	9.52E-04
493	1.3558E-06	3.1764E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
494	1.3558E-06	4.5825E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
495	1.3558E-06	7.3278E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
496	1.3558E-06	3.7828E-05	6.05E-04	2.29E-08	14.00	4.71E-02	1.51E-08	1,000,000	1.51E-02
497	1.3558E-06	6.609E-05	6.05E-04	4.00E-08	14.00	4.71E-02	2.64E-08	1,000,000	2.64E-02
498	1.3558E-06	8.3214E-06	6.05E-04	5.03E-09	14.00	4.71E-02	3.32E-09	1,000,000	3.32E-03
499	1.3558E-06	5.8037E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
500	1.3558E-06	4.2828E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
501	1.3558E-06	3.3064E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
502	1.3558E-06	2.6367E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
503	1.3558E-06	2.1582E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
504	1.3558E-06	1.5415E-06	6.05E-04	9.33E-10	14.00	4.71E-02	6.16E-10	1,000,000	6.16E-04
505	1.3558E-06	1.9258E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.69E-10	1,000,000	7.69E-04
506	1.3558E-06	2.6533E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
507	1.3558E-06	3.5497E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
508	1.3558E-06	5.3772E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
509	1.3558E-06	8.0454E-06	6.05E-04	4.87E-09	14.00	4.71E-02	3.21E-09	1,000,000	3.21E-03
510	1.3558E-06	1.2269E-05	6.05E-04	7.42E-09	14.00	4.71E-02	4.90E-09	1,000,000	4.90E-03
511	1.3558E-06	1.7921E-05	6.05E-04	1.08E-08	14.00	4.71E-02	7.16E-09	1,000,000	7.16E-03
512	1.3558E-06	3.4724E-05	6.05E-04	2.10E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
513	1.3558E-06	6.5793E-05	6.05E-04	3.98E-08	14.00	4.71E-02	2.63E-08	1,000,000	2.63E-02
514	1.3558E-06	1.9276E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.70E-09	1,000,000	7.70E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.3558E-06	1.1107E-05	6.05E-04	6.72E-09	14.00	4.71E-02	4.44E-09	1,000,000	4.44E-03
516	1.3558E-06	7.4473E-06	6.05E-04	4.51E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
517	1.3558E-06	5.3811E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
518	1.3558E-06	4.0819E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
519	1.3558E-06	3.2076E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
520	1.3558E-06	2.5903E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
521	1.3558E-06	2.1387E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.54E-10	1,000,000	8.54E-04
522	1.3558E-06	1.2885E-06	6.05E-04	7.80E-10	14.00	4.71E-02	5.15E-10	1,000,000	5.15E-04
523	1.3558E-06	1.6284E-06	6.05E-04	9.85E-10	14.00	4.71E-02	6.50E-10	1,000,000	6.50E-04
524	1.3558E-06	2.0955E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.37E-10	1,000,000	8.37E-04
525	1.3558E-06	2.7317E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
526	1.3558E-06	3.5157E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
527	1.3558E-06	5.2189E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
528	1.3558E-06	7.1184E-06	6.05E-04	4.31E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
529	1.3558E-06	9.6088E-06	6.05E-04	5.81E-09	14.00	4.71E-02	3.84E-09	1,000,000	3.84E-03
530	1.3558E-06	1.3367E-05	6.05E-04	8.09E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
531	1.3558E-06	1.4506E-05	6.05E-04	8.78E-09	14.00	4.71E-02	5.79E-09	1,000,000	5.79E-03
532	1.3558E-06	1.1241E-05	6.05E-04	6.80E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
533	1.3558E-06	8.1244E-06	6.05E-04	4.92E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
534	1.3558E-06	6.0366E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
535	1.3558E-06	4.6398E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
536	1.3558E-06	3.6665E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
537	1.3558E-06	2.9649E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
538	1.3558E-06	2.4449E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.76E-10	1,000,000	9.76E-04
539	1.3558E-06	2.0494E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.18E-10	1,000,000	8.18E-04
540	1.3558E-06	1.0779E-06	6.05E-04	6.52E-10	14.00	4.71E-02	4.30E-10	1,000,000	4.30E-04
541	1.3558E-06	1.3229E-06	6.05E-04	8.00E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
542	1.3558E-06	1.6388E-06	6.05E-04	9.92E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
543	1.3558E-06	2.0585E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.22E-10	1,000,000	8.22E-04
544	1.3558E-06	2.7047E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
545	1.3558E-06	3.4184E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
546	1.3558E-06	4.4701E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
547	1.3558E-06	5.5565E-06	6.05E-04	3.36E-09	14.00	4.71E-02	2.22E-09	1,000,000	2.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.3558E-06	6.7565E-06	6.05E-04	4.09E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
549	1.3558E-06	7.2635E-06	6.05E-04	4.39E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
550	1.3558E-06	6.7945E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
551	1.3558E-06	5.7402E-06	6.05E-04	3.47E-09	14.00	4.71E-02	2.29E-09	1,000,000	2.29E-03
552	1.3558E-06	4.6575E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
553	1.3558E-06	3.8162E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
554	1.3558E-06	3.1626E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
555	1.3558E-06	2.6406E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
556	1.3558E-06	2.2321E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.91E-10	1,000,000	8.91E-04
557	1.3558E-06	1.9076E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.62E-10	1,000,000	7.62E-04
558	1.3558E-06	9.0534E-07	6.05E-04	5.48E-10	14.00	4.71E-02	3.62E-10	1,000,000	3.62E-04
559	1.3558E-06	1.0866E-06	6.05E-04	6.57E-10	14.00	4.71E-02	4.34E-10	1,000,000	4.34E-04
560	1.3558E-06	1.2752E-06	6.05E-04	7.72E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
561	1.3558E-06	1.5612E-06	6.05E-04	9.45E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
562	1.3558E-06	1.8713E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.47E-10	1,000,000	7.47E-04
563	1.3558E-06	2.2972E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.17E-10	1,000,000	9.17E-04
564	1.3558E-06	2.9274E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
565	1.3558E-06	3.4713E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.39E-09	1,000,000	1.39E-03
566	1.3558E-06	4.1216E-06	6.05E-04	2.49E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
567	1.3558E-06	4.3986E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.76E-09	1,000,000	1.76E-03
568	1.3558E-06	4.4607E-06	6.05E-04	2.70E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
569	1.3558E-06	3.8937E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
570	1.3558E-06	3.4188E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
571	1.3558E-06	3.0495E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
572	1.3558E-06	2.668E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
573	1.3558E-06	2.3013E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
574	1.3558E-06	1.9956E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.97E-10	1,000,000	7.97E-04
575	1.3558E-06	1.7374E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.94E-10	1,000,000	6.94E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.36E-06	1.1271E-06	2.50E-04	2.82E-10	1.40E+01	1.57E-02	6.21E-11	1.0E+06	6.2E-05	9.0E-04	Res	0.077	164
2	1.3558E-06	1.2473E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
3	1.3558E-06	1.3804E-06	2.50E-04	3.45E-10	14.00	1.57E-02	7.60E-11	1,000,000	7.60E-05	1.1E-03			
4	1.3558E-06	1.5239E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.39E-11	1,000,000	8.39E-05	1.2E-03			
5	1.3558E-06	1.6752E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
6	1.3558E-06	1.8274E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
7	1.3558E-06	1.9673E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
8	1.3558E-06	2.0832E-06	2.50E-04	5.21E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
9	1.3558E-06	2.1629E-06	2.50E-04	5.41E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
10	1.3558E-06	2.1921E-06	2.50E-04	5.49E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.7E-03			
11	1.3558E-06	2.1667E-06	2.50E-04	5.42E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
12	1.3558E-06	2.0918E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
13	1.3558E-06	1.978E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
14	1.3558E-06	1.8394E-06	2.50E-04	4.60E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
15	1.3558E-06	1.69E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.31E-11	1,000,000	9.31E-05	1.3E-03			
16	1.3558E-06	1.5385E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
17	1.3558E-06	1.3964E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.69E-11	1,000,000	7.69E-05	1.1E-03			
18	1.3558E-06	1.2641E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.96E-11	1,000,000	6.96E-05	1.0E-03			
19	1.3558E-06	1.1424E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
20	1.3558E-06	1.0356E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.70E-11	1,000,000	5.70E-05	8.2E-04			
21	1.3558E-06	9.4009E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.18E-11	1,000,000	5.18E-05	7.5E-04			
22	1.3558E-06	8.5437E-07	2.50E-04	2.14E-10	14.00	1.57E-02	4.70E-11	1,000,000	4.70E-05	6.8E-04			
23	1.3558E-06	1.2355E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
24	1.3558E-06	1.3854E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.63E-11	1,000,000	7.63E-05	1.1E-03			
25	1.3558E-06	1.5562E-06	2.50E-04	3.89E-10	14.00	1.57E-02	8.57E-11	1,000,000	8.57E-05	1.2E-03			
26	1.3558E-06	1.7478E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.62E-11	1,000,000	9.62E-05	1.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.3558E-06	1.9562E-06	2.50E-04	4.90E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
28	1.3558E-06	2.1757E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
29	1.3558E-06	2.3846E-06	2.50E-04	5.97E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
30	1.3558E-06	2.567E-06	2.50E-04	6.42E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
31	1.3558E-06	2.6909E-06	2.50E-04	6.73E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
32	1.3558E-06	2.7365E-06	2.50E-04	6.85E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
33	1.3558E-06	2.693E-06	2.50E-04	6.74E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
34	1.3558E-06	2.5762E-06	2.50E-04	6.45E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
35	1.3558E-06	2.4025E-06	2.50E-04	6.01E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
36	1.3558E-06	2.1983E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
37	1.3558E-06	1.9775E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
38	1.3558E-06	1.7698E-06	2.50E-04	4.43E-10	14.00	1.57E-02	9.74E-11	1,000,000	9.74E-05	1.4E-03			
39	1.3558E-06	1.5821E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
40	1.3558E-06	1.4116E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.77E-11	1,000,000	7.77E-05	1.1E-03			
41	1.3558E-06	1.2596E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.94E-11	1,000,000	6.94E-05	1.0E-03			
42	1.3558E-06	1.1268E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.20E-11	1,000,000	6.20E-05	9.0E-04			
43	1.3558E-06	1.0113E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.57E-11	1,000,000	5.57E-05	8.1E-04			
44	1.3558E-06	9.1582E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.04E-11	1,000,000	5.04E-05	7.3E-04			
45	1.3558E-06	1.3509E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.44E-11	1,000,000	7.44E-05	1.1E-03			
46	1.3558E-06	1.5368E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.46E-11	1,000,000	8.46E-05	1.2E-03			
47	1.3558E-06	1.7563E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.67E-11	1,000,000	9.67E-05	1.4E-03			
48	1.3558E-06	2.013E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
49	1.3558E-06	2.3057E-06	2.50E-04	5.77E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
50	1.3558E-06	2.6269E-06	2.50E-04	6.57E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
51	1.3558E-06	2.9548E-06	2.50E-04	7.40E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
52	1.3558E-06	3.2499E-06	2.50E-04	8.13E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.3558E-06	3.4628E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
54	1.3558E-06	3.5384E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
55	1.3558E-06	3.4648E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
56	1.3558E-06	3.2631E-06	2.50E-04	8.17E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
57	1.3558E-06	2.9773E-06	2.50E-04	7.45E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
58	1.3558E-06	2.6652E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
59	1.3558E-06	2.3401E-06	2.50E-04	5.86E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
60	1.3558E-06	2.0481E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
61	1.3558E-06	1.7963E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.89E-11	1,000,000	9.89E-05	1.4E-03			
62	1.3558E-06	1.5751E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.67E-11	1,000,000	8.67E-05	1.3E-03			
63	1.3558E-06	1.3866E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.63E-11	1,000,000	7.63E-05	1.1E-03			
64	1.3558E-06	1.2273E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
65	1.3558E-06	1.0933E-06	2.50E-04	2.74E-10	14.00	1.57E-02	6.02E-11	1,000,000	6.02E-05	8.7E-04			
66	1.3558E-06	9.7952E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.39E-11	1,000,000	5.39E-05	7.8E-04			
67	1.3558E-06	1.4697E-06	2.50E-04	3.68E-10	14.00	1.57E-02	8.09E-11	1,000,000	8.09E-05	1.2E-03			
68	1.3558E-06	1.6977E-06	2.50E-04	4.25E-10	14.00	1.57E-02	9.35E-11	1,000,000	9.35E-05	1.4E-03			
69	1.3558E-06	1.9778E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
70	1.3558E-06	2.3203E-06	2.50E-04	5.81E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
71	1.3558E-06	2.7351E-06	2.50E-04	6.85E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
72	1.3558E-06	3.2215E-06	2.50E-04	8.06E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
73	1.3558E-06	3.7565E-06	2.50E-04	9.40E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
74	1.3558E-06	4.2691E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
75	1.3558E-06	4.6562E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
76	1.3558E-06	4.8063E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.65E-10	1,000,000	2.65E-04	3.8E-03			
77	1.3558E-06	4.6713E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
78	1.3558E-06	4.3047E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
79	1.3558E-06	3.7981E-06	2.50E-04	9.51E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
80	1.3558E-06	3.2755E-06	2.50E-04	8.20E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
81	1.3558E-06	2.795E-06	2.50E-04	7.00E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
82	1.3558E-06	2.3876E-06	2.50E-04	5.98E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
83	1.3558E-06	2.041E-06	2.50E-04	5.11E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
84	1.3558E-06	1.7585E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
85	1.3558E-06	1.5186E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.36E-11	1,000,000	8.36E-05	1.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.3558E-06	1.3329E-06	2.50E-04	3.34E-10	14.00	1.57E-02	7.34E-11	1,000,000	7.34E-05	1.1E-03			
87	1.3558E-06	1.1751E-06	2.50E-04	2.94E-10	14.00	1.57E-02	6.47E-11	1,000,000	6.47E-05	9.4E-04			
88	1.3558E-06	1.0449E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.75E-11	1,000,000	5.75E-05	8.3E-04			
89	1.3558E-06	1.5859E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.73E-11	1,000,000	8.73E-05	1.3E-03			
90	1.3558E-06	1.8609E-06	2.50E-04	4.66E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
91	1.3558E-06	2.2121E-06	2.50E-04	5.54E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
92	1.3558E-06	2.6654E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
93	1.3558E-06	3.2524E-06	2.50E-04	8.14E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
94	1.3558E-06	3.9995E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
95	1.3558E-06	4.9093E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.70E-10	1,000,000	2.70E-04	3.9E-03			
96	1.3558E-06	5.8878E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.24E-10	1,000,000	3.24E-04	4.7E-03			
97	1.3558E-06	6.6992E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
98	1.3558E-06	7.0191E-06	2.50E-04	1.76E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
99	1.3558E-06	6.7048E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
100	1.3558E-06	5.9282E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.26E-10	1,000,000	3.26E-04	4.7E-03			
101	1.3558E-06	4.9798E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.74E-10	1,000,000	2.74E-04	4.0E-03			
102	1.3558E-06	4.0937E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
103	1.3558E-06	3.3606E-06	2.50E-04	8.41E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
104	1.3558E-06	2.7732E-06	2.50E-04	6.94E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
105	1.3558E-06	2.3176E-06	2.50E-04	5.80E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.8E-03			
106	1.3558E-06	1.9569E-06	2.50E-04	4.90E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
107	1.3558E-06	1.6703E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.20E-11	1,000,000	9.20E-05	1.3E-03			
108	1.3558E-06	1.4431E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.95E-11	1,000,000	7.95E-05	1.1E-03			
109	1.3558E-06	1.2595E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
110	1.3558E-06	1.1118E-06	2.50E-04	2.78E-10	14.00	1.57E-02	6.12E-11	1,000,000	6.12E-05	8.9E-04			
111	1.3558E-06	1.6914E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.31E-11	1,000,000	9.31E-05	1.3E-03			
112	1.3558E-06	2.0147E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
113	1.3558E-06	2.4426E-06	2.50E-04	6.11E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
114	1.3558E-06	3.0255E-06	2.50E-04	7.57E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
115	1.3558E-06	3.8401E-06	2.50E-04	9.61E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
116	1.3558E-06	4.9914E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	4.0E-03			
117	1.3558E-06	6.6089E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
118	1.3558E-06	8.6937E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.3558E-06	1.0698E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.5E-03			
120	1.3558E-06	1.1544E-05	2.50E-04	2.89E-09	14.00	1.57E-02	6.36E-10	1,000,000	6.36E-04	9.2E-03			
121	1.3558E-06	1.0706E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.5E-03			
122	1.3558E-06	8.7545E-06	2.50E-04	2.19E-09	14.00	1.57E-02	4.82E-10	1,000,000	4.82E-04	7.0E-03			
123	1.3558E-06	6.7651E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.72E-10	1,000,000	3.72E-04	5.4E-03			
124	1.3558E-06	5.1959E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.86E-10	1,000,000	2.86E-04	4.1E-03			
125	1.3558E-06	4.0541E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
126	1.3558E-06	3.2232E-06	2.50E-04	8.07E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
127	1.3558E-06	2.6213E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
128	1.3558E-06	2.171E-06	2.50E-04	5.43E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
129	1.3558E-06	1.8244E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.5E-03			
130	1.3558E-06	1.5589E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.58E-11	1,000,000	8.58E-05	1.2E-03			
131	1.3558E-06	1.3474E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.42E-11	1,000,000	7.42E-05	1.1E-03			
132	1.3558E-06	1.1798E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.50E-11	1,000,000	6.50E-05	9.4E-04			
133	1.3558E-06	1.7334E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.54E-11	1,000,000	9.54E-05	1.4E-03			
134	1.3558E-06	2.1212E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
135	1.3558E-06	2.6259E-06	2.50E-04	6.57E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
136	1.3558E-06	3.3615E-06	2.50E-04	8.41E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
137	1.3558E-06	4.4389E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
138	1.3558E-06	6.1506E-06	2.50E-04	1.54E-09	14.00	1.57E-02	3.39E-10	1,000,000	3.39E-04	4.9E-03			
139	1.3558E-06	9.053E-06	2.50E-04	2.27E-09	14.00	1.57E-02	4.98E-10	1,000,000	4.98E-04	7.2E-03			
140	1.3558E-06	1.4109E-05	2.50E-04	3.53E-09	14.00	1.57E-02	7.77E-10	1,000,000	7.77E-04	1.1E-02			
141	1.3558E-06	2.0773E-05	2.50E-04	5.20E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.7E-02			
142	1.3558E-06	2.3813E-05	2.50E-04	5.96E-09	14.00	1.57E-02	1.31E-09	1,000,000	1.31E-03	1.9E-02			
143	1.3558E-06	2.0671E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
144	1.3558E-06	1.4286E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.87E-10	1,000,000	7.87E-04	1.1E-02			
145	1.3558E-06	9.5232E-06	2.50E-04	2.38E-09	14.00	1.57E-02	5.24E-10	1,000,000	5.24E-04	7.6E-03			
146	1.3558E-06	6.6493E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
147	1.3558E-06	4.8859E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
148	1.3558E-06	3.7326E-06	2.50E-04	9.34E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
149	1.3558E-06	2.954E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
150	1.3558E-06	2.3929E-06	2.50E-04	5.99E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
151	1.3558E-06	1.9816E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.3558E-06	1.6748E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
153	1.3558E-06	1.4357E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
154	1.3558E-06	1.2473E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
155	1.3558E-06	1.5883E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.75E-11	1,000,000	8.75E-05	1.3E-03			
156	1.3558E-06	1.985E-06	2.50E-04	4.97E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
157	1.3558E-06	2.6222E-06	2.50E-04	6.56E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
158	1.3558E-06	3.4408E-06	2.50E-04	8.61E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
159	1.3558E-06	4.8793E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
160	1.3558E-06	7.1815E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.95E-10	1,000,000	3.95E-04	5.7E-03			
161	1.3558E-06	1.19E-05	2.50E-04	2.98E-09	14.00	1.57E-02	6.55E-10	1,000,000	6.55E-04	9.5E-03			
162	1.3558E-06	2.4952E-05	2.50E-04	6.24E-09	14.00	1.57E-02	1.37E-09	1,000,000	1.37E-03	2.0E-02			
163	1.3558E-06	7.9573E-05	2.50E-04	1.99E-08	14.00	1.57E-02	4.38E-09	1,000,000	4.38E-03	6.3E-02			
164	1.3558E-06	9.6676E-05	2.50E-04	2.42E-08	14.00	1.57E-02	5.32E-09	1,000,000	5.32E-03	7.7E-02			
165	1.3558E-06	7.5278E-05	2.50E-04	1.88E-08	14.00	1.57E-02	4.14E-09	1,000,000	4.14E-03	6.0E-02			
166	1.3558E-06	2.6658E-05	2.50E-04	6.67E-09	14.00	1.57E-02	1.47E-09	1,000,000	1.47E-03	2.1E-02			
167	1.3558E-06	1.3629E-05	2.50E-04	3.41E-09	14.00	1.57E-02	7.50E-10	1,000,000	7.50E-04	1.1E-02			
168	1.3558E-06	8.4592E-06	2.50E-04	2.12E-09	14.00	1.57E-02	4.66E-10	1,000,000	4.66E-04	6.7E-03			
169	1.3558E-06	5.8252E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.6E-03			
170	1.3558E-06	4.2724E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
171	1.3558E-06	3.2802E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
172	1.3558E-06	2.6175E-06	2.50E-04	6.55E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
173	1.3558E-06	2.1394E-06	2.50E-04	5.35E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
174	1.3558E-06	1.788E-06	2.50E-04	4.47E-10	14.00	1.57E-02	9.84E-11	1,000,000	9.84E-05	1.4E-03			
175	1.3558E-06	1.5224E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
176	1.3558E-06	1.3139E-06	2.50E-04	3.29E-10	14.00	1.57E-02	7.23E-11	1,000,000	7.23E-05	1.0E-03			
177	1.3558E-06	1.5032E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.28E-11	1,000,000	8.28E-05	1.2E-03			
178	1.3558E-06	1.909E-06	2.50E-04	4.78E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
179	1.3558E-06	2.5452E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
180	1.3558E-06	3.4907E-06	2.50E-04	8.74E-10	14.00	1.57E-02	1.92E-10	1,000,000	1.92E-04	2.8E-03			
181	1.3558E-06	4.9466E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
182	1.3558E-06	7.5249E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
183	1.3558E-06	1.334E-05	2.50E-04	3.34E-09	14.00	1.57E-02	7.34E-10	1,000,000	7.34E-04	1.1E-02			
184	1.3558E-06	6.6393E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.3558E-06	4.7238E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
186	1.3558E-06	3.579E-06	2.50E-04	8.96E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
187	1.3558E-06	2.8106E-06	2.50E-04	7.03E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
188	1.3558E-06	2.2741E-06	2.50E-04	5.69E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
189	1.3558E-06	1.8871E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
190	1.3558E-06	1.596E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.79E-11	1,000,000	8.79E-05	1.3E-03			
191	1.3558E-06	1.3705E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.55E-11	1,000,000	7.55E-05	1.1E-03			
192	1.3558E-06	1.3618E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.50E-11	1,000,000	7.50E-05	1.1E-03			
193	1.3558E-06	1.7113E-06	2.50E-04	4.28E-10	14.00	1.57E-02	9.42E-11	1,000,000	9.42E-05	1.4E-03			
194	1.3558E-06	2.2634E-06	2.50E-04	5.66E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
195	1.3558E-06	3.054E-06	2.50E-04	7.64E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
196	1.3558E-06	4.4135E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
197	1.3558E-06	6.5375E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
198	1.3558E-06	1.1484E-05	2.50E-04	2.87E-09	14.00	1.57E-02	6.32E-10	1,000,000	6.32E-04	9.1E-03			
199	1.3558E-06	5.1748E-05	2.50E-04	1.30E-08	14.00	1.57E-02	2.85E-09	1,000,000	2.85E-03	4.1E-02			
200	1.3558E-06	6.9794E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.84E-10	1,000,000	3.84E-04	5.6E-03			
201	1.3558E-06	4.9648E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	4.0E-03			
202	1.3558E-06	3.7306E-06	2.50E-04	9.34E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
203	1.3558E-06	2.9253E-06	2.50E-04	7.32E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
204	1.3558E-06	2.3617E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
205	1.3558E-06	1.9536E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
206	1.3558E-06	1.6475E-06	2.50E-04	4.12E-10	14.00	1.57E-02	9.07E-11	1,000,000	9.07E-05	1.3E-03			
207	1.3558E-06	1.4124E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.78E-11	1,000,000	7.78E-05	1.1E-03			
208	1.3558E-06	1.2074E-06	2.50E-04	3.02E-10	14.00	1.57E-02	6.65E-11	1,000,000	6.65E-05	9.6E-04			
209	1.3558E-06	1.5049E-06	2.50E-04	3.77E-10	14.00	1.57E-02	8.29E-11	1,000,000	8.29E-05	1.2E-03			
210	1.3558E-06	1.858E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
211	1.3558E-06	2.5163E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
212	1.3558E-06	3.436E-06	2.50E-04	8.60E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
213	1.3558E-06	5.0483E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
214	1.3558E-06	8.101E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.46E-10	1,000,000	4.46E-04	6.5E-03			
215	1.3558E-06	1.3537E-05	2.50E-04	3.39E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.1E-02			
216	1.3558E-06	2.2292E-05	2.50E-04	5.58E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
217	1.3558E-06	3.227E-05	2.50E-04	8.08E-09	14.00	1.57E-02	1.78E-09	1,000,000	1.78E-03	2.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.3558E-06	9.798E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.39E-10	1,000,000	5.39E-04	7.8E-03			
219	1.3558E-06	6.6597E-06	2.50E-04	1.67E-09	14.00	1.57E-02	3.67E-10	1,000,000	3.67E-04	5.3E-03			
220	1.3558E-06	4.8494E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
221	1.3558E-06	3.7012E-06	2.50E-04	9.26E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	2.9E-03			
222	1.3558E-06	2.9247E-06	2.50E-04	7.32E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
223	1.3558E-06	2.3747E-06	2.50E-04	5.94E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
224	1.3558E-06	1.9707E-06	2.50E-04	4.93E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
225	1.3558E-06	1.665E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.17E-11	1,000,000	9.17E-05	1.3E-03			
226	1.3558E-06	1.429E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.87E-11	1,000,000	7.87E-05	1.1E-03			
227	1.3558E-06	1.0511E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.79E-11	1,000,000	5.79E-05	8.4E-04			
228	1.3558E-06	1.2731E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.01E-11	1,000,000	7.01E-05	1.0E-03			
229	1.3558E-06	1.5715E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.65E-11	1,000,000	8.65E-05	1.3E-03			
230	1.3558E-06	2.0179E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
231	1.3558E-06	2.6808E-06	2.50E-04	6.71E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
232	1.3558E-06	3.5815E-06	2.50E-04	8.96E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
233	1.3558E-06	5.3561E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
234	1.3558E-06	7.6984E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.24E-10	1,000,000	4.24E-04	6.1E-03			
235	1.3558E-06	1.1125E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.13E-10	1,000,000	6.13E-04	8.9E-03			
236	1.3558E-06	1.6295E-05	2.50E-04	4.08E-09	14.00	1.57E-02	8.97E-10	1,000,000	8.97E-04	1.3E-02			
237	1.3558E-06	2.5831E-05	2.50E-04	6.46E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
238	1.3558E-06	1.9539E-05	2.50E-04	4.89E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
239	1.3558E-06	1.1812E-05	2.50E-04	2.96E-09	14.00	1.57E-02	6.50E-10	1,000,000	6.50E-04	9.4E-03			
240	1.3558E-06	7.9993E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.4E-03			
241	1.3558E-06	5.8058E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
242	1.3558E-06	4.4101E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.43E-10	1,000,000	2.43E-04	3.5E-03			
243	1.3558E-06	3.4641E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
244	1.3558E-06	2.7929E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
245	1.3558E-06	2.3006E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
246	1.3558E-06	1.9292E-06	2.50E-04	4.83E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
247	1.3558E-06	1.6424E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.04E-11	1,000,000	9.04E-05	1.3E-03			
248	1.3558E-06	1.4172E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.80E-11	1,000,000	7.80E-05	1.1E-03			
249	1.3558E-06	9.1641E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.05E-11	1,000,000	5.05E-05	7.3E-04			
250	1.3558E-06	1.0831E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.3558E-06	1.2984E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
252	1.3558E-06	1.628E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.96E-11	1,000,000	8.96E-05	1.3E-03			
253	1.3558E-06	2.0538E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
254	1.3558E-06	2.7662E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
255	1.3558E-06	3.6239E-06	2.50E-04	9.07E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
256	1.3558E-06	5.0527E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
257	1.3558E-06	6.449E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
258	1.3558E-06	8.0659E-06	2.50E-04	2.02E-09	14.00	1.57E-02	4.44E-10	1,000,000	4.44E-04	6.4E-03			
259	1.3558E-06	9.812E-06	2.50E-04	2.46E-09	14.00	1.57E-02	5.40E-10	1,000,000	5.40E-04	7.8E-03			
260	1.3558E-06	9.4346E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
261	1.3558E-06	7.7101E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.25E-10	1,000,000	4.25E-04	6.1E-03			
262	1.3558E-06	6.0109E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
263	1.3558E-06	4.7315E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
264	1.3558E-06	3.7904E-06	2.50E-04	9.49E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
265	1.3558E-06	3.0915E-06	2.50E-04	7.74E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
266	1.3558E-06	2.5611E-06	2.50E-04	6.41E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
267	1.3558E-06	2.1531E-06	2.50E-04	5.39E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
268	1.3558E-06	1.8335E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
269	1.3558E-06	1.5794E-06	2.50E-04	3.95E-10	14.00	1.57E-02	8.70E-11	1,000,000	8.70E-05	1.3E-03			
270	1.3558E-06	1.3749E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.57E-11	1,000,000	7.57E-05	1.1E-03			
271	1.3558E-06	7.795E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.29E-11	1,000,000	4.29E-05	6.2E-04			
272	1.3558E-06	9.0307E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.97E-11	1,000,000	4.97E-05	7.2E-04			
273	1.3558E-06	1.0729E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
274	1.3558E-06	1.2903E-06	2.50E-04	3.23E-10	14.00	1.57E-02	7.10E-11	1,000,000	7.10E-05	1.0E-03			
275	1.3558E-06	1.5794E-06	2.50E-04	3.95E-10	14.00	1.57E-02	8.70E-11	1,000,000	8.70E-05	1.3E-03			
276	1.3558E-06	2.0016E-06	2.50E-04	5.01E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
277	1.3558E-06	2.5338E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
278	1.3558E-06	3.1426E-06	2.50E-04	7.86E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
279	1.3558E-06	3.9587E-06	2.50E-04	9.91E-10	14.00	1.57E-02	2.18E-10	1,000,000	2.18E-04	3.2E-03			
280	1.3558E-06	4.757E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
281	1.3558E-06	5.4146E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.3E-03			
282	1.3558E-06	5.6313E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.10E-10	1,000,000	3.10E-04	4.5E-03			
283	1.3558E-06	5.1453E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.83E-10	1,000,000	2.83E-04	4.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.3558E-06	4.2832E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
285	1.3558E-06	3.7043E-06	2.50E-04	9.27E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			
286	1.3558E-06	3.1608E-06	2.50E-04	7.91E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
287	1.3558E-06	2.6817E-06	2.50E-04	6.71E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
288	1.3558E-06	2.2857E-06	2.50E-04	5.72E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
289	1.3558E-06	1.9607E-06	2.50E-04	4.91E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
290	1.3558E-06	1.7004E-06	2.50E-04	4.26E-10	14.00	1.57E-02	9.36E-11	1,000,000	9.36E-05	1.4E-03			
291	1.3558E-06	1.4858E-06	2.50E-04	3.72E-10	14.00	1.57E-02	8.18E-11	1,000,000	8.18E-05	1.2E-03			
292	1.3558E-06	1.3082E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.20E-11	1,000,000	7.20E-05	1.0E-03			
293	1.3558E-06	6.6829E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.68E-11	1,000,000	3.68E-05	5.3E-04			
294	1.3558E-06	7.6779E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.23E-11	1,000,000	4.23E-05	6.1E-04			
295	1.3558E-06	8.8929E-07	2.50E-04	2.23E-10	14.00	1.57E-02	4.90E-11	1,000,000	4.90E-05	7.1E-04			
296	1.3558E-06	1.0322E-06	2.50E-04	2.58E-10	14.00	1.57E-02	5.68E-11	1,000,000	5.68E-05	8.2E-04			
297	1.3558E-06	1.2446E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.85E-11	1,000,000	6.85E-05	9.9E-04			
298	1.3558E-06	1.4979E-06	2.50E-04	3.75E-10	14.00	1.57E-02	8.25E-11	1,000,000	8.25E-05	1.2E-03			
299	1.3558E-06	1.8166E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
300	1.3558E-06	2.2528E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
301	1.3558E-06	2.5877E-06	2.50E-04	6.48E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
302	1.3558E-06	3.1024E-06	2.50E-04	7.76E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
303	1.3558E-06	3.4642E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
304	1.3558E-06	3.7052E-06	2.50E-04	9.27E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			
305	1.3558E-06	3.5416E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
306	1.3558E-06	3.1335E-06	2.50E-04	7.84E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
307	1.3558E-06	2.8308E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
308	1.3558E-06	2.5454E-06	2.50E-04	6.37E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
309	1.3558E-06	2.2884E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
310	1.3558E-06	2.0157E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
311	1.3558E-06	1.7622E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.70E-11	1,000,000	9.70E-05	1.4E-03			
312	1.3558E-06	1.5502E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.54E-11	1,000,000	8.54E-05	1.2E-03			
313	1.3558E-06	1.3743E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.57E-11	1,000,000	7.57E-05	1.1E-03			
314	1.3558E-06	1.2247E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.74E-11	1,000,000	6.74E-05	9.8E-04			
315	1.3558E-06	5.6278E-07	2.50E-04	1.41E-10	14.00	1.57E-02	3.10E-11	1,000,000	3.10E-05	4.5E-04			
316	1.3558E-06	6.409E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.53E-11	1,000,000	3.53E-05	5.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.3558E-06	7.3054E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.02E-11	1,000,000	4.02E-05	5.8E-04			
318	1.3558E-06	8.3412E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.59E-11	1,000,000	4.59E-05	6.6E-04			
319	1.3558E-06	9.5034E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.23E-11	1,000,000	5.23E-05	7.6E-04			
320	1.3558E-06	1.1634E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			
321	1.3558E-06	1.3471E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.42E-11	1,000,000	7.42E-05	1.1E-03			
322	1.3558E-06	1.5842E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.72E-11	1,000,000	8.72E-05	1.3E-03			
323	1.3558E-06	1.8817E-06	2.50E-04	4.71E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
324	1.3558E-06	2.1462E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
325	1.3558E-06	2.3854E-06	2.50E-04	5.97E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
326	1.3558E-06	2.5559E-06	2.50E-04	6.40E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
327	1.3558E-06	2.8423E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
328	1.3558E-06	2.2894E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
329	1.3558E-06	2.1357E-06	2.50E-04	5.35E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
330	1.3558E-06	2.024E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
331	1.3558E-06	1.8911E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
332	1.3558E-06	1.742E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.59E-11	1,000,000	9.59E-05	1.4E-03			
333	1.3558E-06	1.5902E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.76E-11	1,000,000	8.76E-05	1.3E-03			
334	1.3558E-06	1.4147E-06	2.50E-04	3.54E-10	14.00	1.57E-02	7.79E-11	1,000,000	7.79E-05	1.1E-03			
335	1.3558E-06	1.2641E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.96E-11	1,000,000	6.96E-05	1.0E-03			
336	1.3558E-06	1.138E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
337	1.3558E-06	4.884E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.69E-11	1,000,000	2.69E-05	3.9E-04			
338	1.3558E-06	5.4532E-07	2.50E-04	1.36E-10	14.00	1.57E-02	3.00E-11	1,000,000	3.00E-05	4.3E-04			
339	1.3558E-06	6.0439E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.33E-11	1,000,000	3.33E-05	4.8E-04			
340	1.3558E-06	6.9152E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.81E-11	1,000,000	3.81E-05	5.5E-04			
341	1.3558E-06	7.7573E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.27E-11	1,000,000	4.27E-05	6.2E-04			
342	1.3558E-06	9.213E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
343	1.3558E-06	1.0369E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.71E-11	1,000,000	5.71E-05	8.3E-04			
344	1.3558E-06	1.1992E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.60E-11	1,000,000	6.60E-05	9.6E-04			
345	1.3558E-06	1.3743E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.57E-11	1,000,000	7.57E-05	1.1E-03			
346	1.3558E-06	1.5821E-06	2.50E-04	3.96E-10	14.00	1.57E-02	8.71E-11	1,000,000	8.71E-05	1.3E-03			
347	1.3558E-06	1.7063E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.39E-11	1,000,000	9.39E-05	1.4E-03			
348	1.3558E-06	1.8183E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
349	1.3558E-06	1.6632E-06	2.50E-04	4.16E-10	14.00	1.57E-02	9.16E-11	1,000,000	9.16E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.3558E-06	1.6386E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
351	1.3558E-06	1.606E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.84E-11	1,000,000	8.84E-05	1.3E-03			
352	1.3558E-06	1.5129E-06	2.50E-04	3.79E-10	14.00	1.57E-02	8.33E-11	1,000,000	8.33E-05	1.2E-03			
353	1.3558E-06	1.5197E-06	2.50E-04	3.80E-10	14.00	1.57E-02	8.37E-11	1,000,000	8.37E-05	1.2E-03			
354	1.3558E-06	1.4454E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.96E-11	1,000,000	7.96E-05	1.2E-03			
355	1.3558E-06	1.3721E-06	2.50E-04	3.43E-10	14.00	1.57E-02	7.55E-11	1,000,000	7.55E-05	1.1E-03			
356	1.3558E-06	1.2779E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.04E-11	1,000,000	7.04E-05	1.0E-03			
357	1.3558E-06	1.1788E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
358	1.3558E-06	1.0791E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.94E-11	1,000,000	5.94E-05	8.6E-04			
359	1.3558E-06	4.1682E-07	2.50E-04	1.04E-10	14.00	1.57E-02	2.30E-11	1,000,000	2.30E-05	3.3E-04			
360	1.3558E-06	4.6403E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.55E-11	1,000,000	2.55E-05	3.7E-04			
361	1.3558E-06	5.1348E-07	2.50E-04	1.29E-10	14.00	1.57E-02	2.83E-11	1,000,000	2.83E-05	4.1E-04			
362	1.3558E-06	5.7047E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			
363	1.3558E-06	6.3E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.47E-11	1,000,000	3.47E-05	5.0E-04			
364	1.3558E-06	7.2109E-07	2.50E-04	1.80E-10	14.00	1.57E-02	3.97E-11	1,000,000	3.97E-05	5.7E-04			
365	1.3558E-06	8.2161E-07	2.50E-04	2.06E-10	14.00	1.57E-02	4.52E-11	1,000,000	4.52E-05	6.5E-04			
366	1.3558E-06	9.3826E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.17E-11	1,000,000	5.17E-05	7.5E-04			
367	1.3558E-06	1.0811E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.95E-11	1,000,000	5.95E-05	8.6E-04			
368	1.3558E-06	1.1879E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.54E-11	1,000,000	6.54E-05	9.5E-04			
369	1.3558E-06	1.2471E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
370	1.3558E-06	1.2532E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.90E-11	1,000,000	6.90E-05	1.0E-03			
371	1.3558E-06	1.2768E-06	2.50E-04	3.20E-10	14.00	1.57E-02	7.03E-11	1,000,000	7.03E-05	1.0E-03			
372	1.3558E-06	1.2644E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.96E-11	1,000,000	6.96E-05	1.0E-03			
373	1.3558E-06	1.2104E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.66E-11	1,000,000	6.66E-05	9.6E-04			
374	1.3558E-06	1.159E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
375	1.3558E-06	1.1804E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.50E-11	1,000,000	6.50E-05	9.4E-04			
376	1.3558E-06	1.1507E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.34E-11	1,000,000	6.34E-05	9.2E-04			
377	1.3558E-06	1.1325E-06	2.50E-04	2.83E-10	14.00	1.57E-02	6.24E-11	1,000,000	6.24E-05	9.0E-04			
378	1.3558E-06	1.1166E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			
379	1.3558E-06	1.0499E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			
380	1.3558E-06	9.8533E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.8E-04			
381	1.3558E-06	1.7353E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.55E-11	1,000,000	9.55E-05	1.4E-03			
382	1.3558E-06	2.007E-06	2.50E-04	5.02E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.3558E-06	2.3295E-06	2.50E-04	5.83E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
384	1.3558E-06	2.7024E-06	2.50E-04	6.76E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
385	1.3558E-06	3.1133E-06	2.50E-04	7.79E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
386	1.3558E-06	3.522E-06	2.50E-04	8.81E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
387	1.3558E-06	3.8621E-06	2.50E-04	9.67E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
388	1.3558E-06	4.064E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
389	1.3558E-06	4.069E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
390	1.3558E-06	3.8784E-06	2.50E-04	9.71E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
391	1.3558E-06	3.5449E-06	2.50E-04	8.87E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
392	1.3558E-06	3.1467E-06	2.50E-04	7.88E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
393	1.3558E-06	2.7447E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
394	1.3558E-06	2.3791E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
395	1.3558E-06	2.0546E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
396	1.3558E-06	1.7809E-06	2.50E-04	4.46E-10	14.00	1.57E-02	9.81E-11	1,000,000	9.81E-05	1.4E-03			
397	1.3558E-06	1.5523E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.55E-11	1,000,000	8.55E-05	1.2E-03			
398	1.3558E-06	1.3606E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
399	1.3558E-06	1.928E-06	2.50E-04	4.83E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
400	1.3558E-06	2.2804E-06	2.50E-04	5.71E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
401	1.3558E-06	2.7233E-06	2.50E-04	6.82E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
402	1.3558E-06	3.2711E-06	2.50E-04	8.19E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
403	1.3558E-06	3.9226E-06	2.50E-04	9.82E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			
404	1.3558E-06	4.6283E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
405	1.3558E-06	5.2733E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
406	1.3558E-06	5.6756E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
407	1.3558E-06	5.6843E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
408	1.3558E-06	5.3101E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
409	1.3558E-06	4.6818E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.58E-10	1,000,000	2.58E-04	3.7E-03			
410	1.3558E-06	3.9821E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
411	1.3558E-06	3.3457E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
412	1.3558E-06	2.8082E-06	2.50E-04	7.03E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
413	1.3558E-06	2.3624E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
414	1.3558E-06	2.0049E-06	2.50E-04	5.02E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
415	1.3558E-06	1.7165E-06	2.50E-04	4.30E-10	14.00	1.57E-02	9.45E-11	1,000,000	9.45E-05	1.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.3558E-06	1.48E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
417	1.3558E-06	2.1213E-06	2.50E-04	5.31E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
418	1.3558E-06	2.569E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
419	1.3558E-06	3.1669E-06	2.50E-04	7.93E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
420	1.3558E-06	3.9705E-06	2.50E-04	9.94E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
421	1.3558E-06	5.0366E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
422	1.3558E-06	6.3694E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.51E-10	1,000,000	3.51E-04	5.1E-03			
423	1.3558E-06	7.7603E-06	2.50E-04	1.94E-09	14.00	1.57E-02	4.27E-10	1,000,000	4.27E-04	6.2E-03			
424	1.3558E-06	8.6974E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.79E-10	1,000,000	4.79E-04	6.9E-03			
425	1.3558E-06	8.6847E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.9E-03			
426	1.3558E-06	7.7888E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.29E-10	1,000,000	4.29E-04	6.2E-03			
427	1.3558E-06	6.4431E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
428	1.3558E-06	5.1623E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
429	1.3558E-06	4.1185E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
430	1.3558E-06	3.315E-06	2.50E-04	8.30E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
431	1.3558E-06	2.7084E-06	2.50E-04	6.78E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
432	1.3558E-06	2.2475E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
433	1.3558E-06	1.8972E-06	2.50E-04	4.75E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
434	1.3558E-06	1.6154E-06	2.50E-04	4.04E-10	14.00	1.57E-02	8.89E-11	1,000,000	8.89E-05	1.3E-03			
435	1.3558E-06	2.2908E-06	2.50E-04	5.73E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
436	1.3558E-06	2.846E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
437	1.3558E-06	3.627E-06	2.50E-04	9.08E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
438	1.3558E-06	4.7772E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
439	1.3558E-06	6.5314E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
440	1.3558E-06	9.2019E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.07E-10	1,000,000	5.07E-04	7.3E-03			
441	1.3558E-06	1.2739E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.01E-10	1,000,000	7.01E-04	1.0E-02			
442	1.3558E-06	1.5533E-05	2.50E-04	3.89E-09	14.00	1.57E-02	8.55E-10	1,000,000	8.55E-04	1.2E-02			
443	1.3558E-06	1.5504E-05	2.50E-04	3.88E-09	14.00	1.57E-02	8.54E-10	1,000,000	8.54E-04	1.2E-02			
444	1.3558E-06	1.2766E-05	2.50E-04	3.19E-09	14.00	1.57E-02	7.03E-10	1,000,000	7.03E-04	1.0E-02			
445	1.3558E-06	9.4003E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
446	1.3558E-06	6.8381E-06	2.50E-04	1.71E-09	14.00	1.57E-02	3.77E-10	1,000,000	3.77E-04	5.4E-03			
447	1.3558E-06	5.1E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
448	1.3558E-06	3.9133E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.3558E-06	3.0988E-06	2.50E-04	7.76E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
450	1.3558E-06	2.5161E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
451	1.3558E-06	2.0751E-06	2.50E-04	5.19E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
452	1.3558E-06	1.7494E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.63E-11	1,000,000	9.63E-05	1.4E-03			
453	1.3558E-06	2.3256E-06	2.50E-04	5.82E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
454	1.3558E-06	3.007E-06	2.50E-04	7.53E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
455	1.3558E-06	4.0307E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.22E-10	1,000,000	2.22E-04	3.2E-03			
456	1.3558E-06	5.5688E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
457	1.3558E-06	8.289E-06	2.50E-04	2.07E-09	14.00	1.57E-02	4.56E-10	1,000,000	4.56E-04	6.6E-03			
458	1.3558E-06	1.3771E-05	2.50E-04	3.45E-09	14.00	1.57E-02	7.58E-10	1,000,000	7.58E-04	1.1E-02			
459	1.3558E-06	2.5928E-05	2.50E-04	6.49E-09	14.00	1.57E-02	1.43E-09	1,000,000	1.43E-03	2.1E-02			
460	1.3558E-06	3.9441E-05	2.50E-04	9.87E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.1E-02			
461	1.3558E-06	3.9018E-05	2.50E-04	9.77E-09	14.00	1.57E-02	2.15E-09	1,000,000	2.15E-03	3.1E-02			
462	1.3558E-06	2.5855E-05	2.50E-04	6.47E-09	14.00	1.57E-02	1.42E-09	1,000,000	1.42E-03	2.1E-02			
463	1.3558E-06	1.4622E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.05E-10	1,000,000	8.05E-04	1.2E-02			
464	1.3558E-06	9.1733E-06	2.50E-04	2.30E-09	14.00	1.57E-02	5.05E-10	1,000,000	5.05E-04	7.3E-03			
465	1.3558E-06	6.2933E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
466	1.3558E-06	4.5994E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
467	1.3558E-06	3.5206E-06	2.50E-04	8.81E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
468	1.3558E-06	2.7876E-06	2.50E-04	6.98E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
469	1.3558E-06	2.2674E-06	2.50E-04	5.67E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
470	1.3558E-06	1.8854E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
471	1.3558E-06	2.1974E-06	2.50E-04	5.50E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
472	1.3558E-06	2.936E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
473	1.3558E-06	4.1241E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
474	1.3558E-06	5.9694E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.29E-10	1,000,000	3.29E-04	4.8E-03			
475	1.3558E-06	9.5827E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.28E-10	1,000,000	5.28E-04	7.6E-03			
476	1.3558E-06	5.2814E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.91E-10	1,000,000	2.91E-04	4.2E-03			
477	1.3558E-06	3.9136E-06	2.50E-04	9.79E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
478	1.3558E-06	3.0517E-06	2.50E-04	7.64E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
479	1.3558E-06	2.4486E-06	2.50E-04	6.13E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
480	1.3558E-06	2.0118E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
481	1.3558E-06	2.0396E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.3558E-06	2.7622E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
483	1.3558E-06	3.7337E-06	2.50E-04	9.34E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
484	1.3558E-06	5.4665E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.01E-10	1,000,000	3.01E-04	4.4E-03			
485	1.3558E-06	9.3236E-06	2.50E-04	2.33E-09	14.00	1.57E-02	5.13E-10	1,000,000	5.13E-04	7.4E-03			
486	1.3558E-06	5.7387E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.16E-10	1,000,000	3.16E-04	4.6E-03			
487	1.3558E-06	4.2156E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
488	1.3558E-06	3.2384E-06	2.50E-04	8.10E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
489	1.3558E-06	2.5821E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
490	1.3558E-06	2.1113E-06	2.50E-04	5.28E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
491	1.3558E-06	1.7985E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.90E-11	1,000,000	9.90E-05	1.4E-03			
492	1.3558E-06	2.3831E-06	2.50E-04	5.96E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
493	1.3558E-06	3.1764E-06	2.50E-04	7.95E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
494	1.3558E-06	4.5825E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
495	1.3558E-06	7.3278E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
496	1.3558E-06	3.7828E-05	2.50E-04	9.47E-09	14.00	1.57E-02	2.08E-09	1,000,000	2.08E-03	3.0E-02			
497	1.3558E-06	6.609E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.64E-09	1,000,000	3.64E-03	5.3E-02			
498	1.3558E-06	8.3214E-06	2.50E-04	2.08E-09	14.00	1.57E-02	4.58E-10	1,000,000	4.58E-04	6.6E-03			
499	1.3558E-06	5.8037E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
500	1.3558E-06	4.2828E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
501	1.3558E-06	3.3064E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
502	1.3558E-06	2.6367E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
503	1.3558E-06	2.1582E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
504	1.3558E-06	1.5415E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.49E-11	1,000,000	8.49E-05	1.2E-03			
505	1.3558E-06	1.9258E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
506	1.3558E-06	2.6533E-06	2.50E-04	6.64E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
507	1.3558E-06	3.5497E-06	2.50E-04	8.88E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
508	1.3558E-06	5.3772E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
509	1.3558E-06	8.0454E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.43E-10	1,000,000	4.43E-04	6.4E-03			
510	1.3558E-06	1.2269E-05	2.50E-04	3.07E-09	14.00	1.57E-02	6.76E-10	1,000,000	6.76E-04	9.8E-03			
511	1.3558E-06	1.7921E-05	2.50E-04	4.49E-09	14.00	1.57E-02	9.87E-10	1,000,000	9.87E-04	1.4E-02			
512	1.3558E-06	3.4724E-05	2.50E-04	8.69E-09	14.00	1.57E-02	1.91E-09	1,000,000	1.91E-03	2.8E-02			
513	1.3558E-06	6.5793E-05	2.50E-04	1.65E-08	14.00	1.57E-02	3.62E-09	1,000,000	3.62E-03	5.2E-02			
514	1.3558E-06	1.9276E-05	2.50E-04	4.82E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.3558E-06	1.1107E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.12E-10	1,000,000	6.12E-04	8.8E-03			
516	1.3558E-06	7.4473E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.9E-03			
517	1.3558E-06	5.3811E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
518	1.3558E-06	4.0819E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
519	1.3558E-06	3.2076E-06	2.50E-04	8.03E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
520	1.3558E-06	2.5903E-06	2.50E-04	6.48E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
521	1.3558E-06	2.1387E-06	2.50E-04	5.35E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
522	1.3558E-06	1.2885E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.09E-11	1,000,000	7.09E-05	1.0E-03			
523	1.3558E-06	1.6284E-06	2.50E-04	4.08E-10	14.00	1.57E-02	8.97E-11	1,000,000	8.97E-05	1.3E-03			
524	1.3558E-06	2.0955E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
525	1.3558E-06	2.7317E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
526	1.3558E-06	3.5157E-06	2.50E-04	8.80E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
527	1.3558E-06	5.2189E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
528	1.3558E-06	7.1184E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.92E-10	1,000,000	3.92E-04	5.7E-03			
529	1.3558E-06	9.6088E-06	2.50E-04	2.40E-09	14.00	1.57E-02	5.29E-10	1,000,000	5.29E-04	7.7E-03			
530	1.3558E-06	1.3367E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.36E-10	1,000,000	7.36E-04	1.1E-02			
531	1.3558E-06	1.4506E-05	2.50E-04	3.63E-09	14.00	1.57E-02	7.99E-10	1,000,000	7.99E-04	1.2E-02			
532	1.3558E-06	1.1241E-05	2.50E-04	2.81E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	9.0E-03			
533	1.3558E-06	8.1244E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.47E-10	1,000,000	4.47E-04	6.5E-03			
534	1.3558E-06	6.0366E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
535	1.3558E-06	4.6398E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
536	1.3558E-06	3.6665E-06	2.50E-04	9.18E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
537	1.3558E-06	2.9649E-06	2.50E-04	7.42E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
538	1.3558E-06	2.4449E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
539	1.3558E-06	2.0494E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
540	1.3558E-06	1.0779E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.94E-11	1,000,000	5.94E-05	8.6E-04			
541	1.3558E-06	1.3229E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.28E-11	1,000,000	7.28E-05	1.1E-03			
542	1.3558E-06	1.6388E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
543	1.3558E-06	2.0585E-06	2.50E-04	5.15E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
544	1.3558E-06	2.7047E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
545	1.3558E-06	3.4184E-06	2.50E-04	8.56E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
546	1.3558E-06	4.4701E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
547	1.3558E-06	5.5565E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.06E-10	1,000,000	3.06E-04	4.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.3558E-06	6.7565E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.72E-10	1,000,000	3.72E-04	5.4E-03			
549	1.3558E-06	7.2635E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
550	1.3558E-06	6.7945E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
551	1.3558E-06	5.7402E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.16E-10	1,000,000	3.16E-04	4.6E-03			
552	1.3558E-06	4.6575E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
553	1.3558E-06	3.8162E-06	2.50E-04	9.55E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
554	1.3558E-06	3.1626E-06	2.50E-04	7.92E-10	14.00	1.57E-02	1.74E-10	1,000,000	1.74E-04	2.5E-03			
555	1.3558E-06	2.6406E-06	2.50E-04	6.61E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
556	1.3558E-06	2.2321E-06	2.50E-04	5.59E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
557	1.3558E-06	1.9076E-06	2.50E-04	4.77E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
558	1.3558E-06	9.0534E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.98E-11	1,000,000	4.98E-05	7.2E-04			
559	1.3558E-06	1.0866E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.98E-11	1,000,000	5.98E-05	8.7E-04			
560	1.3558E-06	1.2752E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.02E-11	1,000,000	7.02E-05	1.0E-03			
561	1.3558E-06	1.5612E-06	2.50E-04	3.91E-10	14.00	1.57E-02	8.60E-11	1,000,000	8.60E-05	1.2E-03			
562	1.3558E-06	1.8713E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
563	1.3558E-06	2.2972E-06	2.50E-04	5.75E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
564	1.3558E-06	2.9274E-06	2.50E-04	7.33E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
565	1.3558E-06	3.4713E-06	2.50E-04	8.69E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
566	1.3558E-06	4.1216E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
567	1.3558E-06	4.3986E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
568	1.3558E-06	4.4607E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.46E-10	1,000,000	2.46E-04	3.6E-03			
569	1.3558E-06	3.8937E-06	2.50E-04	9.74E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
570	1.3558E-06	3.4188E-06	2.50E-04	8.56E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
571	1.3558E-06	3.0495E-06	2.50E-04	7.63E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
572	1.3558E-06	2.668E-06	2.50E-04	6.68E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
573	1.3558E-06	2.3013E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
574	1.3558E-06	1.9956E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
575	1.3558E-06	1.7374E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.57E-11	1,000,000	9.57E-05	1.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	2.25E-07		1.934E-05	164 Res
2	5	2.49E-07			
3	5	2.76E-07			
4	5	3.05E-07			
5	5	3.35E-07			
6	5	3.65E-07			
7	5	3.93E-07			
8	5	4.17E-07			
9	5	4.33E-07			
10	5	4.38E-07			
11	5	4.33E-07			
12	5	4.18E-07			
13	5	3.96E-07			
14	5	3.68E-07			
15	5	3.38E-07			
16	5	3.08E-07			
17	5	2.79E-07			
18	5	2.53E-07			
19	5	2.28E-07			
20	5	2.07E-07			
21	5	1.88E-07			
22	5	1.71E-07			
23	5	2.47E-07			
24	5	2.77E-07			
25	5	3.11E-07			
26	5	3.50E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	3.91E-07			
28	5	4.35E-07			
29	5	4.77E-07			
30	5	5.13E-07			
31	5	5.38E-07			
32	5	5.47E-07			
33	5	5.39E-07			
34	5	5.15E-07			
35	5	4.81E-07			
36	5	4.40E-07			
37	5	3.96E-07			
38	5	3.54E-07			
39	5	3.16E-07			
40	5	2.82E-07			
41	5	2.52E-07			
42	5	2.25E-07			
43	5	2.02E-07			
44	5	1.83E-07			
45	5	2.70E-07			
46	5	3.07E-07			
47	5	3.51E-07			
48	5	4.03E-07			
49	5	4.61E-07			
50	5	5.25E-07			
51	5	5.91E-07			
52	5	6.50E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	6.93E-07			
54	5	7.08E-07			
55	5	6.93E-07			
56	5	6.53E-07			
57	5	5.95E-07			
58	5	5.33E-07			
59	5	4.68E-07			
60	5	4.10E-07			
61	5	3.59E-07			
62	5	3.15E-07			
63	5	2.77E-07			
64	5	2.45E-07			
65	5	2.19E-07			
66	5	1.96E-07			
67	5	2.94E-07			
68	5	3.40E-07			
69	5	3.96E-07			
70	5	4.64E-07			
71	5	5.47E-07			
72	5	6.44E-07			
73	5	7.51E-07			
74	5	8.54E-07			
75	5	9.31E-07			
76	5	9.61E-07			
77	5	9.34E-07			
78	5	8.61E-07			
79	5	7.60E-07			
80	5	6.55E-07			
81	5	5.59E-07			
82	5	4.78E-07			
83	5	4.08E-07			
84	5	3.52E-07			
85	5	3.04E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	2.67E-07			
87	5	2.35E-07			
88	5	2.09E-07			
89	5	3.17E-07			
90	5	3.72E-07			
91	5	4.42E-07			
92	5	5.33E-07			
93	5	6.50E-07			
94	5	8.00E-07			
95	5	9.82E-07			
96	5	1.18E-06			
97	5	1.34E-06			
98	5	1.40E-06			
99	5	1.34E-06			
100	5	1.19E-06			
101	5	9.96E-07			
102	5	8.19E-07			
103	5	6.72E-07			
104	5	5.55E-07			
105	5	4.64E-07			
106	5	3.91E-07			
107	5	3.34E-07			
108	5	2.89E-07			
109	5	2.52E-07			
110	5	2.22E-07			
111	5	3.38E-07			
112	5	4.03E-07			
113	5	4.89E-07			
114	5	6.05E-07			
115	5	7.68E-07			
116	5	9.98E-07			
117	5	1.32E-06			
118	5	1.74E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	2.14E-06			
120	5	2.31E-06			
121	5	2.14E-06			
122	5	1.75E-06			
123	5	1.35E-06			
124	5	1.04E-06			
125	5	8.11E-07			
126	5	6.45E-07			
127	5	5.24E-07			
128	5	4.34E-07			
129	5	3.65E-07			
130	5	3.12E-07			
131	5	2.69E-07			
132	5	2.36E-07			
133	5	3.47E-07			
134	5	4.24E-07			
135	5	5.25E-07			
136	5	6.72E-07			
137	5	8.88E-07			
138	5	1.23E-06			
139	5	1.81E-06			
140	5	2.82E-06			
141	5	4.15E-06			
142	5	4.76E-06			
143	5	4.13E-06			
144	5	2.86E-06			
145	5	1.90E-06			
146	5	1.33E-06			
147	5	9.77E-07			
148	5	7.47E-07			
149	5	5.91E-07			
150	5	4.79E-07			
151	5	3.96E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	3.35E-07			
153	5	2.87E-07			
154	5	2.49E-07			
155	5	3.18E-07			
156	5	3.97E-07			
157	5	5.24E-07			
158	5	6.88E-07			
159	5	9.76E-07			
160	5	1.44E-06			
161	5	2.38E-06			
162	5	4.99E-06			
163	5	1.59E-05			
164	5	1.93E-05			
165	5	1.51E-05			
166	5	5.33E-06			
167	5	2.73E-06			
168	5	1.69E-06			
169	5	1.17E-06			
170	5	8.54E-07			
171	5	6.56E-07			
172	5	5.23E-07			
173	5	4.28E-07			
174	5	3.58E-07			
175	5	3.04E-07			
176	5	2.63E-07			
177	5	3.01E-07			
178	5	3.82E-07			
179	5	5.09E-07			
180	5	6.98E-07			
181	5	9.89E-07			
182	5	1.50E-06			
183	5	2.67E-06			
184	5	1.33E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	9.45E-07			
186	5	7.16E-07			
187	5	5.62E-07			
188	5	4.55E-07			
189	5	3.77E-07			
190	5	3.19E-07			
191	5	2.74E-07			
192	5	2.72E-07			
193	5	3.42E-07			
194	5	4.53E-07			
195	5	6.11E-07			
196	5	8.83E-07			
197	5	1.31E-06			
198	5	2.30E-06			
199	5	1.03E-05			
200	5	1.40E-06			
201	5	9.93E-07			
202	5	7.46E-07			
203	5	5.85E-07			
204	5	4.72E-07			
205	5	3.91E-07			
206	5	3.30E-07			
207	5	2.82E-07			
208	5	2.41E-07			
209	5	3.01E-07			
210	5	3.72E-07			
211	5	5.03E-07			
212	5	6.87E-07			
213	5	1.01E-06			
214	5	1.62E-06			
215	5	2.71E-06			
216	5	4.46E-06			
217	5	6.45E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.96E-06			
219	5	1.33E-06			
220	5	9.70E-07			
221	5	7.40E-07			
222	5	5.85E-07			
223	5	4.75E-07			
224	5	3.94E-07			
225	5	3.33E-07			
226	5	2.86E-07			
227	5	2.10E-07			
228	5	2.55E-07			
229	5	3.14E-07			
230	5	4.04E-07			
231	5	5.36E-07			
232	5	7.16E-07			
233	5	1.07E-06			
234	5	1.54E-06			
235	5	2.23E-06			
236	5	3.26E-06			
237	5	5.17E-06			
238	5	3.91E-06			
239	5	2.36E-06			
240	5	1.60E-06			
241	5	1.16E-06			
242	5	8.82E-07			
243	5	6.93E-07			
244	5	5.59E-07			
245	5	4.60E-07			
246	5	3.86E-07			
247	5	3.28E-07			
248	5	2.83E-07			
249	5	1.83E-07			
250	5	2.17E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	2.60E-07			
252	5	3.26E-07			
253	5	4.11E-07			
254	5	5.53E-07			
255	5	7.25E-07			
256	5	1.01E-06			
257	5	1.29E-06			
258	5	1.61E-06			
259	5	1.96E-06			
260	5	1.89E-06			
261	5	1.54E-06			
262	5	1.20E-06			
263	5	9.46E-07			
264	5	7.58E-07			
265	5	6.18E-07			
266	5	5.12E-07			
267	5	4.31E-07			
268	5	3.67E-07			
269	5	3.16E-07			
270	5	2.75E-07			
271	5	1.56E-07			
272	5	1.81E-07			
273	5	2.15E-07			
274	5	2.58E-07			
275	5	3.16E-07			
276	5	4.00E-07			
277	5	5.07E-07			
278	5	6.29E-07			
279	5	7.92E-07			
280	5	9.51E-07			
281	5	1.08E-06			
282	5	1.13E-06			
283	5	1.03E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	8.57E-07			
285	5	7.41E-07			
286	5	6.32E-07			
287	5	5.36E-07			
288	5	4.57E-07			
289	5	3.92E-07			
290	5	3.40E-07			
291	5	2.97E-07			
292	5	2.62E-07			
293	5	1.34E-07			
294	5	1.54E-07			
295	5	1.78E-07			
296	5	2.06E-07			
297	5	2.49E-07			
298	5	3.00E-07			
299	5	3.63E-07			
300	5	4.51E-07			
301	5	5.18E-07			
302	5	6.20E-07			
303	5	6.93E-07			
304	5	7.41E-07			
305	5	7.08E-07			
306	5	6.27E-07			
307	5	5.66E-07			
308	5	5.09E-07			
309	5	4.58E-07			
310	5	4.03E-07			
311	5	3.52E-07			
312	5	3.10E-07			
313	5	2.75E-07			
314	5	2.45E-07			
315	5	1.13E-07			
316	5	1.28E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	1.46E-07			
318	5	1.67E-07			
319	5	1.90E-07			
320	5	2.33E-07			
321	5	2.69E-07			
322	5	3.17E-07			
323	5	3.76E-07			
324	5	4.29E-07			
325	5	4.77E-07			
326	5	5.11E-07			
327	5	5.68E-07			
328	5	4.58E-07			
329	5	4.27E-07			
330	5	4.05E-07			
331	5	3.78E-07			
332	5	3.48E-07			
333	5	3.18E-07			
334	5	2.83E-07			
335	5	2.53E-07			
336	5	2.28E-07			
337	5	9.77E-08			
338	5	1.09E-07			
339	5	1.21E-07			
340	5	1.38E-07			
341	5	1.55E-07			
342	5	1.84E-07			
343	5	2.07E-07			
344	5	2.40E-07			
345	5	2.75E-07			
346	5	3.16E-07			
347	5	3.41E-07			
348	5	3.64E-07			
349	5	3.33E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	3.28E-07			
351	5	3.21E-07			
352	5	3.03E-07			
353	5	3.04E-07			
354	5	2.89E-07			
355	5	2.74E-07			
356	5	2.56E-07			
357	5	2.36E-07			
358	5	2.16E-07			
359	5	8.34E-08			
360	5	9.28E-08			
361	5	1.03E-07			
362	5	1.14E-07			
363	5	1.26E-07			
364	5	1.44E-07			
365	5	1.64E-07			
366	5	1.88E-07			
367	5	2.16E-07			
368	5	2.38E-07			
369	5	2.49E-07			
370	5	2.51E-07			
371	5	2.55E-07			
372	5	2.53E-07			
373	5	2.42E-07			
374	5	2.32E-07			
375	5	2.36E-07			
376	5	2.30E-07			
377	5	2.27E-07			
378	5	2.23E-07			
379	5	2.10E-07			
380	5	1.97E-07			
381	5	3.47E-07			
382	5	4.01E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	4.66E-07			
384	5	5.40E-07			
385	5	6.23E-07			
386	5	7.04E-07			
387	5	7.72E-07			
388	5	8.13E-07			
389	5	8.14E-07			
390	5	7.76E-07			
391	5	7.09E-07			
392	5	6.29E-07			
393	5	5.49E-07			
394	5	4.76E-07			
395	5	4.11E-07			
396	5	3.56E-07			
397	5	3.10E-07			
398	5	2.72E-07			
399	5	3.86E-07			
400	5	4.56E-07			
401	5	5.45E-07			
402	5	6.54E-07			
403	5	7.85E-07			
404	5	9.26E-07			
405	5	1.05E-06			
406	5	1.14E-06			
407	5	1.14E-06			
408	5	1.06E-06			
409	5	9.36E-07			
410	5	7.96E-07			
411	5	6.69E-07			
412	5	5.62E-07			
413	5	4.72E-07			
414	5	4.01E-07			
415	5	3.43E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	2.96E-07			
417	5	4.24E-07			
418	5	5.14E-07			
419	5	6.33E-07			
420	5	7.94E-07			
421	5	1.01E-06			
422	5	1.27E-06			
423	5	1.55E-06			
424	5	1.74E-06			
425	5	1.74E-06			
426	5	1.56E-06			
427	5	1.29E-06			
428	5	1.03E-06			
429	5	8.24E-07			
430	5	6.63E-07			
431	5	5.42E-07			
432	5	4.49E-07			
433	5	3.79E-07			
434	5	3.23E-07			
435	5	4.58E-07			
436	5	5.69E-07			
437	5	7.25E-07			
438	5	9.55E-07			
439	5	1.31E-06			
440	5	1.84E-06			
441	5	2.55E-06			
442	5	3.11E-06			
443	5	3.10E-06			
444	5	2.55E-06			
445	5	1.88E-06			
446	5	1.37E-06			
447	5	1.02E-06			
448	5	7.83E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	6.20E-07			
450	5	5.03E-07			
451	5	4.15E-07			
452	5	3.50E-07			
453	5	4.65E-07			
454	5	6.01E-07			
455	5	8.06E-07			
456	5	1.11E-06			
457	5	1.66E-06			
458	5	2.75E-06			
459	5	5.19E-06			
460	5	7.89E-06			
461	5	7.80E-06			
462	5	5.17E-06			
463	5	2.92E-06			
464	5	1.83E-06			
465	5	1.26E-06			
466	5	9.20E-07			
467	5	7.04E-07			
468	5	5.58E-07			
469	5	4.53E-07			
470	5	3.77E-07			
471	5	4.39E-07			
472	5	5.87E-07			
473	5	8.25E-07			
474	5	1.19E-06			
475	5	1.92E-06			
476	5	1.06E-06			
477	5	7.83E-07			
478	5	6.10E-07			
479	5	4.90E-07			
480	5	4.02E-07			
481	5	4.08E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	5.52E-07			
483	5	7.47E-07			
484	5	1.09E-06			
485	5	1.86E-06			
486	5	1.15E-06			
487	5	8.43E-07			
488	5	6.48E-07			
489	5	5.16E-07			
490	5	4.22E-07			
491	5	3.60E-07			
492	5	4.77E-07			
493	5	6.35E-07			
494	5	9.17E-07			
495	5	1.47E-06			
496	5	7.57E-06			
497	5	1.32E-05			
498	5	1.66E-06			
499	5	1.16E-06			
500	5	8.57E-07			
501	5	6.61E-07			
502	5	5.27E-07			
503	5	4.32E-07			
504	5	3.08E-07			
505	5	3.85E-07			
506	5	5.31E-07			
507	5	7.10E-07			
508	5	1.08E-06			
509	5	1.61E-06			
510	5	2.45E-06			
511	5	3.58E-06			
512	5	6.94E-06			
513	5	1.32E-05			
514	5	3.86E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	2.22E-06			
516	5	1.49E-06			
517	5	1.08E-06			
518	5	8.16E-07			
519	5	6.42E-07			
520	5	5.18E-07			
521	5	4.28E-07			
522	5	2.58E-07			
523	5	3.26E-07			
524	5	4.19E-07			
525	5	5.46E-07			
526	5	7.03E-07			
527	5	1.04E-06			
528	5	1.42E-06			
529	5	1.92E-06			
530	5	2.67E-06			
531	5	2.90E-06			
532	5	2.25E-06			
533	5	1.62E-06			
534	5	1.21E-06			
535	5	9.28E-07			
536	5	7.33E-07			
537	5	5.93E-07			
538	5	4.89E-07			
539	5	4.10E-07			
540	5	2.16E-07			
541	5	2.65E-07			
542	5	3.28E-07			
543	5	4.12E-07			
544	5	5.41E-07			
545	5	6.84E-07			
546	5	8.94E-07			
547	5	1.11E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE14

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.35E-06			
549	5	1.45E-06			
550	5	1.36E-06			
551	5	1.15E-06			
552	5	9.31E-07			
553	5	7.63E-07			
554	5	6.33E-07			
555	5	5.28E-07			
556	5	4.46E-07			
557	5	3.82E-07			
558	5	1.81E-07			
559	5	2.17E-07			
560	5	2.55E-07			
561	5	3.12E-07			
562	5	3.74E-07			
563	5	4.59E-07			
564	5	5.85E-07			
565	5	6.94E-07			
566	5	8.24E-07			
567	5	8.80E-07			
568	5	8.92E-07			
569	5	7.79E-07			
570	5	6.84E-07			
571	5	6.10E-07			
572	5	5.34E-07			
573	5	4.60E-07			
574	5	3.99E-07			
575	5	3.47E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.47	**1.5624E-06**	7.3305E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.97E-12	1,000,000	9.97E-06
2	0.50	1.5624E-06	7.8779E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
3	0.54	1.5624E-06	8.469E-07	3.46E-04	2.93E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
4	0.58	1.5624E-06	9.0991E-07	3.46E-04	3.15E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
5	0.63	1.5624E-06	9.7686E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
6	0.67	1.5624E-06	1.0468E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
7	0.72	1.5624E-06	1.1174E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
8	0.76	1.5624E-06	1.1873E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
9	0.80	1.5624E-06	1.2546E-06	3.46E-04	4.34E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
10	0.84	1.5624E-06	1.3152E-06	3.46E-04	4.55E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
11	0.87	1.5624E-06	1.3656E-06	3.46E-04	4.73E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
12	0.90	1.5624E-06	1.4034E-06	3.46E-04	4.86E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
13	0.91	1.5624E-06	1.4257E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
14	0.92	1.5624E-06	1.4308E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
15	0.91	1.5624E-06	1.4185E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
16	0.89	1.5624E-06	1.3885E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
17	0.86	1.5624E-06	1.3462E-06	3.46E-04	4.66E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
18	0.83	1.5624E-06	1.2919E-06	3.46E-04	4.47E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
19	0.79	1.5624E-06	1.2278E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
20	0.74	1.5624E-06	1.1612E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
21	0.70	1.5624E-06	1.0918E-06	3.46E-04	3.78E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
22	0.65	1.5624E-06	1.0211E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
23	0.50	1.5624E-06	7.8173E-07	3.46E-04	2.71E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
24	0.54	1.5624E-06	8.4549E-07	3.46E-04	2.93E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
25	0.59	1.5624E-06	9.1529E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
26	0.63	1.5624E-06	9.9117E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	0.69	1.5624E-06	1.0727E-06	3.46E-04	3.71E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
28	0.74	1.5624E-06	1.16E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
29	0.80	1.5624E-06	1.2494E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
30	0.86	1.5624E-06	1.3408E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
31	0.91	1.5624E-06	1.4287E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
32	0.97	1.5624E-06	1.5095E-06	3.46E-04	5.23E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
33	1.01	1.5624E-06	1.5773E-06	3.46E-04	5.46E-10	0.25	1.57E-01	2.15E-11	1,000,000	2.15E-05
34	1.04	1.5624E-06	1.6302E-06	3.46E-04	5.64E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05
35	1.06	1.5624E-06	1.6623E-06	3.46E-04	5.75E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
36	1.07	1.5624E-06	1.671E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
37	1.06	1.5624E-06	1.6498E-06	3.46E-04	5.71E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
38	1.03	1.5624E-06	1.6089E-06	3.46E-04	5.57E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
39	0.99	1.5624E-06	1.5522E-06	3.46E-04	5.37E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
40	0.95	1.5624E-06	1.4786E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
41	0.89	1.5624E-06	1.3934E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
42	0.83	1.5624E-06	1.3031E-06	3.46E-04	4.51E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
43	0.78	1.5624E-06	1.2117E-06	3.46E-04	4.19E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
44	0.72	1.5624E-06	1.129E-06	3.46E-04	3.91E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
45	0.53	1.5624E-06	8.3271E-07	3.46E-04	2.88E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
46	0.58	1.5624E-06	9.0677E-07	3.46E-04	3.14E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
47	0.63	1.5624E-06	9.8925E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
48	0.69	1.5624E-06	1.0806E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
49	0.76	1.5624E-06	1.1807E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
50	0.83	1.5624E-06	1.2892E-06	3.46E-04	4.46E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
51	0.90	1.5624E-06	1.4045E-06	3.46E-04	4.86E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
52	0.98	1.5624E-06	1.5235E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.05	1.5624E-06	1.6424E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
54	1.12	1.5624E-06	1.7524E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
55	1.18	1.5624E-06	1.848E-06	3.46E-04	6.40E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
56	1.23	1.5624E-06	1.9219E-06	3.46E-04	6.65E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
57	1.26	1.5624E-06	1.9665E-06	3.46E-04	6.81E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
58	1.27	1.5624E-06	1.9815E-06	3.46E-04	6.86E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
59	1.25	1.5624E-06	1.951E-06	3.46E-04	6.75E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
60	1.21	1.5624E-06	1.8918E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
61	1.16	1.5624E-06	1.8113E-06	3.46E-04	6.27E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
62	1.09	1.5624E-06	1.7077E-06	3.46E-04	5.91E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
63	1.02	1.5624E-06	1.593E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
64	0.94	1.5624E-06	1.4754E-06	3.46E-04	5.11E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
65	0.87	1.5624E-06	1.3609E-06	3.46E-04	4.71E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
66	0.80	1.5624E-06	1.2519E-06	3.46E-04	4.33E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
67	0.57	1.5624E-06	8.853E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
68	0.62	1.5624E-06	9.7094E-07	3.46E-04	3.36E-10	0.25	1.57E-01	1.32E-11	1,000,000	1.32E-05
69	0.68	1.5624E-06	1.0681E-06	3.46E-04	3.70E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
70	0.75	1.5624E-06	1.1776E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
71	0.83	1.5624E-06	1.3007E-06	3.46E-04	4.50E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
72	0.92	1.5624E-06	1.4373E-06	3.46E-04	4.98E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
73	1.02	1.5624E-06	1.5867E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
74	1.12	1.5624E-06	1.7443E-06	3.46E-04	6.04E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
75	1.22	1.5624E-06	1.9058E-06	3.46E-04	6.60E-10	0.25	1.57E-01	2.59E-11	1,000,000	2.59E-05
76	1.32	1.5624E-06	2.0624E-06	3.46E-04	7.14E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
77	1.41	1.5624E-06	2.2023E-06	3.46E-04	7.62E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
78	1.48	1.5624E-06	2.3138E-06	3.46E-04	8.01E-10	0.25	1.57E-01	3.15E-11	1,000,000	3.15E-05
79	1.52	1.5624E-06	2.3776E-06	3.46E-04	8.23E-10	0.25	1.57E-01	3.23E-11	1,000,000	3.23E-05
80	1.53	1.5624E-06	2.3916E-06	3.46E-04	8.28E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
81	1.51	1.5624E-06	2.3519E-06	3.46E-04	8.14E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
82	1.45	1.5624E-06	2.2699E-06	3.46E-04	7.86E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
83	1.37	1.5624E-06	2.1443E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
84	1.28	1.5624E-06	1.9982E-06	3.46E-04	6.92E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
85	1.17	1.5624E-06	1.8305E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.08	1.5624E-06	1.68E-06	3.46E-04	5.82E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
87	0.98	1.5624E-06	1.5293E-06	3.46E-04	5.29E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
88	0.89	1.5624E-06	1.3915E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
89	0.60	1.5624E-06	9.3841E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
90	0.66	1.5624E-06	1.0368E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
91	0.74	1.5624E-06	1.1505E-06	3.46E-04	3.98E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
92	0.82	1.5624E-06	1.2817E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
93	0.92	1.5624E-06	1.4327E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
94	1.03	1.5624E-06	1.6045E-06	3.46E-04	5.55E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
95	1.15	1.5624E-06	1.7985E-06	3.46E-04	6.23E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
96	1.29	1.5624E-06	2.012E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
97	1.43	1.5624E-06	2.2392E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
98	1.58	1.5624E-06	2.466E-06	3.46E-04	8.54E-10	0.25	1.57E-01	3.35E-11	1,000,000	3.35E-05
99	1.71	1.5624E-06	2.673E-06	3.46E-04	9.25E-10	0.25	1.57E-01	3.64E-11	1,000,000	3.64E-05
100	1.82	1.5624E-06	2.84E-06	3.46E-04	9.83E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
101	1.88	1.5624E-06	2.9409E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.00E-11	1,000,000	4.00E-05
102	1.90	1.5624E-06	2.9616E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.03E-11	1,000,000	4.03E-05
103	1.86	1.5624E-06	2.9026E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.95E-11	1,000,000	3.95E-05
104	1.77	1.5624E-06	2.7664E-06	3.46E-04	9.58E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
105	1.65	1.5624E-06	2.583E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
106	1.51	1.5624E-06	2.3666E-06	3.46E-04	8.19E-10	0.25	1.57E-01	3.22E-11	1,000,000	3.22E-05
107	1.37	1.5624E-06	2.1402E-06	3.46E-04	7.41E-10	0.25	1.57E-01	2.91E-11	1,000,000	2.91E-05
108	1.23	1.5624E-06	1.9244E-06	3.46E-04	6.66E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
109	1.10	1.5624E-06	1.7248E-06	3.46E-04	5.97E-10	0.25	1.57E-01	2.35E-11	1,000,000	2.35E-05
110	0.99	1.5624E-06	1.5498E-06	3.46E-04	5.36E-10	0.25	1.57E-01	2.11E-11	1,000,000	2.11E-05
111	0.63	1.5624E-06	9.9053E-07	3.46E-04	3.43E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
112	0.71	1.5624E-06	1.1028E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
113	0.79	1.5624E-06	1.2348E-06	3.46E-04	4.27E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
114	0.89	1.5624E-06	1.3905E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
115	1.01	1.5624E-06	1.5745E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
116	1.15	1.5624E-06	1.7908E-06	3.46E-04	6.20E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
117	1.31	1.5624E-06	2.0449E-06	3.46E-04	7.08E-10	0.25	1.57E-01	2.78E-11	1,000,000	2.78E-05
118	1.50	1.5624E-06	2.3382E-06	3.46E-04	8.09E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.70	1.5624E-06	2.6636E-06	3.46E-04	9.22E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
120	1.92	1.5624E-06	3.0053E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.09E-11	1,000,000	4.09E-05
121	2.13	1.5624E-06	3.3327E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
122	2.30	1.5624E-06	3.5969E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
123	2.41	1.5624E-06	3.7616E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.12E-11	1,000,000	5.12E-05
124	2.43	1.5624E-06	3.7946E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
125	2.36	1.5624E-06	3.6915E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.02E-11	1,000,000	5.02E-05
126	2.22	1.5624E-06	3.4649E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
127	2.03	1.5624E-06	3.1711E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
128	1.82	1.5624E-06	2.845E-06	3.46E-04	9.85E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
129	1.61	1.5624E-06	2.5162E-06	3.46E-04	8.71E-10	0.25	1.57E-01	3.42E-11	1,000,000	3.42E-05
130	1.42	1.5624E-06	2.22E-06	3.46E-04	7.68E-10	0.25	1.57E-01	3.02E-11	1,000,000	3.02E-05
131	1.25	1.5624E-06	1.954E-06	3.46E-04	6.76E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
132	1.11	1.5624E-06	1.7279E-06	3.46E-04	5.98E-10	0.25	1.57E-01	2.35E-11	1,000,000	2.35E-05
133	0.66	1.5624E-06	1.0358E-06	3.46E-04	3.59E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
134	0.75	1.5624E-06	1.1663E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
135	0.84	1.5624E-06	1.3175E-06	3.46E-04	4.56E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
136	0.96	1.5624E-06	1.5004E-06	3.46E-04	5.19E-10	0.25	1.57E-01	2.04E-11	1,000,000	2.04E-05
137	1.10	1.5624E-06	1.7224E-06	3.46E-04	5.96E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
138	1.28	1.5624E-06	1.9942E-06	3.46E-04	6.90E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
139	1.49	1.5624E-06	2.3265E-06	3.46E-04	8.05E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
140	1.75	1.5624E-06	2.7318E-06	3.46E-04	9.46E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
141	2.05	1.5624E-06	3.2069E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
142	2.40	1.5624E-06	3.7434E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.09E-11	1,000,000	5.09E-05
143	2.74	1.5624E-06	4.2843E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.83E-11	1,000,000	5.83E-05
144	3.04	1.5624E-06	4.743E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.45E-11	1,000,000	6.45E-05
145	3.22	1.5624E-06	5.0314E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.84E-11	1,000,000	6.84E-05
146	3.25	1.5624E-06	5.0808E-06	3.46E-04	1.76E-09	0.25	1.57E-01	6.91E-11	1,000,000	6.91E-05
147	3.13	1.5624E-06	4.8885E-06	3.46E-04	1.69E-09	0.25	1.57E-01	6.65E-11	1,000,000	6.65E-05
148	2.87	1.5624E-06	4.488E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.10E-11	1,000,000	6.10E-05
149	2.56	1.5624E-06	3.9954E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.43E-11	1,000,000	5.43E-05
150	2.22	1.5624E-06	3.467E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
151	1.91	1.5624E-06	2.9813E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.64	1.5624E-06	2.5685E-06	3.46E-04	8.89E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
153	1.42	1.5624E-06	2.2166E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
154	1.23	1.5624E-06	1.9251E-06	3.46E-04	6.66E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
155	0.64	1.5624E-06	1.0012E-06	3.46E-04	3.47E-10	0.25	1.57E-01	1.36E-11	1,000,000	1.36E-05
156	0.74	1.5624E-06	1.1547E-06	3.46E-04	4.00E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
157	0.88	1.5624E-06	1.3734E-06	3.46E-04	4.75E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
158	1.02	1.5624E-06	1.587E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
159	1.20	1.5624E-06	1.87E-06	3.46E-04	6.47E-10	0.25	1.57E-01	2.54E-11	1,000,000	2.54E-05
160	1.41	1.5624E-06	2.2052E-06	3.46E-04	7.63E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
161	1.69	1.5624E-06	2.6366E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
162	2.04	1.5624E-06	3.1943E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
163	2.50	1.5624E-06	3.9085E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05
164	3.06	1.5624E-06	4.7829E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.50E-11	1,000,000	6.50E-05
165	3.68	1.5624E-06	5.7458E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.81E-11	1,000,000	7.81E-05
166	4.24	1.5624E-06	6.6209E-06	3.46E-04	2.29E-09	0.25	1.57E-01	9.00E-11	1,000,000	9.00E-05
167	4.59	1.5624E-06	7.178E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.76E-11	1,000,000	9.76E-05
168	4.65	1.5624E-06	7.2666E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.88E-11	1,000,000	9.88E-05
169	4.40	1.5624E-06	6.8687E-06	3.46E-04	2.38E-09	0.25	1.57E-01	9.34E-11	1,000,000	9.34E-05
170	3.89	1.5624E-06	6.0768E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.26E-11	1,000,000	8.26E-05
171	3.29	1.5624E-06	5.1462E-06	3.46E-04	1.78E-09	0.25	1.57E-01	7.00E-11	1,000,000	7.00E-05
172	2.75	1.5624E-06	4.3033E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.85E-11	1,000,000	5.85E-05
173	2.28	1.5624E-06	3.5693E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.85E-11	1,000,000	4.85E-05
174	1.91	1.5624E-06	2.9815E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
175	1.61	1.5624E-06	2.5187E-06	3.46E-04	8.72E-10	0.25	1.57E-01	3.43E-11	1,000,000	3.43E-05
176	1.37	1.5624E-06	2.1471E-06	3.46E-04	7.43E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
177	0.63	1.5624E-06	9.8599E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
178	0.74	1.5624E-06	1.1581E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05
179	0.89	1.5624E-06	1.3914E-06	3.46E-04	4.82E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
180	1.07	1.5624E-06	1.6716E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
181	1.28	1.5624E-06	1.9937E-06	3.46E-04	6.90E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
182	1.54	1.5624E-06	2.4038E-06	3.46E-04	8.32E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
183	1.89	1.5624E-06	2.9523E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.01E-11	1,000,000	4.01E-05
184	6.72	1.5624E-06	1.0507E-05	3.46E-04	3.64E-09	0.25	1.57E-01	1.43E-10	1,000,000	1.43E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	5.56	1.5624E-06	8.6801E-06	3.46E-04	3.00E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
186	4.43	1.5624E-06	6.9227E-06	3.46E-04	2.40E-09	0.25	1.57E-01	9.41E-11	1,000,000	9.41E-05
187	3.47	1.5624E-06	5.4196E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.37E-11	1,000,000	7.37E-05
188	2.74	1.5624E-06	4.2884E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.83E-11	1,000,000	5.83E-05
189	2.22	1.5624E-06	3.4651E-06	3.46E-04	1.20E-09	0.25	1.57E-01	4.71E-11	1,000,000	4.71E-05
190	1.82	1.5624E-06	2.8503E-06	3.46E-04	9.87E-10	0.25	1.57E-01	3.88E-11	1,000,000	3.88E-05
191	1.52	1.5624E-06	2.3819E-06	3.46E-04	8.25E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
192	0.60	1.5624E-06	9.4463E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
193	0.71	1.5624E-06	1.1054E-06	3.46E-04	3.83E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
194	0.85	1.5624E-06	1.3293E-06	3.46E-04	4.60E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
195	1.03	1.5624E-06	1.6098E-06	3.46E-04	5.57E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
196	1.28	1.5624E-06	1.9956E-06	3.46E-04	6.91E-10	0.25	1.57E-01	2.71E-11	1,000,000	2.71E-05
197	1.57	1.5624E-06	2.455E-06	3.46E-04	8.50E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
198	2.04	1.5624E-06	3.1816E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
199	5.47	1.5624E-06	8.5402E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
200	12.10	1.5624E-06	1.8898E-05	3.46E-04	6.54E-09	0.25	1.57E-01	2.57E-10	1,000,000	2.57E-04
201	8.80	1.5624E-06	1.3754E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
202	6.11	1.5624E-06	9.5433E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
203	4.41	1.5624E-06	6.895E-06	3.46E-04	2.39E-09	0.25	1.57E-01	9.38E-11	1,000,000	9.38E-05
204	3.31	1.5624E-06	5.1677E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.03E-11	1,000,000	7.03E-05
205	2.57	1.5624E-06	4.016E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
206	2.06	1.5624E-06	3.2128E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
207	1.69	1.5624E-06	2.6355E-06	3.46E-04	9.12E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
208	0.56	1.5624E-06	8.8115E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
209	0.67	1.5624E-06	1.04E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
210	0.77	1.5624E-06	1.203E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
211	0.95	1.5624E-06	1.4909E-06	3.46E-04	5.16E-10	0.25	1.57E-01	2.03E-11	1,000,000	2.03E-05
212	1.17	1.5624E-06	1.8303E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
213	1.50	1.5624E-06	2.339E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
214	2.02	1.5624E-06	3.1502E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
215	2.79	1.5624E-06	4.3549E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.92E-11	1,000,000	5.92E-05
216	4.26	1.5624E-06	6.6511E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.05E-11	1,000,000	9.05E-05
217	7.28	1.5624E-06	1.1376E-05	3.46E-04	3.94E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	41.92	1.5624E-06	6.5498E-05	3.46E-04	2.27E-08	0.25	1.57E-01	8.91E-10	1,000,000	8.91E-04
219	35.15	1.5624E-06	5.492E-05	3.46E-04	1.90E-08	0.25	1.57E-01	7.47E-10	1,000,000	7.47E-04
220	15.99	1.5624E-06	2.499E-05	3.46E-04	8.65E-09	0.25	1.57E-01	3.40E-10	1,000,000	3.40E-04
221	8.76	1.5624E-06	1.3686E-05	3.46E-04	4.74E-09	0.25	1.57E-01	1.86E-10	1,000,000	1.86E-04
222	5.63	1.5624E-06	8.7968E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
223	3.96	1.5624E-06	6.1866E-06	3.46E-04	2.14E-09	0.25	1.57E-01	8.41E-11	1,000,000	8.41E-05
224	2.95	1.5624E-06	4.6144E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.28E-11	1,000,000	6.28E-05
225	2.30	1.5624E-06	3.5893E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.88E-11	1,000,000	4.88E-05
226	1.85	1.5624E-06	2.8871E-06	3.46E-04	9.99E-10	0.25	1.57E-01	3.93E-11	1,000,000	3.93E-05
227	0.52	1.5624E-06	8.0682E-07	3.46E-04	2.79E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
228	0.60	1.5624E-06	9.3704E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
229	0.71	1.5624E-06	1.1021E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
230	0.86	1.5624E-06	1.3376E-06	3.46E-04	4.63E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
231	1.07	1.5624E-06	1.6719E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
232	1.34	1.5624E-06	2.0936E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
233	1.86	1.5624E-06	2.9092E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.96E-11	1,000,000	3.96E-05
234	2.61	1.5624E-06	4.0764E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.54E-11	1,000,000	5.54E-05
235	4.05	1.5624E-06	6.3257E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.60E-11	1,000,000	8.60E-05
236	7.46	1.5624E-06	1.165E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
237	22.27	1.5624E-06	3.4802E-05	3.46E-04	1.20E-08	0.25	1.57E-01	4.73E-10	1,000,000	4.73E-04
238	50.93	1.5624E-06	7.9579E-05	3.46E-04	2.75E-08	0.25	1.57E-01	1.08E-09	1,000,000	1.08E-03
239	57.29	1.5624E-06	8.9507E-05	3.46E-04	3.10E-08	0.25	1.57E-01	1.22E-09	1,000,000	1.22E-03
240	62.46	1.5624E-06	9.7588E-05	3.46E-04	3.38E-08	0.25	1.57E-01	1.33E-09	1,000,000	1.33E-03
241	68.60	1.5624E-06	0.00010719	3.46E-04	3.71E-08	0.25	1.57E-01	1.46E-09	1,000,000	1.46E-03
242	26.98	1.5624E-06	4.2148E-05	3.46E-04	1.46E-08	0.25	1.57E-01	5.73E-10	1,000,000	5.73E-04
243	11.67	1.5624E-06	1.8239E-05	3.46E-04	6.31E-09	0.25	1.57E-01	2.48E-10	1,000,000	2.48E-04
244	6.84	1.5624E-06	1.0691E-05	3.46E-04	3.70E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
245	4.58	1.5624E-06	7.1553E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.73E-11	1,000,000	9.73E-05
246	3.31	1.5624E-06	5.1724E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.03E-11	1,000,000	7.03E-05
247	2.52	1.5624E-06	3.9393E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
248	2.00	1.5624E-06	3.1196E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.24E-11	1,000,000	4.24E-05
249	0.47	1.5624E-06	7.3938E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
250	0.54	1.5624E-06	8.4968E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.63	1.5624E-06	9.8927E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.35E-11	1,000,000	1.35E-05
252	0.77	1.5624E-06	1.2049E-06	3.46E-04	4.17E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
253	0.95	1.5624E-06	1.4803E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
254	1.25	1.5624E-06	1.9529E-06	3.46E-04	6.76E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
255	1.65	1.5624E-06	2.5727E-06	3.46E-04	8.91E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
256	2.39	1.5624E-06	3.7283E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
257	3.44	1.5624E-06	5.3741E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.31E-11	1,000,000	7.31E-05
258	5.39	1.5624E-06	8.4281E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
259	9.58	1.5624E-06	1.4961E-05	3.46E-04	5.18E-09	0.25	1.57E-01	2.03E-10	1,000,000	2.03E-04
260	14.90	1.5624E-06	2.3286E-05	3.46E-04	8.06E-09	0.25	1.57E-01	3.17E-10	1,000,000	3.17E-04
261	19.84	1.5624E-06	3.0992E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.21E-10	1,000,000	4.21E-04
262	29.55	1.5624E-06	4.6175E-05	3.46E-04	1.60E-08	0.25	1.57E-01	6.28E-10	1,000,000	6.28E-04
263	57.30	1.5624E-06	8.9519E-05	3.46E-04	3.10E-08	0.25	1.57E-01	1.22E-09	1,000,000	1.22E-03
264	28.68	1.5624E-06	4.4816E-05	3.46E-04	1.55E-08	0.25	1.57E-01	6.09E-10	1,000,000	6.09E-04
265	12.82	1.5624E-06	2.0031E-05	3.46E-04	6.93E-09	0.25	1.57E-01	2.72E-10	1,000,000	2.72E-04
266	7.46	1.5624E-06	1.1655E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.59E-10	1,000,000	1.59E-04
267	4.94	1.5624E-06	7.7187E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
268	3.54	1.5624E-06	5.5239E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.51E-11	1,000,000	7.51E-05
269	2.67	1.5624E-06	4.1715E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.67E-11	1,000,000	5.67E-05
270	2.10	1.5624E-06	3.2794E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
271	0.42	1.5624E-06	6.583E-07	3.46E-04	2.28E-10	0.25	1.57E-01	8.95E-12	1,000,000	8.95E-06
272	0.48	1.5624E-06	7.5156E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
273	0.57	1.5624E-06	8.8315E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
274	0.68	1.5624E-06	1.0558E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
275	0.83	1.5624E-06	1.2967E-06	3.46E-04	4.49E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
276	1.07	1.5624E-06	1.6718E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
277	1.41	1.5624E-06	2.2018E-06	3.46E-04	7.62E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
278	1.89	1.5624E-06	2.9536E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
279	2.72	1.5624E-06	4.2549E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.79E-11	1,000,000	5.79E-05
280	4.01	1.5624E-06	6.2583E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
281	6.01	1.5624E-06	9.3913E-06	3.46E-04	3.25E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
282	8.97	1.5624E-06	1.4008E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
283	13.00	1.5624E-06	2.0306E-05	3.46E-04	7.03E-09	0.25	1.57E-01	2.76E-10	1,000,000	2.76E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	22.54	1.5624E-06	3.5224E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.79E-10	1,000,000	4.79E-04
285	53.43	1.5624E-06	8.3485E-05	3.46E-04	2.89E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
286	27.19	1.5624E-06	4.2482E-05	3.46E-04	1.47E-08	0.25	1.57E-01	5.78E-10	1,000,000	5.78E-04
287	12.30	1.5624E-06	1.9215E-05	3.46E-04	6.65E-09	0.25	1.57E-01	2.61E-10	1,000,000	2.61E-04
288	7.31	1.5624E-06	1.1424E-05	3.46E-04	3.95E-09	0.25	1.57E-01	1.55E-10	1,000,000	1.55E-04
289	4.92	1.5624E-06	7.6819E-06	3.46E-04	2.66E-09	0.25	1.57E-01	1.04E-10	1,000,000	1.04E-04
290	3.55	1.5624E-06	5.5486E-06	3.46E-04	1.92E-09	0.25	1.57E-01	7.55E-11	1,000,000	7.55E-05
291	2.70	1.5624E-06	4.2198E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.74E-11	1,000,000	5.74E-05
292	2.13	1.5624E-06	3.3285E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
293	0.38	1.5624E-06	5.9253E-07	3.46E-04	2.05E-10	0.25	1.57E-01	8.06E-12	1,000,000	8.06E-06
294	0.43	1.5624E-06	6.794E-07	3.46E-04	2.35E-10	0.25	1.57E-01	9.24E-12	1,000,000	9.24E-06
295	0.51	1.5624E-06	7.8942E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
296	0.59	1.5624E-06	9.259E-07	3.46E-04	3.21E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
297	0.73	1.5624E-06	1.1418E-06	3.46E-04	3.95E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
298	0.91	1.5624E-06	1.4277E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
299	1.18	1.5624E-06	1.8423E-06	3.46E-04	6.38E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
300	1.60	1.5624E-06	2.5057E-06	3.46E-04	8.67E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
301	2.11	1.5624E-06	3.2921E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.48E-11	1,000,000	4.48E-05
302	3.05	1.5624E-06	4.7628E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.48E-11	1,000,000	6.48E-05
303	4.35	1.5624E-06	6.7968E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
304	6.31	1.5624E-06	9.8557E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
305	9.30	1.5624E-06	1.4528E-05	3.46E-04	5.03E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
306	17.37	1.5624E-06	2.7139E-05	3.46E-04	9.39E-09	0.25	1.57E-01	3.69E-10	1,000,000	3.69E-04
307	46.86	1.5624E-06	7.3208E-05	3.46E-04	2.53E-08	0.25	1.57E-01	9.96E-10	1,000,000	9.96E-04
308	22.96	1.5624E-06	3.5871E-05	3.46E-04	1.24E-08	0.25	1.57E-01	4.88E-10	1,000,000	4.88E-04
309	10.52	1.5624E-06	1.6434E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.23E-10	1,000,000	2.23E-04
310	6.51	1.5624E-06	1.0165E-05	3.46E-04	3.52E-09	0.25	1.57E-01	1.38E-10	1,000,000	1.38E-04
311	4.52	1.5624E-06	7.0669E-06	3.46E-04	2.45E-09	0.25	1.57E-01	9.61E-11	1,000,000	9.61E-05
312	3.35	1.5624E-06	5.2406E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.13E-11	1,000,000	7.13E-05
313	2.60	1.5624E-06	4.059E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.52E-11	1,000,000	5.52E-05
314	2.08	1.5624E-06	3.2447E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
315	0.34	1.5624E-06	5.2459E-07	3.46E-04	1.82E-10	0.25	1.57E-01	7.13E-12	1,000,000	7.13E-06
316	0.39	1.5624E-06	6.0243E-07	3.46E-04	2.09E-10	0.25	1.57E-01	8.19E-12	1,000,000	8.19E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.45	1.5624E-06	6.9657E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.47E-12	1,000,000	9.47E-06
318	0.52	1.5624E-06	8.1317E-07	3.46E-04	2.81E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
319	0.61	1.5624E-06	9.5719E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
320	0.79	1.5624E-06	1.2308E-06	3.46E-04	4.26E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
321	0.98	1.5624E-06	1.5257E-06	3.46E-04	5.28E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
322	1.27	1.5624E-06	1.9796E-06	3.46E-04	6.85E-10	0.25	1.57E-01	2.69E-11	1,000,000	2.69E-05
323	1.72	1.5624E-06	2.6858E-06	3.46E-04	9.30E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
324	2.33	1.5624E-06	3.6331E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.94E-11	1,000,000	4.94E-05
325	3.24	1.5624E-06	5.0565E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.88E-11	1,000,000	6.88E-05
326	4.55	1.5624E-06	7.1016E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
327	6.94	1.5624E-06	1.0845E-05	3.46E-04	3.75E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
328	10.20	1.5624E-06	1.593E-05	3.46E-04	5.51E-09	0.25	1.57E-01	2.17E-10	1,000,000	2.17E-04
329	21.00	1.5624E-06	3.2813E-05	3.46E-04	1.14E-08	0.25	1.57E-01	4.46E-10	1,000,000	4.46E-04
330	12.63	1.5624E-06	1.9727E-05	3.46E-04	6.83E-09	0.25	1.57E-01	2.68E-10	1,000,000	2.68E-04
331	7.53	1.5624E-06	1.1758E-05	3.46E-04	4.07E-09	0.25	1.57E-01	1.60E-10	1,000,000	1.60E-04
332	5.23	1.5624E-06	8.1674E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
333	3.89	1.5624E-06	6.0848E-06	3.46E-04	2.11E-09	0.25	1.57E-01	8.27E-11	1,000,000	8.27E-05
334	3.00	1.5624E-06	4.6848E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.37E-11	1,000,000	6.37E-05
335	2.39	1.5624E-06	3.7277E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.07E-11	1,000,000	5.07E-05
336	1.95	1.5624E-06	3.0419E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
337	0.31	1.5624E-06	4.7924E-07	3.46E-04	1.66E-10	0.25	1.57E-01	6.52E-12	1,000,000	6.52E-06
338	0.35	1.5624E-06	5.4345E-07	3.46E-04	1.88E-10	0.25	1.57E-01	7.39E-12	1,000,000	7.39E-06
339	0.39	1.5624E-06	6.1537E-07	3.46E-04	2.13E-10	0.25	1.57E-01	8.37E-12	1,000,000	8.37E-06
340	0.46	1.5624E-06	7.246E-07	3.46E-04	2.51E-10	0.25	1.57E-01	9.85E-12	1,000,000	9.85E-06
341	0.54	1.5624E-06	8.4429E-07	3.46E-04	2.92E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
342	0.68	1.5624E-06	1.0565E-06	3.46E-04	3.66E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
343	0.81	1.5624E-06	1.273E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
344	1.04	1.5624E-06	1.6179E-06	3.46E-04	5.60E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
345	1.35	1.5624E-06	2.1036E-06	3.46E-04	7.28E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
346	1.82	1.5624E-06	2.8367E-06	3.46E-04	9.82E-10	0.25	1.57E-01	3.86E-11	1,000,000	3.86E-05
347	2.36	1.5624E-06	3.693E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.02E-11	1,000,000	5.02E-05
348	3.20	1.5624E-06	4.9968E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.80E-11	1,000,000	6.80E-05
349	3.81	1.5624E-06	5.9486E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.09E-11	1,000,000	8.09E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	5.12	1.5624E-06	7.9925E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
351	6.20	1.5624E-06	9.6946E-06	3.46E-04	3.36E-09	0.25	1.57E-01	1.32E-10	1,000,000	1.32E-04
352	5.64	1.5624E-06	8.8115E-06	3.46E-04	3.05E-09	0.25	1.57E-01	1.20E-10	1,000,000	1.20E-04
353	4.76	1.5624E-06	7.4403E-06	3.46E-04	2.58E-09	0.25	1.57E-01	1.01E-10	1,000,000	1.01E-04
354	3.80	1.5624E-06	5.9433E-06	3.46E-04	2.06E-09	0.25	1.57E-01	8.08E-11	1,000,000	8.08E-05
355	3.11	1.5624E-06	4.8568E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.60E-11	1,000,000	6.60E-05
356	2.56	1.5624E-06	4.0042E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.45E-11	1,000,000	5.45E-05
357	2.13	1.5624E-06	3.3269E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.52E-11	1,000,000	4.52E-05
358	1.79	1.5624E-06	2.7944E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
359	0.27	1.5624E-06	4.2947E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.84E-12	1,000,000	5.84E-06
360	0.31	1.5624E-06	4.8777E-07	3.46E-04	1.69E-10	0.25	1.57E-01	6.63E-12	1,000,000	6.63E-06
361	0.35	1.5624E-06	5.5351E-07	3.46E-04	1.92E-10	0.25	1.57E-01	7.53E-12	1,000,000	7.53E-06
362	0.41	1.5624E-06	6.3455E-07	3.46E-04	2.20E-10	0.25	1.57E-01	8.63E-12	1,000,000	8.63E-06
363	0.47	1.5624E-06	7.2888E-07	3.46E-04	2.52E-10	0.25	1.57E-01	9.91E-12	1,000,000	9.91E-06
364	0.56	1.5624E-06	8.776E-07	3.46E-04	3.04E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
365	0.68	1.5624E-06	1.0683E-06	3.46E-04	3.70E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
366	0.85	1.5624E-06	1.3312E-06	3.46E-04	4.61E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
367	1.10	1.5624E-06	1.7227E-06	3.46E-04	5.96E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
368	1.39	1.5624E-06	2.1742E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
369	1.71	1.5624E-06	2.6693E-06	3.46E-04	9.24E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
370	2.04	1.5624E-06	3.194E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.34E-11	1,000,000	4.34E-05
371	2.52	1.5624E-06	3.9385E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.36E-11	1,000,000	5.36E-05
372	2.97	1.5624E-06	4.6458E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.32E-11	1,000,000	6.32E-05
373	3.17	1.5624E-06	4.9495E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
374	3.06	1.5624E-06	4.7764E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.50E-11	1,000,000	6.50E-05
375	2.98	1.5624E-06	4.6565E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.33E-11	1,000,000	6.33E-05
376	2.65	1.5624E-06	4.1424E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.63E-11	1,000,000	5.63E-05
377	2.36	1.5624E-06	3.6848E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.01E-11	1,000,000	5.01E-05
378	2.10	1.5624E-06	3.2794E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
379	1.82	1.5624E-06	2.8465E-06	3.46E-04	9.85E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
380	1.59	1.5624E-06	2.4814E-06	3.46E-04	8.59E-10	0.25	1.57E-01	3.37E-11	1,000,000	3.37E-05
381	0.63	1.5624E-06	9.8225E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
382	0.69	1.5624E-06	1.0769E-06	3.46E-04	3.73E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	0.76	1.5624E-06	1.1824E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
384	0.83	1.5624E-06	1.2989E-06	3.46E-04	4.50E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
385	0.91	1.5624E-06	1.4258E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
386	1.00	1.5624E-06	1.5601E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
387	1.09	1.5624E-06	1.6973E-06	3.46E-04	5.88E-10	0.25	1.57E-01	2.31E-11	1,000,000	2.31E-05
388	1.17	1.5624E-06	1.8329E-06	3.46E-04	6.35E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
389	1.25	1.5624E-06	1.9576E-06	3.46E-04	6.78E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
390	1.32	1.5624E-06	2.0614E-06	3.46E-04	7.14E-10	0.25	1.57E-01	2.80E-11	1,000,000	2.80E-05
391	1.37	1.5624E-06	2.1337E-06	3.46E-04	7.39E-10	0.25	1.57E-01	2.90E-11	1,000,000	2.90E-05
392	1.39	1.5624E-06	2.1673E-06	3.46E-04	7.50E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
393	1.38	1.5624E-06	2.1574E-06	3.46E-04	7.47E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
394	1.35	1.5624E-06	2.1083E-06	3.46E-04	7.30E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
395	1.29	1.5624E-06	2.0185E-06	3.46E-04	6.99E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
396	1.22	1.5624E-06	1.904E-06	3.46E-04	6.59E-10	0.25	1.57E-01	2.59E-11	1,000,000	2.59E-05
397	1.14	1.5624E-06	1.7746E-06	3.46E-04	6.14E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
398	1.05	1.5624E-06	1.6379E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
399	0.68	1.5624E-06	1.0546E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
400	0.75	1.5624E-06	1.167E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
401	0.83	1.5624E-06	1.2952E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
402	0.92	1.5624E-06	1.4399E-06	3.46E-04	4.98E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
403	1.02	1.5624E-06	1.6013E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
404	1.14	1.5624E-06	1.7772E-06	3.46E-04	6.15E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
405	1.26	1.5624E-06	1.9646E-06	3.46E-04	6.80E-10	0.25	1.57E-01	2.67E-11	1,000,000	2.67E-05
406	1.38	1.5624E-06	2.1555E-06	3.46E-04	7.46E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
407	1.50	1.5624E-06	2.3364E-06	3.46E-04	8.09E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
408	1.60	1.5624E-06	2.493E-06	3.46E-04	8.63E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
409	1.67	1.5624E-06	2.6028E-06	3.46E-04	9.01E-10	0.25	1.57E-01	3.54E-11	1,000,000	3.54E-05
410	1.70	1.5624E-06	2.65E-06	3.46E-04	9.17E-10	0.25	1.57E-01	3.60E-11	1,000,000	3.60E-05
411	1.69	1.5624E-06	2.6356E-06	3.46E-04	9.12E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
412	1.64	1.5624E-06	2.5604E-06	3.46E-04	8.86E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
413	1.55	1.5624E-06	2.4266E-06	3.46E-04	8.40E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
414	1.45	1.5624E-06	2.2591E-06	3.46E-04	7.82E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
415	1.33	1.5624E-06	2.0727E-06	3.46E-04	7.17E-10	0.25	1.57E-01	2.82E-11	1,000,000	2.82E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.20	1.5624E-06	1.8782E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
417	0.72	1.5624E-06	1.129E-06	3.46E-04	3.91E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
418	0.81	1.5624E-06	1.2614E-06	3.46E-04	4.37E-10	0.25	1.57E-01	1.72E-11	1,000,000	1.72E-05
419	0.91	1.5624E-06	1.4159E-06	3.46E-04	4.90E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
420	1.02	1.5624E-06	1.5953E-06	3.46E-04	5.52E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
421	1.15	1.5624E-06	1.8024E-06	3.46E-04	6.24E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
422	1.30	1.5624E-06	2.0389E-06	3.46E-04	7.06E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
423	1.47	1.5624E-06	2.3008E-06	3.46E-04	7.96E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
424	1.65	1.5624E-06	2.5772E-06	3.46E-04	8.92E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
425	1.82	1.5624E-06	2.8466E-06	3.46E-04	9.85E-10	0.25	1.57E-01	3.87E-11	1,000,000	3.87E-05
426	1.98	1.5624E-06	3.0874E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.20E-11	1,000,000	4.20E-05
427	2.08	1.5624E-06	3.2573E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.43E-11	1,000,000	4.43E-05
428	2.14	1.5624E-06	3.3379E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
429	2.12	1.5624E-06	3.3117E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.50E-11	1,000,000	4.50E-05
430	2.04	1.5624E-06	3.181E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
431	1.90	1.5624E-06	2.9729E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.04E-11	1,000,000	4.04E-05
432	1.74	1.5624E-06	2.7189E-06	3.46E-04	9.41E-10	0.25	1.57E-01	3.70E-11	1,000,000	3.70E-05
433	1.57	1.5624E-06	2.457E-06	3.46E-04	8.51E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
434	1.40	1.5624E-06	2.1874E-06	3.46E-04	7.57E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
435	0.77	1.5624E-06	1.2027E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
436	0.87	1.5624E-06	1.3572E-06	3.46E-04	4.70E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
437	0.99	1.5624E-06	1.5421E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
438	1.13	1.5624E-06	1.7635E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
439	1.30	1.5624E-06	2.0298E-06	3.46E-04	7.03E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
440	1.50	1.5624E-06	2.3468E-06	3.46E-04	8.12E-10	0.25	1.57E-01	3.19E-11	1,000,000	3.19E-05
441	1.74	1.5624E-06	2.7162E-06	3.46E-04	9.40E-10	0.25	1.57E-01	3.69E-11	1,000,000	3.69E-05
442	2.00	1.5624E-06	3.1291E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.26E-11	1,000,000	4.26E-05
443	2.28	1.5624E-06	3.5573E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
444	2.53	1.5624E-06	3.9477E-06	3.46E-04	1.37E-09	0.25	1.57E-01	5.37E-11	1,000,000	5.37E-05
445	2.71	1.5624E-06	4.2361E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.76E-11	1,000,000	5.76E-05
446	2.80	1.5624E-06	4.3698E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.94E-11	1,000,000	5.94E-05
447	2.76	1.5624E-06	4.3186E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.87E-11	1,000,000	5.87E-05
448	2.61	1.5624E-06	4.0843E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.55E-11	1,000,000	5.55E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	2.39	1.5624E-06	3.7417E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.09E-11	1,000,000	5.09E-05
450	2.14	1.5624E-06	3.3448E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.55E-11	1,000,000	4.55E-05
451	1.87	1.5624E-06	2.9239E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
452	1.63	1.5624E-06	2.5532E-06	3.46E-04	8.84E-10	0.25	1.57E-01	3.47E-11	1,000,000	3.47E-05
453	0.81	1.5624E-06	1.2583E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
454	0.92	1.5624E-06	1.4451E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
455	1.07	1.5624E-06	1.6692E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05
456	1.24	1.5624E-06	1.94E-06	3.46E-04	6.72E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
457	1.46	1.5624E-06	2.2786E-06	3.46E-04	7.89E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
458	1.73	1.5624E-06	2.7039E-06	3.46E-04	9.36E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
459	2.07	1.5624E-06	3.2315E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.39E-11	1,000,000	4.39E-05
460	2.47	1.5624E-06	3.8659E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.26E-11	1,000,000	5.26E-05
461	2.93	1.5624E-06	4.5735E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.22E-11	1,000,000	6.22E-05
462	3.37	1.5624E-06	5.2639E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.16E-11	1,000,000	7.16E-05
463	3.71	1.5624E-06	5.7965E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.88E-11	1,000,000	7.88E-05
464	3.86	1.5624E-06	6.0336E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.21E-11	1,000,000	8.21E-05
465	3.79	1.5624E-06	5.9182E-06	3.46E-04	2.05E-09	0.25	1.57E-01	8.05E-11	1,000,000	8.05E-05
466	3.51	1.5624E-06	5.4879E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.46E-11	1,000,000	7.46E-05
467	3.11	1.5624E-06	4.8647E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.62E-11	1,000,000	6.62E-05
468	2.68	1.5624E-06	4.1825E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.69E-11	1,000,000	5.69E-05
469	2.27	1.5624E-06	3.5461E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.82E-11	1,000,000	4.82E-05
470	1.92	1.5624E-06	3.0005E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.08E-11	1,000,000	4.08E-05
471	0.80	1.5624E-06	1.2475E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
472	0.95	1.5624E-06	1.4867E-06	3.46E-04	5.15E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
473	1.13	1.5624E-06	1.7729E-06	3.46E-04	6.14E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
474	1.35	1.5624E-06	2.1081E-06	3.46E-04	7.30E-10	0.25	1.57E-01	2.87E-11	1,000,000	2.87E-05
475	1.62	1.5624E-06	2.5343E-06	3.46E-04	8.77E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
476	5.01	1.5624E-06	7.8324E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
477	4.19	1.5624E-06	6.5422E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.90E-11	1,000,000	8.90E-05
478	3.44	1.5624E-06	5.3718E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.31E-11	1,000,000	7.31E-05
479	2.78	1.5624E-06	4.3512E-06	3.46E-04	1.51E-09	0.25	1.57E-01	5.92E-11	1,000,000	5.92E-05
480	2.27	1.5624E-06	3.539E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
481	0.78	1.5624E-06	1.2211E-06	3.46E-04	4.23E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	0.95	1.5624E-06	1.48E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
483	1.13	1.5624E-06	1.7587E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
484	1.38	1.5624E-06	2.1487E-06	3.46E-04	7.44E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
485	1.76	1.5624E-06	2.7444E-06	3.46E-04	9.50E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
486	7.82	1.5624E-06	1.2215E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
487	6.00	1.5624E-06	9.3734E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
488	4.48	1.5624E-06	7.0047E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.53E-11	1,000,000	9.53E-05
489	3.43	1.5624E-06	5.3567E-06	3.46E-04	1.85E-09	0.25	1.57E-01	7.28E-11	1,000,000	7.28E-05
490	2.68	1.5624E-06	4.1824E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.69E-11	1,000,000	5.69E-05
491	0.74	1.5624E-06	1.1608E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
492	0.90	1.5624E-06	1.4044E-06	3.46E-04	4.86E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
493	1.07	1.5624E-06	1.6788E-06	3.46E-04	5.81E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
494	1.34	1.5624E-06	2.0925E-06	3.46E-04	7.24E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
495	1.75	1.5624E-06	2.7297E-06	3.46E-04	9.45E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05
496	4.98	1.5624E-06	7.7777E-06	3.46E-04	2.69E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
497	8.49	1.5624E-06	1.3257E-05	3.46E-04	4.59E-09	0.25	1.57E-01	1.80E-10	1,000,000	1.80E-04
498	20.32	1.5624E-06	3.1745E-05	3.46E-04	1.10E-08	0.25	1.57E-01	4.32E-10	1,000,000	4.32E-04
499	14.97	1.5624E-06	2.339E-05	3.46E-04	8.10E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
500	9.13	1.5624E-06	1.4272E-05	3.46E-04	4.94E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
501	6.00	1.5624E-06	9.372E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
502	4.23	1.5624E-06	6.6034E-06	3.46E-04	2.29E-09	0.25	1.57E-01	8.98E-11	1,000,000	8.98E-05
503	3.15	1.5624E-06	4.9154E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
504	0.68	1.5624E-06	1.0676E-06	3.46E-04	3.70E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
505	0.80	1.5624E-06	1.2558E-06	3.46E-04	4.35E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
506	1.02	1.5624E-06	1.5976E-06	3.46E-04	5.53E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
507	1.25	1.5624E-06	1.955E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
508	1.68	1.5624E-06	2.6317E-06	3.46E-04	9.11E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
509	2.26	1.5624E-06	3.5375E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
510	3.32	1.5624E-06	5.1811E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.05E-11	1,000,000	7.05E-05
511	5.49	1.5624E-06	8.5701E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
512	12.56	1.5624E-06	1.963E-05	3.46E-04	6.80E-09	0.25	1.57E-01	2.67E-10	1,000,000	2.67E-04
513	35.80	1.5624E-06	5.594E-05	3.46E-04	1.94E-08	0.25	1.57E-01	7.61E-10	1,000,000	7.61E-04
514	59.06	1.5624E-06	9.2271E-05	3.46E-04	3.19E-08	0.25	1.57E-01	1.25E-09	1,000,000	1.25E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	63.06	1.5624E-06	9.8532E-05	3.46E-04	3.41E-08	0.25	1.57E-01	1.34E-09	1,000,000	1.34E-03
516	64.00	1.5624E-06	9.9992E-05	3.46E-04	3.46E-08	0.25	1.57E-01	1.36E-09	1,000,000	1.36E-03
517	42.81	1.5624E-06	6.6893E-05	3.46E-04	2.32E-08	0.25	1.57E-01	9.10E-10	1,000,000	9.10E-04
518	14.28	1.5624E-06	2.2304E-05	3.46E-04	7.72E-09	0.25	1.57E-01	3.03E-10	1,000,000	3.03E-04
519	7.88	1.5624E-06	1.2315E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
520	5.13	1.5624E-06	8.0097E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
521	3.64	1.5624E-06	5.6901E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.74E-11	1,000,000	7.74E-05
522	0.62	1.5624E-06	9.6124E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
523	0.75	1.5624E-06	1.1658E-06	3.46E-04	4.04E-10	0.25	1.57E-01	1.59E-11	1,000,000	1.59E-05
524	0.92	1.5624E-06	1.4351E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
525	1.15	1.5624E-06	1.7946E-06	3.46E-04	6.21E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
526	1.43	1.5624E-06	2.2386E-06	3.46E-04	7.75E-10	0.25	1.57E-01	3.04E-11	1,000,000	3.04E-05
527	2.09	1.5624E-06	3.268E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
528	3.01	1.5624E-06	4.6971E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
529	4.81	1.5624E-06	7.5148E-06	3.46E-04	2.60E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
530	9.29	1.5624E-06	1.4511E-05	3.46E-04	5.02E-09	0.25	1.57E-01	1.97E-10	1,000,000	1.97E-04
531	18.61	1.5624E-06	2.9081E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.95E-10	1,000,000	3.95E-04
532	26.14	1.5624E-06	4.0837E-05	3.46E-04	1.41E-08	0.25	1.57E-01	5.55E-10	1,000,000	5.55E-04
533	31.89	1.5624E-06	4.982E-05	3.46E-04	1.72E-08	0.25	1.57E-01	6.78E-10	1,000,000	6.78E-04
534	52.83	1.5624E-06	8.2536E-05	3.46E-04	2.86E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
535	58.09	1.5624E-06	9.0763E-05	3.46E-04	3.14E-08	0.25	1.57E-01	1.23E-09	1,000,000	1.23E-03
536	17.93	1.5624E-06	2.8018E-05	3.46E-04	9.70E-09	0.25	1.57E-01	3.81E-10	1,000,000	3.81E-04
537	9.32	1.5624E-06	1.4556E-05	3.46E-04	5.04E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
538	5.83	1.5624E-06	9.115E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
539	4.03	1.5624E-06	6.3021E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.57E-11	1,000,000	8.57E-05
540	0.55	1.5624E-06	8.621E-07	3.46E-04	2.98E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
541	0.67	1.5624E-06	1.0399E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
542	0.81	1.5624E-06	1.2696E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
543	1.01	1.5624E-06	1.5848E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
544	1.34	1.5624E-06	2.1005E-06	3.46E-04	7.27E-10	0.25	1.57E-01	2.86E-11	1,000,000	2.86E-05
545	1.78	1.5624E-06	2.7759E-06	3.46E-04	9.61E-10	0.25	1.57E-01	3.78E-11	1,000,000	3.78E-05
546	2.55	1.5624E-06	3.9836E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
547	3.75	1.5624E-06	5.8644E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.98E-11	1,000,000	7.98E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	5.94	1.5624E-06	9.286E-06	3.46E-04	3.21E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
549	9.15	1.5624E-06	1.4304E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.95E-10	1,000,000	1.95E-04
550	13.21	1.5624E-06	2.0636E-05	3.46E-04	7.14E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
551	19.06	1.5624E-06	2.9773E-05	3.46E-04	1.03E-08	0.25	1.57E-01	4.05E-10	1,000,000	4.05E-04
552	44.03	1.5624E-06	6.8788E-05	3.46E-04	2.38E-08	0.25	1.57E-01	9.35E-10	1,000,000	9.35E-04
553	56.25	1.5624E-06	8.7879E-05	3.46E-04	3.04E-08	0.25	1.57E-01	1.20E-09	1,000,000	1.20E-03
554	18.00	1.5624E-06	2.8127E-05	3.46E-04	9.74E-09	0.25	1.57E-01	3.83E-10	1,000,000	3.83E-04
555	9.52	1.5624E-06	1.4875E-05	3.46E-04	5.15E-09	0.25	1.57E-01	2.02E-10	1,000,000	2.02E-04
556	6.02	1.5624E-06	9.4092E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
557	4.18	1.5624E-06	6.5348E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.89E-11	1,000,000	8.89E-05
558	0.50	1.5624E-06	7.7522E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
559	0.60	1.5624E-06	9.3063E-07	3.46E-04	3.22E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
560	0.70	1.5624E-06	1.0997E-06	3.46E-04	3.81E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
561	0.88	1.5624E-06	1.3752E-06	3.46E-04	4.76E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
562	1.10	1.5624E-06	1.7153E-06	3.46E-04	5.94E-10	0.25	1.57E-01	2.33E-11	1,000,000	2.33E-05
563	1.44	1.5624E-06	2.255E-06	3.46E-04	7.81E-10	0.25	1.57E-01	3.07E-11	1,000,000	3.07E-05
564	2.05	1.5624E-06	3.2004E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.35E-11	1,000,000	4.35E-05
565	2.87	1.5624E-06	4.4844E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.10E-11	1,000,000	6.10E-05
566	4.26	1.5624E-06	6.6488E-06	3.46E-04	2.30E-09	0.25	1.57E-01	9.04E-11	1,000,000	9.04E-05
567	6.11	1.5624E-06	9.5419E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
568	9.02	1.5624E-06	1.4091E-05	3.46E-04	4.88E-09	0.25	1.57E-01	1.92E-10	1,000,000	1.92E-04
569	13.88	1.5624E-06	2.1693E-05	3.46E-04	7.51E-09	0.25	1.57E-01	2.95E-10	1,000,000	2.95E-04
570	37.13	1.5624E-06	5.8013E-05	3.46E-04	2.01E-08	0.25	1.57E-01	7.89E-10	1,000,000	7.89E-04
571	54.66	1.5624E-06	8.5399E-05	3.46E-04	2.96E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
572	16.23	1.5624E-06	2.5353E-05	3.46E-04	8.78E-09	0.25	1.57E-01	3.45E-10	1,000,000	3.45E-04
573	8.79	1.5624E-06	1.374E-05	3.46E-04	4.76E-09	0.25	1.57E-01	1.87E-10	1,000,000	1.87E-04
574	5.70	1.5624E-06	8.9041E-06	3.46E-04	3.08E-09	0.25	1.57E-01	1.21E-10	1,000,000	1.21E-04
575	4.04	1.5624E-06	6.3097E-06	3.46E-04	2.18E-09	0.25	1.57E-01	8.58E-11	1,000,000	8.58E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.5624E-06	7.3305E-07	1.05E-03	7.66E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.4E-04
2	1.5624E-06	7.8779E-07	1.05E-03	8.23E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04
3	1.5624E-06	8.469E-07	1.05E-03	8.85E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
4	1.5624E-06	9.0991E-07	1.05E-03	9.51E-10	2.00	1.57E-01	2.99E-10	1,000,000	2.99E-04
5	1.5624E-06	9.7686E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
6	1.5624E-06	1.0468E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
7	1.5624E-06	1.1174E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
8	1.5624E-06	1.1873E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
9	1.5624E-06	1.2546E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
10	1.5624E-06	1.3152E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.32E-10	1,000,000	4.32E-04
11	1.5624E-06	1.3656E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.49E-10	1,000,000	4.49E-04
12	1.5624E-06	1.4034E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.61E-10	1,000,000	4.61E-04
13	1.5624E-06	1.4257E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
14	1.5624E-06	1.4308E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
15	1.5624E-06	1.4185E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
16	1.5624E-06	1.3885E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
17	1.5624E-06	1.3462E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.42E-10	1,000,000	4.42E-04
18	1.5624E-06	1.2919E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.24E-10	1,000,000	4.24E-04
19	1.5624E-06	1.2278E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
20	1.5624E-06	1.1612E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
21	1.5624E-06	1.0918E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.59E-10	1,000,000	3.59E-04
22	1.5624E-06	1.0211E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
23	1.5624E-06	7.8173E-07	1.05E-03	8.17E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
24	1.5624E-06	8.4549E-07	1.05E-03	8.84E-10	2.00	1.57E-01	2.78E-10	1,000,000	2.78E-04
25	1.5624E-06	9.1529E-07	1.05E-03	9.57E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
26	1.5624E-06	9.9117E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.26E-10	1,000,000	3.26E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.5624E-06	1.0727E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.52E-10	1,000,000	3.52E-04
28	1.5624E-06	1.16E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
29	1.5624E-06	1.2494E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
30	1.5624E-06	1.3408E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
31	1.5624E-06	1.4287E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
32	1.5624E-06	1.5095E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
33	1.5624E-06	1.5773E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.18E-10	1,000,000	5.18E-04
34	1.5624E-06	1.6302E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.36E-10	1,000,000	5.36E-04
35	1.5624E-06	1.6623E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.46E-10	1,000,000	5.46E-04
36	1.5624E-06	1.671E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
37	1.5624E-06	1.6498E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.42E-10	1,000,000	5.42E-04
38	1.5624E-06	1.6089E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.29E-10	1,000,000	5.29E-04
39	1.5624E-06	1.5522E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.10E-10	1,000,000	5.10E-04
40	1.5624E-06	1.4786E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
41	1.5624E-06	1.3934E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.58E-10	1,000,000	4.58E-04
42	1.5624E-06	1.3031E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.28E-10	1,000,000	4.28E-04
43	1.5624E-06	1.2117E-06	1.05E-03	1.27E-09	2.00	1.57E-01	3.98E-10	1,000,000	3.98E-04
44	1.5624E-06	1.129E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.71E-10	1,000,000	3.71E-04
45	1.5624E-06	8.3271E-07	1.05E-03	8.70E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
46	1.5624E-06	9.0677E-07	1.05E-03	9.48E-10	2.00	1.57E-01	2.98E-10	1,000,000	2.98E-04
47	1.5624E-06	9.8925E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
48	1.5624E-06	1.0806E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
49	1.5624E-06	1.1807E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
50	1.5624E-06	1.2892E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.23E-10	1,000,000	4.23E-04
51	1.5624E-06	1.4045E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.61E-10	1,000,000	4.61E-04
52	1.5624E-06	1.5235E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.5624E-06	1.6424E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
54	1.5624E-06	1.7524E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
55	1.5624E-06	1.848E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.07E-10	1,000,000	6.07E-04
56	1.5624E-06	1.9219E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.31E-10	1,000,000	6.31E-04
57	1.5624E-06	1.9665E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.46E-10	1,000,000	6.46E-04
58	1.5624E-06	1.9815E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.51E-10	1,000,000	6.51E-04
59	1.5624E-06	1.951E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.41E-10	1,000,000	6.41E-04
60	1.5624E-06	1.8918E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.21E-10	1,000,000	6.21E-04
61	1.5624E-06	1.8113E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.95E-10	1,000,000	5.95E-04
62	1.5624E-06	1.7077E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.61E-10	1,000,000	5.61E-04
63	1.5624E-06	1.593E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
64	1.5624E-06	1.4754E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.85E-10	1,000,000	4.85E-04
65	1.5624E-06	1.3609E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
66	1.5624E-06	1.2519E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.11E-10	1,000,000	4.11E-04
67	1.5624E-06	8.853E-07	1.05E-03	9.25E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
68	1.5624E-06	9.7094E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.19E-10	1,000,000	3.19E-04
69	1.5624E-06	1.0681E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.51E-10	1,000,000	3.51E-04
70	1.5624E-06	1.1776E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
71	1.5624E-06	1.3007E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
72	1.5624E-06	1.4373E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
73	1.5624E-06	1.5867E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
74	1.5624E-06	1.7443E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
75	1.5624E-06	1.9058E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.26E-10	1,000,000	6.26E-04
76	1.5624E-06	2.0624E-06	1.05E-03	2.16E-09	2.00	1.57E-01	6.77E-10	1,000,000	6.77E-04
77	1.5624E-06	2.2023E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.23E-10	1,000,000	7.23E-04
78	1.5624E-06	2.3138E-06	1.05E-03	2.42E-09	2.00	1.57E-01	7.60E-10	1,000,000	7.60E-04
79	1.5624E-06	2.3776E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.81E-10	1,000,000	7.81E-04
80	1.5624E-06	2.3916E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.86E-10	1,000,000	7.86E-04
81	1.5624E-06	2.3519E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.73E-10	1,000,000	7.73E-04
82	1.5624E-06	2.2699E-06	1.05E-03	2.37E-09	2.00	1.57E-01	7.46E-10	1,000,000	7.46E-04
83	1.5624E-06	2.1443E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
84	1.5624E-06	1.9982E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.56E-10	1,000,000	6.56E-04
85	1.5624E-06	1.8305E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.01E-10	1,000,000	6.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.5624E-06	1.68E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.52E-10	1,000,000	5.52E-04
87	1.5624E-06	1.5293E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.02E-10	1,000,000	5.02E-04
88	1.5624E-06	1.3915E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
89	1.5624E-06	9.3841E-07	1.05E-03	9.81E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
90	1.5624E-06	1.0368E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
91	1.5624E-06	1.1505E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04
92	1.5624E-06	1.2817E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
93	1.5624E-06	1.4327E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
94	1.5624E-06	1.6045E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.27E-10	1,000,000	5.27E-04
95	1.5624E-06	1.7985E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
96	1.5624E-06	2.012E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
97	1.5624E-06	2.2392E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.36E-10	1,000,000	7.36E-04
98	1.5624E-06	2.466E-06	1.05E-03	2.58E-09	2.00	1.57E-01	8.10E-10	1,000,000	8.10E-04
99	1.5624E-06	2.673E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.78E-10	1,000,000	8.78E-04
100	1.5624E-06	2.84E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.33E-10	1,000,000	9.33E-04
101	1.5624E-06	2.9409E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.66E-10	1,000,000	9.66E-04
102	1.5624E-06	2.9616E-06	1.05E-03	3.10E-09	2.00	1.57E-01	9.73E-10	1,000,000	9.73E-04
103	1.5624E-06	2.9026E-06	1.05E-03	3.03E-09	2.00	1.57E-01	9.53E-10	1,000,000	9.53E-04
104	1.5624E-06	2.7664E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.09E-10	1,000,000	9.09E-04
105	1.5624E-06	2.583E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.48E-10	1,000,000	8.48E-04
106	1.5624E-06	2.3666E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.77E-10	1,000,000	7.77E-04
107	1.5624E-06	2.1402E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.03E-10	1,000,000	7.03E-04
108	1.5624E-06	1.9244E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.32E-10	1,000,000	6.32E-04
109	1.5624E-06	1.7248E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.67E-10	1,000,000	5.67E-04
110	1.5624E-06	1.5498E-06	1.05E-03	1.62E-09	2.00	1.57E-01	5.09E-10	1,000,000	5.09E-04
111	1.5624E-06	9.9053E-07	1.05E-03	1.04E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
112	1.5624E-06	1.1028E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
113	1.5624E-06	1.2348E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
114	1.5624E-06	1.3905E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
115	1.5624E-06	1.5745E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
116	1.5624E-06	1.7908E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.88E-10	1,000,000	5.88E-04
117	1.5624E-06	2.0449E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.72E-10	1,000,000	6.72E-04
118	1.5624E-06	2.3382E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.5624E-06	2.6636E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.75E-10	1,000,000	8.75E-04
120	1.5624E-06	3.0053E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.87E-10	1,000,000	9.87E-04
121	1.5624E-06	3.3327E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
122	1.5624E-06	3.5969E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
123	1.5624E-06	3.7616E-06	1.05E-03	3.93E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
124	1.5624E-06	3.7946E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
125	1.5624E-06	3.6915E-06	1.05E-03	3.86E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
126	1.5624E-06	3.4649E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
127	1.5624E-06	3.1711E-06	1.05E-03	3.31E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
128	1.5624E-06	2.845E-06	1.05E-03	2.97E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
129	1.5624E-06	2.5162E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
130	1.5624E-06	2.22E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.29E-10	1,000,000	7.29E-04
131	1.5624E-06	1.954E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
132	1.5624E-06	1.7279E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.68E-10	1,000,000	5.68E-04
133	1.5624E-06	1.0358E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.40E-10	1,000,000	3.40E-04
134	1.5624E-06	1.1663E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
135	1.5624E-06	1.3175E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
136	1.5624E-06	1.5004E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.93E-10	1,000,000	4.93E-04
137	1.5624E-06	1.7224E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.66E-10	1,000,000	5.66E-04
138	1.5624E-06	1.9942E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.55E-10	1,000,000	6.55E-04
139	1.5624E-06	2.3265E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.64E-10	1,000,000	7.64E-04
140	1.5624E-06	2.7318E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.97E-10	1,000,000	8.97E-04
141	1.5624E-06	3.2069E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
142	1.5624E-06	3.7434E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
143	1.5624E-06	4.2843E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
144	1.5624E-06	4.743E-06	1.05E-03	4.96E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
145	1.5624E-06	5.0314E-06	1.05E-03	5.26E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03
146	1.5624E-06	5.0808E-06	1.05E-03	5.31E-09	2.00	1.57E-01	1.67E-09	1,000,000	1.67E-03
147	1.5624E-06	4.8885E-06	1.05E-03	5.11E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
148	1.5624E-06	4.488E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
149	1.5624E-06	3.9954E-06	1.05E-03	4.18E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
150	1.5624E-06	3.467E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
151	1.5624E-06	2.9813E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.5624E-06	2.5685E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.44E-10	1,000,000	8.44E-04
153	1.5624E-06	2.2166E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
154	1.5624E-06	1.9251E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.32E-10	1,000,000	6.32E-04
155	1.5624E-06	1.0012E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.29E-10	1,000,000	3.29E-04
156	1.5624E-06	1.1547E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.79E-10	1,000,000	3.79E-04
157	1.5624E-06	1.3734E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
158	1.5624E-06	1.587E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
159	1.5624E-06	1.87E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.14E-10	1,000,000	6.14E-04
160	1.5624E-06	2.2052E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.24E-10	1,000,000	7.24E-04
161	1.5624E-06	2.6366E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
162	1.5624E-06	3.1943E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
163	1.5624E-06	3.9085E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
164	1.5624E-06	4.7829E-06	1.05E-03	5.00E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
165	1.5624E-06	5.7458E-06	1.05E-03	6.01E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
166	1.5624E-06	6.6209E-06	1.05E-03	6.92E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
167	1.5624E-06	7.178E-06	1.05E-03	7.50E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
168	1.5624E-06	7.2666E-06	1.05E-03	7.60E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
169	1.5624E-06	6.8687E-06	1.05E-03	7.18E-09	2.00	1.57E-01	2.26E-09	1,000,000	2.26E-03
170	1.5624E-06	6.0768E-06	1.05E-03	6.35E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
171	1.5624E-06	5.1462E-06	1.05E-03	5.38E-09	2.00	1.57E-01	1.69E-09	1,000,000	1.69E-03
172	1.5624E-06	4.3033E-06	1.05E-03	4.50E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
173	1.5624E-06	3.5693E-06	1.05E-03	3.73E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
174	1.5624E-06	2.9815E-06	1.05E-03	3.12E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04
175	1.5624E-06	2.5187E-06	1.05E-03	2.63E-09	2.00	1.57E-01	8.27E-10	1,000,000	8.27E-04
176	1.5624E-06	2.1471E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.05E-10	1,000,000	7.05E-04
177	1.5624E-06	9.8599E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
178	1.5624E-06	1.1581E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
179	1.5624E-06	1.3914E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.57E-10	1,000,000	4.57E-04
180	1.5624E-06	1.6716E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
181	1.5624E-06	1.9937E-06	1.05E-03	2.08E-09	2.00	1.57E-01	6.55E-10	1,000,000	6.55E-04
182	1.5624E-06	2.4038E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.90E-10	1,000,000	7.90E-04
183	1.5624E-06	2.9523E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
184	1.5624E-06	1.0507E-05	1.05E-03	1.10E-08	2.00	1.57E-01	3.45E-09	1,000,000	3.45E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.5624E-06	8.6801E-06	1.05E-03	9.07E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
186	1.5624E-06	6.9227E-06	1.05E-03	7.24E-09	2.00	1.57E-01	2.27E-09	1,000,000	2.27E-03
187	1.5624E-06	5.4196E-06	1.05E-03	5.66E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
188	1.5624E-06	4.2884E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
189	1.5624E-06	3.4651E-06	1.05E-03	3.62E-09	2.00	1.57E-01	1.14E-09	1,000,000	1.14E-03
190	1.5624E-06	2.8503E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.36E-10	1,000,000	9.36E-04
191	1.5624E-06	2.3819E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
192	1.5624E-06	9.4463E-07	1.05E-03	9.87E-10	2.00	1.57E-01	3.10E-10	1,000,000	3.10E-04
193	1.5624E-06	1.1054E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
194	1.5624E-06	1.3293E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.37E-10	1,000,000	4.37E-04
195	1.5624E-06	1.6098E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.29E-10	1,000,000	5.29E-04
196	1.5624E-06	1.9956E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.56E-10	1,000,000	6.56E-04
197	1.5624E-06	2.455E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
198	1.5624E-06	3.1816E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
199	1.5624E-06	8.5402E-06	1.05E-03	8.93E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
200	1.5624E-06	1.8898E-05	1.05E-03	1.98E-08	2.00	1.57E-01	6.21E-09	1,000,000	6.21E-03
201	1.5624E-06	1.3754E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.52E-09	1,000,000	4.52E-03
202	1.5624E-06	9.5433E-06	1.05E-03	9.97E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
203	1.5624E-06	6.895E-06	1.05E-03	7.21E-09	2.00	1.57E-01	2.26E-09	1,000,000	2.26E-03
204	1.5624E-06	5.1677E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
205	1.5624E-06	4.016E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
206	1.5624E-06	3.2128E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
207	1.5624E-06	2.6355E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
208	1.5624E-06	8.8115E-07	1.05E-03	9.21E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
209	1.5624E-06	1.04E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
210	1.5624E-06	1.203E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
211	1.5624E-06	1.4909E-06	1.05E-03	1.56E-09	2.00	1.57E-01	4.90E-10	1,000,000	4.90E-04
212	1.5624E-06	1.8303E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.01E-10	1,000,000	6.01E-04
213	1.5624E-06	2.339E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04
214	1.5624E-06	3.1502E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
215	1.5624E-06	4.3549E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
216	1.5624E-06	6.6511E-06	1.05E-03	6.95E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
217	1.5624E-06	1.1376E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.74E-09	1,000,000	3.74E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.5624E-06	6.5498E-05	1.05E-03	6.85E-08	2.00	1.57E-01	2.15E-08	1,000,000	2.15E-02
219	1.5624E-06	5.492E-05	1.05E-03	5.74E-08	2.00	1.57E-01	1.80E-08	1,000,000	1.80E-02
220	1.5624E-06	2.499E-05	1.05E-03	2.61E-08	2.00	1.57E-01	8.21E-09	1,000,000	8.21E-03
221	1.5624E-06	1.3686E-05	1.05E-03	1.43E-08	2.00	1.57E-01	4.50E-09	1,000,000	4.50E-03
222	1.5624E-06	8.7968E-06	1.05E-03	9.19E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
223	1.5624E-06	6.1866E-06	1.05E-03	6.47E-09	2.00	1.57E-01	2.03E-09	1,000,000	2.03E-03
224	1.5624E-06	4.6144E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
225	1.5624E-06	3.5893E-06	1.05E-03	3.75E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
226	1.5624E-06	2.8871E-06	1.05E-03	3.02E-09	2.00	1.57E-01	9.48E-10	1,000,000	9.48E-04
227	1.5624E-06	8.0682E-07	1.05E-03	8.43E-10	2.00	1.57E-01	2.65E-10	1,000,000	2.65E-04
228	1.5624E-06	9.3704E-07	1.05E-03	9.79E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
229	1.5624E-06	1.1021E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
230	1.5624E-06	1.3376E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.39E-10	1,000,000	4.39E-04
231	1.5624E-06	1.6719E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
232	1.5624E-06	2.0936E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
233	1.5624E-06	2.9092E-06	1.05E-03	3.04E-09	2.00	1.57E-01	9.56E-10	1,000,000	9.56E-04
234	1.5624E-06	4.0764E-06	1.05E-03	4.26E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
235	1.5624E-06	6.3257E-06	1.05E-03	6.61E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
236	1.5624E-06	1.165E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
237	1.5624E-06	3.4802E-05	1.05E-03	3.64E-08	2.00	1.57E-01	1.14E-08	1,000,000	1.14E-02
238	1.5624E-06	7.9579E-05	1.05E-03	8.32E-08	2.00	1.57E-01	2.61E-08	1,000,000	2.61E-02
239	1.5624E-06	8.9507E-05	1.05E-03	9.36E-08	2.00	1.57E-01	2.94E-08	1,000,000	2.94E-02
240	1.5624E-06	9.7588E-05	1.05E-03	1.02E-07	2.00	1.57E-01	3.21E-08	1,000,000	3.21E-02
241	1.5624E-06	0.00010719	1.05E-03	1.12E-07	2.00	1.57E-01	3.52E-08	1,000,000	3.52E-02
242	1.5624E-06	4.2148E-05	1.05E-03	4.41E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
243	1.5624E-06	1.8239E-05	1.05E-03	1.91E-08	2.00	1.57E-01	5.99E-09	1,000,000	5.99E-03
244	1.5624E-06	1.0691E-05	1.05E-03	1.12E-08	2.00	1.57E-01	3.51E-09	1,000,000	3.51E-03
245	1.5624E-06	7.1553E-06	1.05E-03	7.48E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
246	1.5624E-06	5.1724E-06	1.05E-03	5.41E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
247	1.5624E-06	3.9393E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
248	1.5624E-06	3.1196E-06	1.05E-03	3.26E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
249	1.5624E-06	7.3938E-07	1.05E-03	7.73E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
250	1.5624E-06	8.4968E-07	1.05E-03	8.88E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.5624E-06	9.8927E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.25E-10	1,000,000	3.25E-04
252	1.5624E-06	1.2049E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.96E-10	1,000,000	3.96E-04
253	1.5624E-06	1.4803E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
254	1.5624E-06	1.9529E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
255	1.5624E-06	2.5727E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
256	1.5624E-06	3.7283E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
257	1.5624E-06	5.3741E-06	1.05E-03	5.62E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
258	1.5624E-06	8.4281E-06	1.05E-03	8.81E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
259	1.5624E-06	1.4961E-05	1.05E-03	1.56E-08	2.00	1.57E-01	4.91E-09	1,000,000	4.91E-03
260	1.5624E-06	2.3286E-05	1.05E-03	2.43E-08	2.00	1.57E-01	7.65E-09	1,000,000	7.65E-03
261	1.5624E-06	3.0992E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
262	1.5624E-06	4.6175E-05	1.05E-03	4.83E-08	2.00	1.57E-01	1.52E-08	1,000,000	1.52E-02
263	1.5624E-06	8.9519E-05	1.05E-03	9.36E-08	2.00	1.57E-01	2.94E-08	1,000,000	2.94E-02
264	1.5624E-06	4.4816E-05	1.05E-03	4.68E-08	2.00	1.57E-01	1.47E-08	1,000,000	1.47E-02
265	1.5624E-06	2.0031E-05	1.05E-03	2.09E-08	2.00	1.57E-01	6.58E-09	1,000,000	6.58E-03
266	1.5624E-06	1.1655E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.83E-09	1,000,000	3.83E-03
267	1.5624E-06	7.7187E-06	1.05E-03	8.07E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
268	1.5624E-06	5.5239E-06	1.05E-03	5.77E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
269	1.5624E-06	4.1715E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
270	1.5624E-06	3.2794E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
271	1.5624E-06	6.583E-07	1.05E-03	6.88E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
272	1.5624E-06	7.5156E-07	1.05E-03	7.86E-10	2.00	1.57E-01	2.47E-10	1,000,000	2.47E-04
273	1.5624E-06	8.8315E-07	1.05E-03	9.23E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
274	1.5624E-06	1.0558E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
275	1.5624E-06	1.2967E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.26E-10	1,000,000	4.26E-04
276	1.5624E-06	1.6718E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.49E-10	1,000,000	5.49E-04
277	1.5624E-06	2.2018E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.23E-10	1,000,000	7.23E-04
278	1.5624E-06	2.9536E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
279	1.5624E-06	4.2549E-06	1.05E-03	4.45E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
280	1.5624E-06	6.2583E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
281	1.5624E-06	9.3913E-06	1.05E-03	9.82E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
282	1.5624E-06	1.4008E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.60E-09	1,000,000	4.60E-03
283	1.5624E-06	2.0306E-05	1.05E-03	2.12E-08	2.00	1.57E-01	6.67E-09	1,000,000	6.67E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.5624E-06	3.5224E-05	1.05E-03	3.68E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
285	1.5624E-06	8.3485E-05	1.05E-03	8.73E-08	2.00	1.57E-01	2.74E-08	1,000,000	2.74E-02
286	1.5624E-06	4.2482E-05	1.05E-03	4.44E-08	2.00	1.57E-01	1.40E-08	1,000,000	1.40E-02
287	1.5624E-06	1.9215E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.31E-09	1,000,000	6.31E-03
288	1.5624E-06	1.1424E-05	1.05E-03	1.19E-08	2.00	1.57E-01	3.75E-09	1,000,000	3.75E-03
289	1.5624E-06	7.6819E-06	1.05E-03	8.03E-09	2.00	1.57E-01	2.52E-09	1,000,000	2.52E-03
290	1.5624E-06	5.5486E-06	1.05E-03	5.80E-09	2.00	1.57E-01	1.82E-09	1,000,000	1.82E-03
291	1.5624E-06	4.2198E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
292	1.5624E-06	3.3285E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
293	1.5624E-06	5.9253E-07	1.05E-03	6.19E-10	2.00	1.57E-01	1.95E-10	1,000,000	1.95E-04
294	1.5624E-06	6.794E-07	1.05E-03	7.10E-10	2.00	1.57E-01	2.23E-10	1,000,000	2.23E-04
295	1.5624E-06	7.8942E-07	1.05E-03	8.25E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04
296	1.5624E-06	9.259E-07	1.05E-03	9.68E-10	2.00	1.57E-01	3.04E-10	1,000,000	3.04E-04
297	1.5624E-06	1.1418E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.75E-10	1,000,000	3.75E-04
298	1.5624E-06	1.4277E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
299	1.5624E-06	1.8423E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.05E-10	1,000,000	6.05E-04
300	1.5624E-06	2.5057E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.23E-10	1,000,000	8.23E-04
301	1.5624E-06	3.2921E-06	1.05E-03	3.44E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
302	1.5624E-06	4.7628E-06	1.05E-03	4.98E-09	2.00	1.57E-01	1.56E-09	1,000,000	1.56E-03
303	1.5624E-06	6.7968E-06	1.05E-03	7.10E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
304	1.5624E-06	9.8557E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
305	1.5624E-06	1.4528E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
306	1.5624E-06	2.7139E-05	1.05E-03	2.84E-08	2.00	1.57E-01	8.91E-09	1,000,000	8.91E-03
307	1.5624E-06	7.3208E-05	1.05E-03	7.65E-08	2.00	1.57E-01	2.40E-08	1,000,000	2.40E-02
308	1.5624E-06	3.5871E-05	1.05E-03	3.75E-08	2.00	1.57E-01	1.18E-08	1,000,000	1.18E-02
309	1.5624E-06	1.6434E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
310	1.5624E-06	1.0165E-05	1.05E-03	1.06E-08	2.00	1.57E-01	3.34E-09	1,000,000	3.34E-03
311	1.5624E-06	7.0669E-06	1.05E-03	7.39E-09	2.00	1.57E-01	2.32E-09	1,000,000	2.32E-03
312	1.5624E-06	5.2406E-06	1.05E-03	5.48E-09	2.00	1.57E-01	1.72E-09	1,000,000	1.72E-03
313	1.5624E-06	4.059E-06	1.05E-03	4.24E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
314	1.5624E-06	3.2447E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
315	1.5624E-06	5.2459E-07	1.05E-03	5.48E-10	2.00	1.57E-01	1.72E-10	1,000,000	1.72E-04
316	1.5624E-06	6.0243E-07	1.05E-03	6.30E-10	2.00	1.57E-01	1.98E-10	1,000,000	1.98E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.5624E-06	6.9657E-07	1.05E-03	7.28E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
318	1.5624E-06	8.1317E-07	1.05E-03	8.50E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
319	1.5624E-06	9.5719E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
320	1.5624E-06	1.2308E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.04E-10	1,000,000	4.04E-04
321	1.5624E-06	1.5257E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.01E-10	1,000,000	5.01E-04
322	1.5624E-06	1.9796E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.50E-10	1,000,000	6.50E-04
323	1.5624E-06	2.6858E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.82E-10	1,000,000	8.82E-04
324	1.5624E-06	3.6331E-06	1.05E-03	3.80E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
325	1.5624E-06	5.0565E-06	1.05E-03	5.29E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
326	1.5624E-06	7.1016E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
327	1.5624E-06	1.0845E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.56E-09	1,000,000	3.56E-03
328	1.5624E-06	1.593E-05	1.05E-03	1.66E-08	2.00	1.57E-01	5.23E-09	1,000,000	5.23E-03
329	1.5624E-06	3.2813E-05	1.05E-03	3.43E-08	2.00	1.57E-01	1.08E-08	1,000,000	1.08E-02
330	1.5624E-06	1.9727E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.48E-09	1,000,000	6.48E-03
331	1.5624E-06	1.1758E-05	1.05E-03	1.23E-08	2.00	1.57E-01	3.86E-09	1,000,000	3.86E-03
332	1.5624E-06	8.1674E-06	1.05E-03	8.54E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
333	1.5624E-06	6.0848E-06	1.05E-03	6.36E-09	2.00	1.57E-01	2.00E-09	1,000,000	2.00E-03
334	1.5624E-06	4.6848E-06	1.05E-03	4.90E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
335	1.5624E-06	3.7277E-06	1.05E-03	3.90E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
336	1.5624E-06	3.0419E-06	1.05E-03	3.18E-09	2.00	1.57E-01	9.99E-10	1,000,000	9.99E-04
337	1.5624E-06	4.7924E-07	1.05E-03	5.01E-10	2.00	1.57E-01	1.57E-10	1,000,000	1.57E-04
338	1.5624E-06	5.4345E-07	1.05E-03	5.68E-10	2.00	1.57E-01	1.79E-10	1,000,000	1.79E-04
339	1.5624E-06	6.1537E-07	1.05E-03	6.43E-10	2.00	1.57E-01	2.02E-10	1,000,000	2.02E-04
340	1.5624E-06	7.246E-07	1.05E-03	7.57E-10	2.00	1.57E-01	2.38E-10	1,000,000	2.38E-04
341	1.5624E-06	8.4429E-07	1.05E-03	8.82E-10	2.00	1.57E-01	2.77E-10	1,000,000	2.77E-04
342	1.5624E-06	1.0565E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
343	1.5624E-06	1.273E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
344	1.5624E-06	1.6179E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
345	1.5624E-06	2.1036E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.91E-10	1,000,000	6.91E-04
346	1.5624E-06	2.8367E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.32E-10	1,000,000	9.32E-04
347	1.5624E-06	3.693E-06	1.05E-03	3.86E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
348	1.5624E-06	4.9968E-06	1.05E-03	5.22E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
349	1.5624E-06	5.9486E-06	1.05E-03	6.22E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.5624E-06	7.9925E-06	1.05E-03	8.35E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
351	1.5624E-06	9.6946E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.18E-09	1,000,000	3.18E-03
352	1.5624E-06	8.8115E-06	1.05E-03	9.21E-09	2.00	1.57E-01	2.89E-09	1,000,000	2.89E-03
353	1.5624E-06	7.4403E-06	1.05E-03	7.78E-09	2.00	1.57E-01	2.44E-09	1,000,000	2.44E-03
354	1.5624E-06	5.9433E-06	1.05E-03	6.21E-09	2.00	1.57E-01	1.95E-09	1,000,000	1.95E-03
355	1.5624E-06	4.8568E-06	1.05E-03	5.08E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
356	1.5624E-06	4.0042E-06	1.05E-03	4.19E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
357	1.5624E-06	3.3269E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
358	1.5624E-06	2.7944E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
359	1.5624E-06	4.2947E-07	1.05E-03	4.49E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
360	1.5624E-06	4.8777E-07	1.05E-03	5.10E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
361	1.5624E-06	5.5351E-07	1.05E-03	5.79E-10	2.00	1.57E-01	1.82E-10	1,000,000	1.82E-04
362	1.5624E-06	6.3455E-07	1.05E-03	6.63E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
363	1.5624E-06	7.2888E-07	1.05E-03	7.62E-10	2.00	1.57E-01	2.39E-10	1,000,000	2.39E-04
364	1.5624E-06	8.776E-07	1.05E-03	9.17E-10	2.00	1.57E-01	2.88E-10	1,000,000	2.88E-04
365	1.5624E-06	1.0683E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.51E-10	1,000,000	3.51E-04
366	1.5624E-06	1.3312E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.37E-10	1,000,000	4.37E-04
367	1.5624E-06	1.7227E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.66E-10	1,000,000	5.66E-04
368	1.5624E-06	2.1742E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.14E-10	1,000,000	7.14E-04
369	1.5624E-06	2.6693E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.77E-10	1,000,000	8.77E-04
370	1.5624E-06	3.194E-06	1.05E-03	3.34E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
371	1.5624E-06	3.9385E-06	1.05E-03	4.12E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
372	1.5624E-06	4.6458E-06	1.05E-03	4.86E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
373	1.5624E-06	4.9495E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
374	1.5624E-06	4.7764E-06	1.05E-03	4.99E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
375	1.5624E-06	4.6565E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
376	1.5624E-06	4.1424E-06	1.05E-03	4.33E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
377	1.5624E-06	3.6848E-06	1.05E-03	3.85E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
378	1.5624E-06	3.2794E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
379	1.5624E-06	2.8465E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
380	1.5624E-06	2.4814E-06	1.05E-03	2.59E-09	2.00	1.57E-01	8.15E-10	1,000,000	8.15E-04
381	1.5624E-06	9.8225E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
382	1.5624E-06	1.0769E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.54E-10	1,000,000	3.54E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.5624E-06	1.1824E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
384	1.5624E-06	1.2989E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
385	1.5624E-06	1.4258E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
386	1.5624E-06	1.5601E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
387	1.5624E-06	1.6973E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.58E-10	1,000,000	5.58E-04
388	1.5624E-06	1.8329E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
389	1.5624E-06	1.9576E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.43E-10	1,000,000	6.43E-04
390	1.5624E-06	2.0614E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.77E-10	1,000,000	6.77E-04
391	1.5624E-06	2.1337E-06	1.05E-03	2.23E-09	2.00	1.57E-01	7.01E-10	1,000,000	7.01E-04
392	1.5624E-06	2.1673E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.12E-10	1,000,000	7.12E-04
393	1.5624E-06	2.1574E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.09E-10	1,000,000	7.09E-04
394	1.5624E-06	2.1083E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.93E-10	1,000,000	6.93E-04
395	1.5624E-06	2.0185E-06	1.05E-03	2.11E-09	2.00	1.57E-01	6.63E-10	1,000,000	6.63E-04
396	1.5624E-06	1.904E-06	1.05E-03	1.99E-09	2.00	1.57E-01	6.25E-10	1,000,000	6.25E-04
397	1.5624E-06	1.7746E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.83E-10	1,000,000	5.83E-04
398	1.5624E-06	1.6379E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
399	1.5624E-06	1.0546E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
400	1.5624E-06	1.167E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
401	1.5624E-06	1.2952E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
402	1.5624E-06	1.4399E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.73E-10	1,000,000	4.73E-04
403	1.5624E-06	1.6013E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
404	1.5624E-06	1.7772E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.84E-10	1,000,000	5.84E-04
405	1.5624E-06	1.9646E-06	1.05E-03	2.05E-09	2.00	1.57E-01	6.45E-10	1,000,000	6.45E-04
406	1.5624E-06	2.1555E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.08E-10	1,000,000	7.08E-04
407	1.5624E-06	2.3364E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.67E-10	1,000,000	7.67E-04
408	1.5624E-06	2.493E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.19E-10	1,000,000	8.19E-04
409	1.5624E-06	2.6028E-06	1.05E-03	2.72E-09	2.00	1.57E-01	8.55E-10	1,000,000	8.55E-04
410	1.5624E-06	2.65E-06	1.05E-03	2.77E-09	2.00	1.57E-01	8.71E-10	1,000,000	8.71E-04
411	1.5624E-06	2.6356E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
412	1.5624E-06	2.5604E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.41E-10	1,000,000	8.41E-04
413	1.5624E-06	2.4266E-06	1.05E-03	2.54E-09	2.00	1.57E-01	7.97E-10	1,000,000	7.97E-04
414	1.5624E-06	2.2591E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.42E-10	1,000,000	7.42E-04
415	1.5624E-06	2.0727E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.81E-10	1,000,000	6.81E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.5624E-06	1.8782E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
417	1.5624E-06	1.129E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.71E-10	1,000,000	3.71E-04
418	1.5624E-06	1.2614E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
419	1.5624E-06	1.4159E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.65E-10	1,000,000	4.65E-04
420	1.5624E-06	1.5953E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.24E-10	1,000,000	5.24E-04
421	1.5624E-06	1.8024E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.92E-10	1,000,000	5.92E-04
422	1.5624E-06	2.0389E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.70E-10	1,000,000	6.70E-04
423	1.5624E-06	2.3008E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
424	1.5624E-06	2.5772E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.47E-10	1,000,000	8.47E-04
425	1.5624E-06	2.8466E-06	1.05E-03	2.98E-09	2.00	1.57E-01	9.35E-10	1,000,000	9.35E-04
426	1.5624E-06	3.0874E-06	1.05E-03	3.23E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
427	1.5624E-06	3.2573E-06	1.05E-03	3.40E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
428	1.5624E-06	3.3379E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
429	1.5624E-06	3.3117E-06	1.05E-03	3.46E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
430	1.5624E-06	3.181E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
431	1.5624E-06	2.9729E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.77E-10	1,000,000	9.77E-04
432	1.5624E-06	2.7189E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.93E-10	1,000,000	8.93E-04
433	1.5624E-06	2.457E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.07E-10	1,000,000	8.07E-04
434	1.5624E-06	2.1874E-06	1.05E-03	2.29E-09	2.00	1.57E-01	7.19E-10	1,000,000	7.19E-04
435	1.5624E-06	1.2027E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
436	1.5624E-06	1.3572E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.46E-10	1,000,000	4.46E-04
437	1.5624E-06	1.5421E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
438	1.5624E-06	1.7635E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
439	1.5624E-06	2.0298E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
440	1.5624E-06	2.3468E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.71E-10	1,000,000	7.71E-04
441	1.5624E-06	2.7162E-06	1.05E-03	2.84E-09	2.00	1.57E-01	8.92E-10	1,000,000	8.92E-04
442	1.5624E-06	3.1291E-06	1.05E-03	3.27E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
443	1.5624E-06	3.5573E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
444	1.5624E-06	3.9477E-06	1.05E-03	4.13E-09	2.00	1.57E-01	1.30E-09	1,000,000	1.30E-03
445	1.5624E-06	4.2361E-06	1.05E-03	4.43E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
446	1.5624E-06	4.3698E-06	1.05E-03	4.57E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
447	1.5624E-06	4.3186E-06	1.05E-03	4.51E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
448	1.5624E-06	4.0843E-06	1.05E-03	4.27E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.5624E-06	3.7417E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
450	1.5624E-06	3.3448E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
451	1.5624E-06	2.9239E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.60E-10	1,000,000	9.60E-04
452	1.5624E-06	2.5532E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.39E-10	1,000,000	8.39E-04
453	1.5624E-06	1.2583E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
454	1.5624E-06	1.4451E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
455	1.5624E-06	1.6692E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04
456	1.5624E-06	1.94E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.37E-10	1,000,000	6.37E-04
457	1.5624E-06	2.2786E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.49E-10	1,000,000	7.49E-04
458	1.5624E-06	2.7039E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.88E-10	1,000,000	8.88E-04
459	1.5624E-06	3.2315E-06	1.05E-03	3.38E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
460	1.5624E-06	3.8659E-06	1.05E-03	4.04E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
461	1.5624E-06	4.5735E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
462	1.5624E-06	5.2639E-06	1.05E-03	5.50E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
463	1.5624E-06	5.7965E-06	1.05E-03	6.06E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
464	1.5624E-06	6.0336E-06	1.05E-03	6.31E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
465	1.5624E-06	5.9182E-06	1.05E-03	6.19E-09	2.00	1.57E-01	1.94E-09	1,000,000	1.94E-03
466	1.5624E-06	5.4879E-06	1.05E-03	5.74E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
467	1.5624E-06	4.8647E-06	1.05E-03	5.08E-09	2.00	1.57E-01	1.60E-09	1,000,000	1.60E-03
468	1.5624E-06	4.1825E-06	1.05E-03	4.37E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
469	1.5624E-06	3.5461E-06	1.05E-03	3.71E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
470	1.5624E-06	3.0005E-06	1.05E-03	3.14E-09	2.00	1.57E-01	9.86E-10	1,000,000	9.86E-04
471	1.5624E-06	1.2475E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
472	1.5624E-06	1.4867E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.88E-10	1,000,000	4.88E-04
473	1.5624E-06	1.7729E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.82E-10	1,000,000	5.82E-04
474	1.5624E-06	2.1081E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.92E-10	1,000,000	6.92E-04
475	1.5624E-06	2.5343E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.32E-10	1,000,000	8.32E-04
476	1.5624E-06	7.8324E-06	1.05E-03	8.19E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
477	1.5624E-06	6.5422E-06	1.05E-03	6.84E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
478	1.5624E-06	5.3718E-06	1.05E-03	5.61E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
479	1.5624E-06	4.3512E-06	1.05E-03	4.55E-09	2.00	1.57E-01	1.43E-09	1,000,000	1.43E-03
480	1.5624E-06	3.539E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
481	1.5624E-06	1.2211E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.01E-10	1,000,000	4.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.5624E-06	1.48E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
483	1.5624E-06	1.7587E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
484	1.5624E-06	2.1487E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.06E-10	1,000,000	7.06E-04
485	1.5624E-06	2.7444E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.02E-10	1,000,000	9.02E-04
486	1.5624E-06	1.2215E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.01E-09	1,000,000	4.01E-03
487	1.5624E-06	9.3734E-06	1.05E-03	9.80E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
488	1.5624E-06	7.0047E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
489	1.5624E-06	5.3567E-06	1.05E-03	5.60E-09	2.00	1.57E-01	1.76E-09	1,000,000	1.76E-03
490	1.5624E-06	4.1824E-06	1.05E-03	4.37E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
491	1.5624E-06	1.1608E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
492	1.5624E-06	1.4044E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.61E-10	1,000,000	4.61E-04
493	1.5624E-06	1.6788E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
494	1.5624E-06	2.0925E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
495	1.5624E-06	2.7297E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.97E-10	1,000,000	8.97E-04
496	1.5624E-06	7.7777E-06	1.05E-03	8.13E-09	2.00	1.57E-01	2.55E-09	1,000,000	2.55E-03
497	1.5624E-06	1.3257E-05	1.05E-03	1.39E-08	2.00	1.57E-01	4.35E-09	1,000,000	4.35E-03
498	1.5624E-06	3.1745E-05	1.05E-03	3.32E-08	2.00	1.57E-01	1.04E-08	1,000,000	1.04E-02
499	1.5624E-06	2.339E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.68E-09	1,000,000	7.68E-03
500	1.5624E-06	1.4272E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.69E-09	1,000,000	4.69E-03
501	1.5624E-06	9.372E-06	1.05E-03	9.80E-09	2.00	1.57E-01	3.08E-09	1,000,000	3.08E-03
502	1.5624E-06	6.6034E-06	1.05E-03	6.90E-09	2.00	1.57E-01	2.17E-09	1,000,000	2.17E-03
503	1.5624E-06	4.9154E-06	1.05E-03	5.14E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
504	1.5624E-06	1.0676E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.51E-10	1,000,000	3.51E-04
505	1.5624E-06	1.2558E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.13E-10	1,000,000	4.13E-04
506	1.5624E-06	1.5976E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.25E-10	1,000,000	5.25E-04
507	1.5624E-06	1.955E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
508	1.5624E-06	2.6317E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.64E-10	1,000,000	8.64E-04
509	1.5624E-06	3.5375E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
510	1.5624E-06	5.1811E-06	1.05E-03	5.42E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
511	1.5624E-06	8.5701E-06	1.05E-03	8.96E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
512	1.5624E-06	1.963E-05	1.05E-03	2.05E-08	2.00	1.57E-01	6.45E-09	1,000,000	6.45E-03
513	1.5624E-06	5.594E-05	1.05E-03	5.85E-08	2.00	1.57E-01	1.84E-08	1,000,000	1.84E-02
514	1.5624E-06	9.2271E-05	1.05E-03	9.64E-08	2.00	1.57E-01	3.03E-08	1,000,000	3.03E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.5624E-06	9.8532E-05	1.05E-03	1.03E-07	2.00	1.57E-01	3.24E-08	1,000,000	3.24E-02
516	1.5624E-06	9.9992E-05	1.05E-03	1.05E-07	2.00	1.57E-01	3.28E-08	1,000,000	3.28E-02
517	1.5624E-06	6.6893E-05	1.05E-03	6.99E-08	2.00	1.57E-01	2.20E-08	1,000,000	2.20E-02
518	1.5624E-06	2.2304E-05	1.05E-03	2.33E-08	2.00	1.57E-01	7.33E-09	1,000,000	7.33E-03
519	1.5624E-06	1.2315E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
520	1.5624E-06	8.0097E-06	1.05E-03	8.37E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
521	1.5624E-06	5.6901E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03
522	1.5624E-06	9.6124E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
523	1.5624E-06	1.1658E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.83E-10	1,000,000	3.83E-04
524	1.5624E-06	1.4351E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.71E-10	1,000,000	4.71E-04
525	1.5624E-06	1.7946E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
526	1.5624E-06	2.2386E-06	1.05E-03	2.34E-09	2.00	1.57E-01	7.35E-10	1,000,000	7.35E-04
527	1.5624E-06	3.268E-06	1.05E-03	3.42E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
528	1.5624E-06	4.6971E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
529	1.5624E-06	7.5148E-06	1.05E-03	7.85E-09	2.00	1.57E-01	2.47E-09	1,000,000	2.47E-03
530	1.5624E-06	1.4511E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.77E-09	1,000,000	4.77E-03
531	1.5624E-06	2.9081E-05	1.05E-03	3.04E-08	2.00	1.57E-01	9.55E-09	1,000,000	9.55E-03
532	1.5624E-06	4.0837E-05	1.05E-03	4.27E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
533	1.5624E-06	4.982E-05	1.05E-03	5.21E-08	2.00	1.57E-01	1.64E-08	1,000,000	1.64E-02
534	1.5624E-06	8.2536E-05	1.05E-03	8.63E-08	2.00	1.57E-01	2.71E-08	1,000,000	2.71E-02
535	1.5624E-06	9.0763E-05	1.05E-03	9.49E-08	2.00	1.57E-01	2.98E-08	1,000,000	2.98E-02
536	1.5624E-06	2.8018E-05	1.05E-03	2.93E-08	2.00	1.57E-01	9.20E-09	1,000,000	9.20E-03
537	1.5624E-06	1.4556E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.78E-09	1,000,000	4.78E-03
538	1.5624E-06	9.115E-06	1.05E-03	9.53E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
539	1.5624E-06	6.3021E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
540	1.5624E-06	8.621E-07	1.05E-03	9.01E-10	2.00	1.57E-01	2.83E-10	1,000,000	2.83E-04
541	1.5624E-06	1.0399E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.42E-10	1,000,000	3.42E-04
542	1.5624E-06	1.2696E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
543	1.5624E-06	1.5848E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
544	1.5624E-06	2.1005E-06	1.05E-03	2.20E-09	2.00	1.57E-01	6.90E-10	1,000,000	6.90E-04
545	1.5624E-06	2.7759E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.12E-10	1,000,000	9.12E-04
546	1.5624E-06	3.9836E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
547	1.5624E-06	5.8644E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.5624E-06	9.286E-06	1.05E-03	9.71E-09	2.00	1.57E-01	3.05E-09	1,000,000	3.05E-03
549	1.5624E-06	1.4304E-05	1.05E-03	1.50E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
550	1.5624E-06	2.0636E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.78E-09	1,000,000	6.78E-03
551	1.5624E-06	2.9773E-05	1.05E-03	3.11E-08	2.00	1.57E-01	9.78E-09	1,000,000	9.78E-03
552	1.5624E-06	6.8788E-05	1.05E-03	7.19E-08	2.00	1.57E-01	2.26E-08	1,000,000	2.26E-02
553	1.5624E-06	8.7879E-05	1.05E-03	9.19E-08	2.00	1.57E-01	2.89E-08	1,000,000	2.89E-02
554	1.5624E-06	2.8127E-05	1.05E-03	2.94E-08	2.00	1.57E-01	9.24E-09	1,000,000	9.24E-03
555	1.5624E-06	1.4875E-05	1.05E-03	1.55E-08	2.00	1.57E-01	4.89E-09	1,000,000	4.89E-03
556	1.5624E-06	9.4092E-06	1.05E-03	9.83E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
557	1.5624E-06	6.5348E-06	1.05E-03	6.83E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
558	1.5624E-06	7.7522E-07	1.05E-03	8.10E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
559	1.5624E-06	9.3063E-07	1.05E-03	9.73E-10	2.00	1.57E-01	3.06E-10	1,000,000	3.06E-04
560	1.5624E-06	1.0997E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.61E-10	1,000,000	3.61E-04
561	1.5624E-06	1.3752E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.52E-10	1,000,000	4.52E-04
562	1.5624E-06	1.7153E-06	1.05E-03	1.79E-09	2.00	1.57E-01	5.63E-10	1,000,000	5.63E-04
563	1.5624E-06	2.255E-06	1.05E-03	2.36E-09	2.00	1.57E-01	7.41E-10	1,000,000	7.41E-04
564	1.5624E-06	3.2004E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
565	1.5624E-06	4.4844E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
566	1.5624E-06	6.6488E-06	1.05E-03	6.95E-09	2.00	1.57E-01	2.18E-09	1,000,000	2.18E-03
567	1.5624E-06	9.5419E-06	1.05E-03	9.97E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
568	1.5624E-06	1.4091E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.63E-09	1,000,000	4.63E-03
569	1.5624E-06	2.1693E-05	1.05E-03	2.27E-08	2.00	1.57E-01	7.13E-09	1,000,000	7.13E-03
570	1.5624E-06	5.8013E-05	1.05E-03	6.06E-08	2.00	1.57E-01	1.91E-08	1,000,000	1.91E-02
571	1.5624E-06	8.5399E-05	1.05E-03	8.93E-08	2.00	1.57E-01	2.81E-08	1,000,000	2.81E-02
572	1.5624E-06	2.5353E-05	1.05E-03	2.65E-08	2.00	1.57E-01	8.33E-09	1,000,000	8.33E-03
573	1.5624E-06	1.374E-05	1.05E-03	1.44E-08	2.00	1.57E-01	4.51E-09	1,000,000	4.51E-03
574	1.5624E-06	8.9041E-06	1.05E-03	9.31E-09	2.00	1.57E-01	2.92E-09	1,000,000	2.92E-03
575	1.5624E-06	6.3097E-06	1.05E-03	6.59E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.5624E-06	7.3305E-07	6.05E-04	4.44E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.9E-04
2	1.5624E-06	7.8779E-07	6.05E-04	4.77E-10	14.00	4.71E-02	3.15E-10	1,000,000	3.15E-04
3	1.5624E-06	8.469E-07	6.05E-04	5.12E-10	14.00	4.71E-02	3.38E-10	1,000,000	3.38E-04
4	1.5624E-06	9.0991E-07	6.05E-04	5.51E-10	14.00	4.71E-02	3.63E-10	1,000,000	3.63E-04
5	1.5624E-06	9.7686E-07	6.05E-04	5.91E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
6	1.5624E-06	1.0468E-06	6.05E-04	6.33E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
7	1.5624E-06	1.1174E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
8	1.5624E-06	1.1873E-06	6.05E-04	7.18E-10	14.00	4.71E-02	4.74E-10	1,000,000	4.74E-04
9	1.5624E-06	1.2546E-06	6.05E-04	7.59E-10	14.00	4.71E-02	5.01E-10	1,000,000	5.01E-04
10	1.5624E-06	1.3152E-06	6.05E-04	7.96E-10	14.00	4.71E-02	5.25E-10	1,000,000	5.25E-04
11	1.5624E-06	1.3656E-06	6.05E-04	8.26E-10	14.00	4.71E-02	5.45E-10	1,000,000	5.45E-04
12	1.5624E-06	1.4034E-06	6.05E-04	8.49E-10	14.00	4.71E-02	5.60E-10	1,000,000	5.60E-04
13	1.5624E-06	1.4257E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
14	1.5624E-06	1.4308E-06	6.05E-04	8.66E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
15	1.5624E-06	1.4185E-06	6.05E-04	8.58E-10	14.00	4.71E-02	5.66E-10	1,000,000	5.66E-04
16	1.5624E-06	1.3885E-06	6.05E-04	8.40E-10	14.00	4.71E-02	5.54E-10	1,000,000	5.54E-04
17	1.5624E-06	1.3462E-06	6.05E-04	8.15E-10	14.00	4.71E-02	5.38E-10	1,000,000	5.38E-04
18	1.5624E-06	1.2919E-06	6.05E-04	7.82E-10	14.00	4.71E-02	5.16E-10	1,000,000	5.16E-04
19	1.5624E-06	1.2278E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
20	1.5624E-06	1.1612E-06	6.05E-04	7.03E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
21	1.5624E-06	1.0918E-06	6.05E-04	6.61E-10	14.00	4.71E-02	4.36E-10	1,000,000	4.36E-04
22	1.5624E-06	1.0211E-06	6.05E-04	6.18E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
23	1.5624E-06	7.8173E-07	6.05E-04	4.73E-10	14.00	4.71E-02	3.12E-10	1,000,000	3.12E-04
24	1.5624E-06	8.4549E-07	6.05E-04	5.12E-10	14.00	4.71E-02	3.38E-10	1,000,000	3.38E-04
25	1.5624E-06	9.1529E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
26	1.5624E-06	9.9117E-07	6.05E-04	6.00E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.5624E-06	1.0727E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.28E-10	1,000,000	4.28E-04
28	1.5624E-06	1.16E-06	6.05E-04	7.02E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
29	1.5624E-06	1.2494E-06	6.05E-04	7.56E-10	14.00	4.71E-02	4.99E-10	1,000,000	4.99E-04
30	1.5624E-06	1.3408E-06	6.05E-04	8.11E-10	14.00	4.71E-02	5.35E-10	1,000,000	5.35E-04
31	1.5624E-06	1.4287E-06	6.05E-04	8.64E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
32	1.5624E-06	1.5095E-06	6.05E-04	9.13E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
33	1.5624E-06	1.5773E-06	6.05E-04	9.54E-10	14.00	4.71E-02	6.30E-10	1,000,000	6.30E-04
34	1.5624E-06	1.6302E-06	6.05E-04	9.86E-10	14.00	4.71E-02	6.51E-10	1,000,000	6.51E-04
35	1.5624E-06	1.6623E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.64E-10	1,000,000	6.64E-04
36	1.5624E-06	1.671E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.67E-10	1,000,000	6.67E-04
37	1.5624E-06	1.6498E-06	6.05E-04	9.98E-10	14.00	4.71E-02	6.59E-10	1,000,000	6.59E-04
38	1.5624E-06	1.6089E-06	6.05E-04	9.74E-10	14.00	4.71E-02	6.43E-10	1,000,000	6.43E-04
39	1.5624E-06	1.5522E-06	6.05E-04	9.39E-10	14.00	4.71E-02	6.20E-10	1,000,000	6.20E-04
40	1.5624E-06	1.4786E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.90E-10	1,000,000	5.90E-04
41	1.5624E-06	1.3934E-06	6.05E-04	8.43E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
42	1.5624E-06	1.3031E-06	6.05E-04	7.88E-10	14.00	4.71E-02	5.20E-10	1,000,000	5.20E-04
43	1.5624E-06	1.2117E-06	6.05E-04	7.33E-10	14.00	4.71E-02	4.84E-10	1,000,000	4.84E-04
44	1.5624E-06	1.129E-06	6.05E-04	6.83E-10	14.00	4.71E-02	4.51E-10	1,000,000	4.51E-04
45	1.5624E-06	8.3271E-07	6.05E-04	5.04E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
46	1.5624E-06	9.0677E-07	6.05E-04	5.49E-10	14.00	4.71E-02	3.62E-10	1,000,000	3.62E-04
47	1.5624E-06	9.8925E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.95E-10	1,000,000	3.95E-04
48	1.5624E-06	1.0806E-06	6.05E-04	6.54E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
49	1.5624E-06	1.1807E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
50	1.5624E-06	1.2892E-06	6.05E-04	7.80E-10	14.00	4.71E-02	5.15E-10	1,000,000	5.15E-04
51	1.5624E-06	1.4045E-06	6.05E-04	8.50E-10	14.00	4.71E-02	5.61E-10	1,000,000	5.61E-04
52	1.5624E-06	1.5235E-06	6.05E-04	9.22E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.5624E-06	1.6424E-06	6.05E-04	9.94E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
54	1.5624E-06	1.7524E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
55	1.5624E-06	1.848E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.38E-10	1,000,000	7.38E-04
56	1.5624E-06	1.9219E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.67E-10	1,000,000	7.67E-04
57	1.5624E-06	1.9665E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.85E-10	1,000,000	7.85E-04
58	1.5624E-06	1.9815E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04
59	1.5624E-06	1.951E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.79E-10	1,000,000	7.79E-04
60	1.5624E-06	1.8918E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.55E-10	1,000,000	7.55E-04
61	1.5624E-06	1.8113E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.23E-10	1,000,000	7.23E-04
62	1.5624E-06	1.7077E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.82E-10	1,000,000	6.82E-04
63	1.5624E-06	1.593E-06	6.05E-04	9.64E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
64	1.5624E-06	1.4754E-06	6.05E-04	8.93E-10	14.00	4.71E-02	5.89E-10	1,000,000	5.89E-04
65	1.5624E-06	1.3609E-06	6.05E-04	8.23E-10	14.00	4.71E-02	5.43E-10	1,000,000	5.43E-04
66	1.5624E-06	1.2519E-06	6.05E-04	7.58E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
67	1.5624E-06	8.853E-07	6.05E-04	5.36E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
68	1.5624E-06	9.7094E-07	6.05E-04	5.87E-10	14.00	4.71E-02	3.88E-10	1,000,000	3.88E-04
69	1.5624E-06	1.0681E-06	6.05E-04	6.46E-10	14.00	4.71E-02	4.27E-10	1,000,000	4.27E-04
70	1.5624E-06	1.1776E-06	6.05E-04	7.13E-10	14.00	4.71E-02	4.70E-10	1,000,000	4.70E-04
71	1.5624E-06	1.3007E-06	6.05E-04	7.87E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
72	1.5624E-06	1.4373E-06	6.05E-04	8.70E-10	14.00	4.71E-02	5.74E-10	1,000,000	5.74E-04
73	1.5624E-06	1.5867E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
74	1.5624E-06	1.7443E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.97E-10	1,000,000	6.97E-04
75	1.5624E-06	1.9058E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.61E-10	1,000,000	7.61E-04
76	1.5624E-06	2.0624E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.24E-10	1,000,000	8.24E-04
77	1.5624E-06	2.2023E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.79E-10	1,000,000	8.79E-04
78	1.5624E-06	2.3138E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.24E-10	1,000,000	9.24E-04
79	1.5624E-06	2.3776E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.49E-10	1,000,000	9.49E-04
80	1.5624E-06	2.3916E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.55E-10	1,000,000	9.55E-04
81	1.5624E-06	2.3519E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.39E-10	1,000,000	9.39E-04
82	1.5624E-06	2.2699E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.06E-10	1,000,000	9.06E-04
83	1.5624E-06	2.1443E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.56E-10	1,000,000	8.56E-04
84	1.5624E-06	1.9982E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.98E-10	1,000,000	7.98E-04
85	1.5624E-06	1.8305E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.31E-10	1,000,000	7.31E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.5624E-06	1.68E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.71E-10	1,000,000	6.71E-04
87	1.5624E-06	1.5293E-06	6.05E-04	9.25E-10	14.00	4.71E-02	6.11E-10	1,000,000	6.11E-04
88	1.5624E-06	1.3915E-06	6.05E-04	8.42E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
89	1.5624E-06	9.3841E-07	6.05E-04	5.68E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
90	1.5624E-06	1.0368E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
91	1.5624E-06	1.1505E-06	6.05E-04	6.96E-10	14.00	4.71E-02	4.59E-10	1,000,000	4.59E-04
92	1.5624E-06	1.2817E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
93	1.5624E-06	1.4327E-06	6.05E-04	8.67E-10	14.00	4.71E-02	5.72E-10	1,000,000	5.72E-04
94	1.5624E-06	1.6045E-06	6.05E-04	9.71E-10	14.00	4.71E-02	6.41E-10	1,000,000	6.41E-04
95	1.5624E-06	1.7985E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.18E-10	1,000,000	7.18E-04
96	1.5624E-06	2.012E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.03E-10	1,000,000	8.03E-04
97	1.5624E-06	2.2392E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
98	1.5624E-06	2.466E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.85E-10	1,000,000	9.85E-04
99	1.5624E-06	2.673E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
100	1.5624E-06	2.84E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
101	1.5624E-06	2.9409E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
102	1.5624E-06	2.9616E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
103	1.5624E-06	2.9026E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
104	1.5624E-06	2.7664E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
105	1.5624E-06	2.583E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
106	1.5624E-06	2.3666E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.45E-10	1,000,000	9.45E-04
107	1.5624E-06	2.1402E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.55E-10	1,000,000	8.55E-04
108	1.5624E-06	1.9244E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.68E-10	1,000,000	7.68E-04
109	1.5624E-06	1.7248E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.89E-10	1,000,000	6.89E-04
110	1.5624E-06	1.5498E-06	6.05E-04	9.38E-10	14.00	4.71E-02	6.19E-10	1,000,000	6.19E-04
111	1.5624E-06	9.9053E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.96E-10	1,000,000	3.96E-04
112	1.5624E-06	1.1028E-06	6.05E-04	6.67E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
113	1.5624E-06	1.2348E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
114	1.5624E-06	1.3905E-06	6.05E-04	8.41E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
115	1.5624E-06	1.5745E-06	6.05E-04	9.53E-10	14.00	4.71E-02	6.29E-10	1,000,000	6.29E-04
116	1.5624E-06	1.7908E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.15E-10	1,000,000	7.15E-04
117	1.5624E-06	2.0449E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.17E-10	1,000,000	8.17E-04
118	1.5624E-06	2.3382E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.5624E-06	2.6636E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
120	1.5624E-06	3.0053E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
121	1.5624E-06	3.3327E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
122	1.5624E-06	3.5969E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
123	1.5624E-06	3.7616E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
124	1.5624E-06	3.7946E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
125	1.5624E-06	3.6915E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
126	1.5624E-06	3.4649E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
127	1.5624E-06	3.1711E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
128	1.5624E-06	2.845E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
129	1.5624E-06	2.5162E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
130	1.5624E-06	2.22E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.87E-10	1,000,000	8.87E-04
131	1.5624E-06	1.954E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.80E-10	1,000,000	7.80E-04
132	1.5624E-06	1.7279E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.90E-10	1,000,000	6.90E-04
133	1.5624E-06	1.0358E-06	6.05E-04	6.27E-10	14.00	4.71E-02	4.14E-10	1,000,000	4.14E-04
134	1.5624E-06	1.1663E-06	6.05E-04	7.06E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
135	1.5624E-06	1.3175E-06	6.05E-04	7.97E-10	14.00	4.71E-02	5.26E-10	1,000,000	5.26E-04
136	1.5624E-06	1.5004E-06	6.05E-04	9.08E-10	14.00	4.71E-02	5.99E-10	1,000,000	5.99E-04
137	1.5624E-06	1.7224E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.88E-10	1,000,000	6.88E-04
138	1.5624E-06	1.9942E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.96E-10	1,000,000	7.96E-04
139	1.5624E-06	2.3265E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.29E-10	1,000,000	9.29E-04
140	1.5624E-06	2.7318E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
141	1.5624E-06	3.2069E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
142	1.5624E-06	3.7434E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
143	1.5624E-06	4.2843E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
144	1.5624E-06	4.743E-06	6.05E-04	2.87E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
145	1.5624E-06	5.0314E-06	6.05E-04	3.04E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
146	1.5624E-06	5.0808E-06	6.05E-04	3.07E-09	14.00	4.71E-02	2.03E-09	1,000,000	2.03E-03
147	1.5624E-06	4.8885E-06	6.05E-04	2.96E-09	14.00	4.71E-02	1.95E-09	1,000,000	1.95E-03
148	1.5624E-06	4.488E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
149	1.5624E-06	3.9954E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
150	1.5624E-06	3.467E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
151	1.5624E-06	2.9813E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.5624E-06	2.5685E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
153	1.5624E-06	2.2166E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
154	1.5624E-06	1.9251E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.69E-10	1,000,000	7.69E-04
155	1.5624E-06	1.0012E-06	6.05E-04	6.06E-10	14.00	4.71E-02	4.00E-10	1,000,000	4.00E-04
156	1.5624E-06	1.1547E-06	6.05E-04	6.99E-10	14.00	4.71E-02	4.61E-10	1,000,000	4.61E-04
157	1.5624E-06	1.3734E-06	6.05E-04	8.31E-10	14.00	4.71E-02	5.48E-10	1,000,000	5.48E-04
158	1.5624E-06	1.587E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
159	1.5624E-06	1.87E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.47E-10	1,000,000	7.47E-04
160	1.5624E-06	2.2052E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.81E-10	1,000,000	8.81E-04
161	1.5624E-06	2.6366E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
162	1.5624E-06	3.1943E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
163	1.5624E-06	3.9085E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
164	1.5624E-06	4.7829E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
165	1.5624E-06	5.7458E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.29E-09	1,000,000	2.29E-03
166	1.5624E-06	6.6209E-06	6.05E-04	4.01E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
167	1.5624E-06	7.178E-06	6.05E-04	4.34E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
168	1.5624E-06	7.2666E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
169	1.5624E-06	6.8687E-06	6.05E-04	4.16E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
170	1.5624E-06	6.0768E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
171	1.5624E-06	5.1462E-06	6.05E-04	3.11E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
172	1.5624E-06	4.3033E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
173	1.5624E-06	3.5693E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
174	1.5624E-06	2.9815E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
175	1.5624E-06	2.5187E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
176	1.5624E-06	2.1471E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.57E-10	1,000,000	8.57E-04
177	1.5624E-06	9.8599E-07	6.05E-04	5.97E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
178	1.5624E-06	1.1581E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.62E-10	1,000,000	4.62E-04
179	1.5624E-06	1.3914E-06	6.05E-04	8.42E-10	14.00	4.71E-02	5.56E-10	1,000,000	5.56E-04
180	1.5624E-06	1.6716E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
181	1.5624E-06	1.9937E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.96E-10	1,000,000	7.96E-04
182	1.5624E-06	2.4038E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.60E-10	1,000,000	9.60E-04
183	1.5624E-06	2.9523E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
184	1.5624E-06	1.0507E-05	6.05E-04	6.36E-09	14.00	4.71E-02	4.20E-09	1,000,000	4.20E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.5624E-06	8.6801E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
186	1.5624E-06	6.9227E-06	6.05E-04	4.19E-09	14.00	4.71E-02	2.76E-09	1,000,000	2.76E-03
187	1.5624E-06	5.4196E-06	6.05E-04	3.28E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
188	1.5624E-06	4.2884E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
189	1.5624E-06	3.4651E-06	6.05E-04	2.10E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
190	1.5624E-06	2.8503E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
191	1.5624E-06	2.3819E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.51E-10	1,000,000	9.51E-04
192	1.5624E-06	9.4463E-07	6.05E-04	5.72E-10	14.00	4.71E-02	3.77E-10	1,000,000	3.77E-04
193	1.5624E-06	1.1054E-06	6.05E-04	6.69E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
194	1.5624E-06	1.3293E-06	6.05E-04	8.04E-10	14.00	4.71E-02	5.31E-10	1,000,000	5.31E-04
195	1.5624E-06	1.6098E-06	6.05E-04	9.74E-10	14.00	4.71E-02	6.43E-10	1,000,000	6.43E-04
196	1.5624E-06	1.9956E-06	6.05E-04	1.21E-09	14.00	4.71E-02	7.97E-10	1,000,000	7.97E-04
197	1.5624E-06	2.455E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.80E-10	1,000,000	9.80E-04
198	1.5624E-06	3.1816E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
199	1.5624E-06	8.5402E-06	6.05E-04	5.17E-09	14.00	4.71E-02	3.41E-09	1,000,000	3.41E-03
200	1.5624E-06	1.8898E-05	6.05E-04	1.14E-08	14.00	4.71E-02	7.55E-09	1,000,000	7.55E-03
201	1.5624E-06	1.3754E-05	6.05E-04	8.32E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
202	1.5624E-06	9.5433E-06	6.05E-04	5.77E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
203	1.5624E-06	6.895E-06	6.05E-04	4.17E-09	14.00	4.71E-02	2.75E-09	1,000,000	2.75E-03
204	1.5624E-06	5.1677E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
205	1.5624E-06	4.016E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
206	1.5624E-06	3.2128E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
207	1.5624E-06	2.6355E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
208	1.5624E-06	8.8115E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
209	1.5624E-06	1.04E-06	6.05E-04	6.29E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
210	1.5624E-06	1.203E-06	6.05E-04	7.28E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
211	1.5624E-06	1.4909E-06	6.05E-04	9.02E-10	14.00	4.71E-02	5.95E-10	1,000,000	5.95E-04
212	1.5624E-06	1.8303E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.31E-10	1,000,000	7.31E-04
213	1.5624E-06	2.339E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
214	1.5624E-06	3.1502E-06	6.05E-04	1.91E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
215	1.5624E-06	4.3549E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
216	1.5624E-06	6.6511E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
217	1.5624E-06	1.1376E-05	6.05E-04	6.88E-09	14.00	4.71E-02	4.54E-09	1,000,000	4.54E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.5624E-06	6.5498E-05	6.05E-04	3.96E-08	14.00	4.71E-02	2.62E-08	1,000,000	2.62E-02
219	1.5624E-06	5.492E-05	6.05E-04	3.32E-08	14.00	4.71E-02	2.19E-08	1,000,000	2.19E-02
220	1.5624E-06	2.499E-05	6.05E-04	1.51E-08	14.00	4.71E-02	9.98E-09	1,000,000	9.98E-03
221	1.5624E-06	1.3686E-05	6.05E-04	8.28E-09	14.00	4.71E-02	5.47E-09	1,000,000	5.47E-03
222	1.5624E-06	8.7968E-06	6.05E-04	5.32E-09	14.00	4.71E-02	3.51E-09	1,000,000	3.51E-03
223	1.5624E-06	6.1866E-06	6.05E-04	3.74E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
224	1.5624E-06	4.6144E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
225	1.5624E-06	3.5893E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
226	1.5624E-06	2.8871E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
227	1.5624E-06	8.0682E-07	6.05E-04	4.88E-10	14.00	4.71E-02	3.22E-10	1,000,000	3.22E-04
228	1.5624E-06	9.3704E-07	6.05E-04	5.67E-10	14.00	4.71E-02	3.74E-10	1,000,000	3.74E-04
229	1.5624E-06	1.1021E-06	6.05E-04	6.67E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
230	1.5624E-06	1.3376E-06	6.05E-04	8.09E-10	14.00	4.71E-02	5.34E-10	1,000,000	5.34E-04
231	1.5624E-06	1.6719E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
232	1.5624E-06	2.0936E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
233	1.5624E-06	2.9092E-06	6.05E-04	1.76E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
234	1.5624E-06	4.0764E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
235	1.5624E-06	6.3257E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
236	1.5624E-06	1.165E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
237	1.5624E-06	3.4802E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
238	1.5624E-06	7.9579E-05	6.05E-04	4.82E-08	14.00	4.71E-02	3.18E-08	1,000,000	3.18E-02
239	1.5624E-06	8.9507E-05	6.05E-04	5.42E-08	14.00	4.71E-02	3.57E-08	1,000,000	3.57E-02
240	1.5624E-06	9.7588E-05	6.05E-04	5.90E-08	14.00	4.71E-02	3.90E-08	1,000,000	3.90E-02
241	1.5624E-06	0.00010719	6.05E-04	6.49E-08	14.00	4.71E-02	4.28E-08	1,000,000	4.28E-02
242	1.5624E-06	4.2148E-05	6.05E-04	2.55E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
243	1.5624E-06	1.8239E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.28E-09	1,000,000	7.28E-03
244	1.5624E-06	1.0691E-05	6.05E-04	6.47E-09	14.00	4.71E-02	4.27E-09	1,000,000	4.27E-03
245	1.5624E-06	7.1553E-06	6.05E-04	4.33E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
246	1.5624E-06	5.1724E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
247	1.5624E-06	3.9393E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
248	1.5624E-06	3.1196E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
249	1.5624E-06	7.3938E-07	6.05E-04	4.47E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
250	1.5624E-06	8.4968E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.5624E-06	9.8927E-07	6.05E-04	5.99E-10	14.00	4.71E-02	3.95E-10	1,000,000	3.95E-04
252	1.5624E-06	1.2049E-06	6.05E-04	7.29E-10	14.00	4.71E-02	4.81E-10	1,000,000	4.81E-04
253	1.5624E-06	1.4803E-06	6.05E-04	8.96E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
254	1.5624E-06	1.9529E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.80E-10	1,000,000	7.80E-04
255	1.5624E-06	2.5727E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
256	1.5624E-06	3.7283E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
257	1.5624E-06	5.3741E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
258	1.5624E-06	8.4281E-06	6.05E-04	5.10E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
259	1.5624E-06	1.4961E-05	6.05E-04	9.05E-09	14.00	4.71E-02	5.97E-09	1,000,000	5.97E-03
260	1.5624E-06	2.3286E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.30E-09	1,000,000	9.30E-03
261	1.5624E-06	3.0992E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
262	1.5624E-06	4.6175E-05	6.05E-04	2.79E-08	14.00	4.71E-02	1.84E-08	1,000,000	1.84E-02
263	1.5624E-06	8.9519E-05	6.05E-04	5.42E-08	14.00	4.71E-02	3.57E-08	1,000,000	3.57E-02
264	1.5624E-06	4.4816E-05	6.05E-04	2.71E-08	14.00	4.71E-02	1.79E-08	1,000,000	1.79E-02
265	1.5624E-06	2.0031E-05	6.05E-04	1.21E-08	14.00	4.71E-02	8.00E-09	1,000,000	8.00E-03
266	1.5624E-06	1.1655E-05	6.05E-04	7.05E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
267	1.5624E-06	7.7187E-06	6.05E-04	4.67E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
268	1.5624E-06	5.5239E-06	6.05E-04	3.34E-09	14.00	4.71E-02	2.21E-09	1,000,000	2.21E-03
269	1.5624E-06	4.1715E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
270	1.5624E-06	3.2794E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
271	1.5624E-06	6.583E-07	6.05E-04	3.98E-10	14.00	4.71E-02	2.63E-10	1,000,000	2.63E-04
272	1.5624E-06	7.5156E-07	6.05E-04	4.55E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
273	1.5624E-06	8.8315E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
274	1.5624E-06	1.0558E-06	6.05E-04	6.39E-10	14.00	4.71E-02	4.22E-10	1,000,000	4.22E-04
275	1.5624E-06	1.2967E-06	6.05E-04	7.85E-10	14.00	4.71E-02	5.18E-10	1,000,000	5.18E-04
276	1.5624E-06	1.6718E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
277	1.5624E-06	2.2018E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.79E-10	1,000,000	8.79E-04
278	1.5624E-06	2.9536E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
279	1.5624E-06	4.2549E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
280	1.5624E-06	6.2583E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
281	1.5624E-06	9.3913E-06	6.05E-04	5.68E-09	14.00	4.71E-02	3.75E-09	1,000,000	3.75E-03
282	1.5624E-06	1.4008E-05	6.05E-04	8.48E-09	14.00	4.71E-02	5.59E-09	1,000,000	5.59E-03
283	1.5624E-06	2.0306E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.11E-09	1,000,000	8.11E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.5624E-06	3.5224E-05	6.05E-04	2.13E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
285	1.5624E-06	8.3485E-05	6.05E-04	5.05E-08	14.00	4.71E-02	3.33E-08	1,000,000	3.33E-02
286	1.5624E-06	4.2482E-05	6.05E-04	2.57E-08	14.00	4.71E-02	1.70E-08	1,000,000	1.70E-02
287	1.5624E-06	1.9215E-05	6.05E-04	1.16E-08	14.00	4.71E-02	7.67E-09	1,000,000	7.67E-03
288	1.5624E-06	1.1424E-05	6.05E-04	6.91E-09	14.00	4.71E-02	4.56E-09	1,000,000	4.56E-03
289	1.5624E-06	7.6819E-06	6.05E-04	4.65E-09	14.00	4.71E-02	3.07E-09	1,000,000	3.07E-03
290	1.5624E-06	5.5486E-06	6.05E-04	3.36E-09	14.00	4.71E-02	2.22E-09	1,000,000	2.22E-03
291	1.5624E-06	4.2198E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
292	1.5624E-06	3.3285E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
293	1.5624E-06	5.9253E-07	6.05E-04	3.59E-10	14.00	4.71E-02	2.37E-10	1,000,000	2.37E-04
294	1.5624E-06	6.794E-07	6.05E-04	4.11E-10	14.00	4.71E-02	2.71E-10	1,000,000	2.71E-04
295	1.5624E-06	7.8942E-07	6.05E-04	4.78E-10	14.00	4.71E-02	3.15E-10	1,000,000	3.15E-04
296	1.5624E-06	9.259E-07	6.05E-04	5.60E-10	14.00	4.71E-02	3.70E-10	1,000,000	3.70E-04
297	1.5624E-06	1.1418E-06	6.05E-04	6.91E-10	14.00	4.71E-02	4.56E-10	1,000,000	4.56E-04
298	1.5624E-06	1.4277E-06	6.05E-04	8.64E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
299	1.5624E-06	1.8423E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.36E-10	1,000,000	7.36E-04
300	1.5624E-06	2.5057E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
301	1.5624E-06	3.2921E-06	6.05E-04	1.99E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
302	1.5624E-06	4.7628E-06	6.05E-04	2.88E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
303	1.5624E-06	6.7968E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
304	1.5624E-06	9.8557E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.94E-09	1,000,000	3.94E-03
305	1.5624E-06	1.4528E-05	6.05E-04	8.79E-09	14.00	4.71E-02	5.80E-09	1,000,000	5.80E-03
306	1.5624E-06	2.7139E-05	6.05E-04	1.64E-08	14.00	4.71E-02	1.08E-08	1,000,000	1.08E-02
307	1.5624E-06	7.3208E-05	6.05E-04	4.43E-08	14.00	4.71E-02	2.92E-08	1,000,000	2.92E-02
308	1.5624E-06	3.5871E-05	6.05E-04	2.17E-08	14.00	4.71E-02	1.43E-08	1,000,000	1.43E-02
309	1.5624E-06	1.6434E-05	6.05E-04	9.94E-09	14.00	4.71E-02	6.56E-09	1,000,000	6.56E-03
310	1.5624E-06	1.0165E-05	6.05E-04	6.15E-09	14.00	4.71E-02	4.06E-09	1,000,000	4.06E-03
311	1.5624E-06	7.0669E-06	6.05E-04	4.28E-09	14.00	4.71E-02	2.82E-09	1,000,000	2.82E-03
312	1.5624E-06	5.2406E-06	6.05E-04	3.17E-09	14.00	4.71E-02	2.09E-09	1,000,000	2.09E-03
313	1.5624E-06	4.059E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
314	1.5624E-06	3.2447E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
315	1.5624E-06	5.2459E-07	6.05E-04	3.17E-10	14.00	4.71E-02	2.09E-10	1,000,000	2.09E-04
316	1.5624E-06	6.0243E-07	6.05E-04	3.65E-10	14.00	4.71E-02	2.41E-10	1,000,000	2.41E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.5624E-06	6.9657E-07	6.05E-04	4.21E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04
318	1.5624E-06	8.1317E-07	6.05E-04	4.92E-10	14.00	4.71E-02	3.25E-10	1,000,000	3.25E-04
319	1.5624E-06	9.5719E-07	6.05E-04	5.79E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
320	1.5624E-06	1.2308E-06	6.05E-04	7.45E-10	14.00	4.71E-02	4.92E-10	1,000,000	4.92E-04
321	1.5624E-06	1.5257E-06	6.05E-04	9.23E-10	14.00	4.71E-02	6.09E-10	1,000,000	6.09E-04
322	1.5624E-06	1.9796E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.91E-10	1,000,000	7.91E-04
323	1.5624E-06	2.6858E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
324	1.5624E-06	3.6331E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
325	1.5624E-06	5.0565E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
326	1.5624E-06	7.1016E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
327	1.5624E-06	1.0845E-05	6.05E-04	6.56E-09	14.00	4.71E-02	4.33E-09	1,000,000	4.33E-03
328	1.5624E-06	1.593E-05	6.05E-04	9.64E-09	14.00	4.71E-02	6.36E-09	1,000,000	6.36E-03
329	1.5624E-06	3.2813E-05	6.05E-04	1.99E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
330	1.5624E-06	1.9727E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.88E-09	1,000,000	7.88E-03
331	1.5624E-06	1.1758E-05	6.05E-04	7.11E-09	14.00	4.71E-02	4.70E-09	1,000,000	4.70E-03
332	1.5624E-06	8.1674E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
333	1.5624E-06	6.0848E-06	6.05E-04	3.68E-09	14.00	4.71E-02	2.43E-09	1,000,000	2.43E-03
334	1.5624E-06	4.6848E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
335	1.5624E-06	3.7277E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
336	1.5624E-06	3.0419E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
337	1.5624E-06	4.7924E-07	6.05E-04	2.90E-10	14.00	4.71E-02	1.91E-10	1,000,000	1.91E-04
338	1.5624E-06	5.4345E-07	6.05E-04	3.29E-10	14.00	4.71E-02	2.17E-10	1,000,000	2.17E-04
339	1.5624E-06	6.1537E-07	6.05E-04	3.72E-10	14.00	4.71E-02	2.46E-10	1,000,000	2.46E-04
340	1.5624E-06	7.246E-07	6.05E-04	4.38E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
341	1.5624E-06	8.4429E-07	6.05E-04	5.11E-10	14.00	4.71E-02	3.37E-10	1,000,000	3.37E-04
342	1.5624E-06	1.0565E-06	6.05E-04	6.39E-10	14.00	4.71E-02	4.22E-10	1,000,000	4.22E-04
343	1.5624E-06	1.273E-06	6.05E-04	7.70E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
344	1.5624E-06	1.6179E-06	6.05E-04	9.79E-10	14.00	4.71E-02	6.46E-10	1,000,000	6.46E-04
345	1.5624E-06	2.1036E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.40E-10	1,000,000	8.40E-04
346	1.5624E-06	2.8367E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
347	1.5624E-06	3.693E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
348	1.5624E-06	4.9968E-06	6.05E-04	3.02E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03
349	1.5624E-06	5.9486E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.5624E-06	7.9925E-06	6.05E-04	4.84E-09	14.00	4.71E-02	3.19E-09	1,000,000	3.19E-03
351	1.5624E-06	9.6946E-06	6.05E-04	5.87E-09	14.00	4.71E-02	3.87E-09	1,000,000	3.87E-03
352	1.5624E-06	8.8115E-06	6.05E-04	5.33E-09	14.00	4.71E-02	3.52E-09	1,000,000	3.52E-03
353	1.5624E-06	7.4403E-06	6.05E-04	4.50E-09	14.00	4.71E-02	2.97E-09	1,000,000	2.97E-03
354	1.5624E-06	5.9433E-06	6.05E-04	3.60E-09	14.00	4.71E-02	2.37E-09	1,000,000	2.37E-03
355	1.5624E-06	4.8568E-06	6.05E-04	2.94E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
356	1.5624E-06	4.0042E-06	6.05E-04	2.42E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
357	1.5624E-06	3.3269E-06	6.05E-04	2.01E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
358	1.5624E-06	2.7944E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
359	1.5624E-06	4.2947E-07	6.05E-04	2.60E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
360	1.5624E-06	4.8777E-07	6.05E-04	2.95E-10	14.00	4.71E-02	1.95E-10	1,000,000	1.95E-04
361	1.5624E-06	5.5351E-07	6.05E-04	3.35E-10	14.00	4.71E-02	2.21E-10	1,000,000	2.21E-04
362	1.5624E-06	6.3455E-07	6.05E-04	3.84E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04
363	1.5624E-06	7.2888E-07	6.05E-04	4.41E-10	14.00	4.71E-02	2.91E-10	1,000,000	2.91E-04
364	1.5624E-06	8.776E-07	6.05E-04	5.31E-10	14.00	4.71E-02	3.50E-10	1,000,000	3.50E-04
365	1.5624E-06	1.0683E-06	6.05E-04	6.46E-10	14.00	4.71E-02	4.27E-10	1,000,000	4.27E-04
366	1.5624E-06	1.3312E-06	6.05E-04	8.05E-10	14.00	4.71E-02	5.32E-10	1,000,000	5.32E-04
367	1.5624E-06	1.7227E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.88E-10	1,000,000	6.88E-04
368	1.5624E-06	2.1742E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.68E-10	1,000,000	8.68E-04
369	1.5624E-06	2.6693E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
370	1.5624E-06	3.194E-06	6.05E-04	1.93E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
371	1.5624E-06	3.9385E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
372	1.5624E-06	4.6458E-06	6.05E-04	2.81E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
373	1.5624E-06	4.9495E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
374	1.5624E-06	4.7764E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
375	1.5624E-06	4.6565E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
376	1.5624E-06	4.1424E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
377	1.5624E-06	3.6848E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
378	1.5624E-06	3.2794E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
379	1.5624E-06	2.8465E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
380	1.5624E-06	2.4814E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.91E-10	1,000,000	9.91E-04
381	1.5624E-06	9.8225E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
382	1.5624E-06	1.0769E-06	6.05E-04	6.52E-10	14.00	4.71E-02	4.30E-10	1,000,000	4.30E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.5624E-06	1.1824E-06	6.05E-04	7.15E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
384	1.5624E-06	1.2989E-06	6.05E-04	7.86E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
385	1.5624E-06	1.4258E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.69E-10	1,000,000	5.69E-04
386	1.5624E-06	1.5601E-06	6.05E-04	9.44E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
387	1.5624E-06	1.6973E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.78E-10	1,000,000	6.78E-04
388	1.5624E-06	1.8329E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
389	1.5624E-06	1.9576E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.82E-10	1,000,000	7.82E-04
390	1.5624E-06	2.0614E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.23E-10	1,000,000	8.23E-04
391	1.5624E-06	2.1337E-06	6.05E-04	1.29E-09	14.00	4.71E-02	8.52E-10	1,000,000	8.52E-04
392	1.5624E-06	2.1673E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.65E-10	1,000,000	8.65E-04
393	1.5624E-06	2.1574E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.62E-10	1,000,000	8.62E-04
394	1.5624E-06	2.1083E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.42E-10	1,000,000	8.42E-04
395	1.5624E-06	2.0185E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.06E-10	1,000,000	8.06E-04
396	1.5624E-06	1.904E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.60E-10	1,000,000	7.60E-04
397	1.5624E-06	1.7746E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.09E-10	1,000,000	7.09E-04
398	1.5624E-06	1.6379E-06	6.05E-04	9.91E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
399	1.5624E-06	1.0546E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
400	1.5624E-06	1.167E-06	6.05E-04	7.06E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
401	1.5624E-06	1.2952E-06	6.05E-04	7.84E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
402	1.5624E-06	1.4399E-06	6.05E-04	8.71E-10	14.00	4.71E-02	5.75E-10	1,000,000	5.75E-04
403	1.5624E-06	1.6013E-06	6.05E-04	9.69E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
404	1.5624E-06	1.7772E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.10E-10	1,000,000	7.10E-04
405	1.5624E-06	1.9646E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.85E-10	1,000,000	7.85E-04
406	1.5624E-06	2.1555E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.61E-10	1,000,000	8.61E-04
407	1.5624E-06	2.3364E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.33E-10	1,000,000	9.33E-04
408	1.5624E-06	2.493E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.96E-10	1,000,000	9.96E-04
409	1.5624E-06	2.6028E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
410	1.5624E-06	2.65E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
411	1.5624E-06	2.6356E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
412	1.5624E-06	2.5604E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
413	1.5624E-06	2.4266E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.69E-10	1,000,000	9.69E-04
414	1.5624E-06	2.2591E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.02E-10	1,000,000	9.02E-04
415	1.5624E-06	2.0727E-06	6.05E-04	1.25E-09	14.00	4.71E-02	8.28E-10	1,000,000	8.28E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.5624E-06	1.8782E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
417	1.5624E-06	1.129E-06	6.05E-04	6.83E-10	14.00	4.71E-02	4.51E-10	1,000,000	4.51E-04
418	1.5624E-06	1.2614E-06	6.05E-04	7.63E-10	14.00	4.71E-02	5.04E-10	1,000,000	5.04E-04
419	1.5624E-06	1.4159E-06	6.05E-04	8.57E-10	14.00	4.71E-02	5.65E-10	1,000,000	5.65E-04
420	1.5624E-06	1.5953E-06	6.05E-04	9.65E-10	14.00	4.71E-02	6.37E-10	1,000,000	6.37E-04
421	1.5624E-06	1.8024E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.20E-10	1,000,000	7.20E-04
422	1.5624E-06	2.0389E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.14E-10	1,000,000	8.14E-04
423	1.5624E-06	2.3008E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
424	1.5624E-06	2.5772E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
425	1.5624E-06	2.8466E-06	6.05E-04	1.72E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
426	1.5624E-06	3.0874E-06	6.05E-04	1.87E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
427	1.5624E-06	3.2573E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
428	1.5624E-06	3.3379E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
429	1.5624E-06	3.3117E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
430	1.5624E-06	3.181E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
431	1.5624E-06	2.9729E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
432	1.5624E-06	2.7189E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
433	1.5624E-06	2.457E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.81E-10	1,000,000	9.81E-04
434	1.5624E-06	2.1874E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.74E-10	1,000,000	8.74E-04
435	1.5624E-06	1.2027E-06	6.05E-04	7.28E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
436	1.5624E-06	1.3572E-06	6.05E-04	8.21E-10	14.00	4.71E-02	5.42E-10	1,000,000	5.42E-04
437	1.5624E-06	1.5421E-06	6.05E-04	9.33E-10	14.00	4.71E-02	6.16E-10	1,000,000	6.16E-04
438	1.5624E-06	1.7635E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
439	1.5624E-06	2.0298E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.11E-10	1,000,000	8.11E-04
440	1.5624E-06	2.3468E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.37E-10	1,000,000	9.37E-04
441	1.5624E-06	2.7162E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
442	1.5624E-06	3.1291E-06	6.05E-04	1.89E-09	14.00	4.71E-02	1.25E-09	1,000,000	1.25E-03
443	1.5624E-06	3.5573E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
444	1.5624E-06	3.9477E-06	6.05E-04	2.39E-09	14.00	4.71E-02	1.58E-09	1,000,000	1.58E-03
445	1.5624E-06	4.2361E-06	6.05E-04	2.56E-09	14.00	4.71E-02	1.69E-09	1,000,000	1.69E-03
446	1.5624E-06	4.3698E-06	6.05E-04	2.64E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
447	1.5624E-06	4.3186E-06	6.05E-04	2.61E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
448	1.5624E-06	4.0843E-06	6.05E-04	2.47E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.5624E-06	3.7417E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
450	1.5624E-06	3.3448E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
451	1.5624E-06	2.9239E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
452	1.5624E-06	2.5532E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
453	1.5624E-06	1.2583E-06	6.05E-04	7.61E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
454	1.5624E-06	1.4451E-06	6.05E-04	8.74E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
455	1.5624E-06	1.6692E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.67E-10	1,000,000	6.67E-04
456	1.5624E-06	1.94E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.75E-10	1,000,000	7.75E-04
457	1.5624E-06	2.2786E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.10E-10	1,000,000	9.10E-04
458	1.5624E-06	2.7039E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
459	1.5624E-06	3.2315E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
460	1.5624E-06	3.8659E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
461	1.5624E-06	4.5735E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
462	1.5624E-06	5.2639E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.10E-09	1,000,000	2.10E-03
463	1.5624E-06	5.7965E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.31E-09	1,000,000	2.31E-03
464	1.5624E-06	6.0336E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
465	1.5624E-06	5.9182E-06	6.05E-04	3.58E-09	14.00	4.71E-02	2.36E-09	1,000,000	2.36E-03
466	1.5624E-06	5.4879E-06	6.05E-04	3.32E-09	14.00	4.71E-02	2.19E-09	1,000,000	2.19E-03
467	1.5624E-06	4.8647E-06	6.05E-04	2.94E-09	14.00	4.71E-02	1.94E-09	1,000,000	1.94E-03
468	1.5624E-06	4.1825E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
469	1.5624E-06	3.5461E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
470	1.5624E-06	3.0005E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
471	1.5624E-06	1.2475E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
472	1.5624E-06	1.4867E-06	6.05E-04	9.00E-10	14.00	4.71E-02	5.94E-10	1,000,000	5.94E-04
473	1.5624E-06	1.7729E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.08E-10	1,000,000	7.08E-04
474	1.5624E-06	2.1081E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.42E-10	1,000,000	8.42E-04
475	1.5624E-06	2.5343E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
476	1.5624E-06	7.8324E-06	6.05E-04	4.74E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
477	1.5624E-06	6.5422E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
478	1.5624E-06	5.3718E-06	6.05E-04	3.25E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
479	1.5624E-06	4.3512E-06	6.05E-04	2.63E-09	14.00	4.71E-02	1.74E-09	1,000,000	1.74E-03
480	1.5624E-06	3.539E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
481	1.5624E-06	1.2211E-06	6.05E-04	7.39E-10	14.00	4.71E-02	4.88E-10	1,000,000	4.88E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.5624E-06	1.48E-06	6.05E-04	8.96E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
483	1.5624E-06	1.7587E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.02E-10	1,000,000	7.02E-04
484	1.5624E-06	2.1487E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.58E-10	1,000,000	8.58E-04
485	1.5624E-06	2.7444E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
486	1.5624E-06	1.2215E-05	6.05E-04	7.39E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
487	1.5624E-06	9.3734E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
488	1.5624E-06	7.0047E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
489	1.5624E-06	5.3567E-06	6.05E-04	3.24E-09	14.00	4.71E-02	2.14E-09	1,000,000	2.14E-03
490	1.5624E-06	4.1824E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
491	1.5624E-06	1.1608E-06	6.05E-04	7.02E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
492	1.5624E-06	1.4044E-06	6.05E-04	8.50E-10	14.00	4.71E-02	5.61E-10	1,000,000	5.61E-04
493	1.5624E-06	1.6788E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.70E-10	1,000,000	6.70E-04
494	1.5624E-06	2.0925E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
495	1.5624E-06	2.7297E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
496	1.5624E-06	7.7777E-06	6.05E-04	4.71E-09	14.00	4.71E-02	3.11E-09	1,000,000	3.11E-03
497	1.5624E-06	1.3257E-05	6.05E-04	8.02E-09	14.00	4.71E-02	5.29E-09	1,000,000	5.29E-03
498	1.5624E-06	3.1745E-05	6.05E-04	1.92E-08	14.00	4.71E-02	1.27E-08	1,000,000	1.27E-02
499	1.5624E-06	2.339E-05	6.05E-04	1.42E-08	14.00	4.71E-02	9.34E-09	1,000,000	9.34E-03
500	1.5624E-06	1.4272E-05	6.05E-04	8.64E-09	14.00	4.71E-02	5.70E-09	1,000,000	5.70E-03
501	1.5624E-06	9.372E-06	6.05E-04	5.67E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
502	1.5624E-06	6.6034E-06	6.05E-04	4.00E-09	14.00	4.71E-02	2.64E-09	1,000,000	2.64E-03
503	1.5624E-06	4.9154E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
504	1.5624E-06	1.0676E-06	6.05E-04	6.46E-10	14.00	4.71E-02	4.26E-10	1,000,000	4.26E-04
505	1.5624E-06	1.2558E-06	6.05E-04	7.60E-10	14.00	4.71E-02	5.02E-10	1,000,000	5.02E-04
506	1.5624E-06	1.5976E-06	6.05E-04	9.67E-10	14.00	4.71E-02	6.38E-10	1,000,000	6.38E-04
507	1.5624E-06	1.955E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
508	1.5624E-06	2.6317E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
509	1.5624E-06	3.5375E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
510	1.5624E-06	5.1811E-06	6.05E-04	3.13E-09	14.00	4.71E-02	2.07E-09	1,000,000	2.07E-03
511	1.5624E-06	8.5701E-06	6.05E-04	5.19E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
512	1.5624E-06	1.963E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.84E-09	1,000,000	7.84E-03
513	1.5624E-06	5.594E-05	6.05E-04	3.38E-08	14.00	4.71E-02	2.23E-08	1,000,000	2.23E-02
514	1.5624E-06	9.2271E-05	6.05E-04	5.58E-08	14.00	4.71E-02	3.68E-08	1,000,000	3.68E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.5624E-06	9.8532E-05	6.05E-04	5.96E-08	14.00	4.71E-02	3.93E-08	1,000,000	3.93E-02
516	1.5624E-06	9.9992E-05	6.05E-04	6.05E-08	14.00	4.71E-02	3.99E-08	1,000,000	3.99E-02
517	1.5624E-06	6.6893E-05	6.05E-04	4.05E-08	14.00	4.71E-02	2.67E-08	1,000,000	2.67E-02
518	1.5624E-06	2.2304E-05	6.05E-04	1.35E-08	14.00	4.71E-02	8.91E-09	1,000,000	8.91E-03
519	1.5624E-06	1.2315E-05	6.05E-04	7.45E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
520	1.5624E-06	8.0097E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
521	1.5624E-06	5.6901E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
522	1.5624E-06	9.6124E-07	6.05E-04	5.82E-10	14.00	4.71E-02	3.84E-10	1,000,000	3.84E-04
523	1.5624E-06	1.1658E-06	6.05E-04	7.05E-10	14.00	4.71E-02	4.66E-10	1,000,000	4.66E-04
524	1.5624E-06	1.4351E-06	6.05E-04	8.68E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
525	1.5624E-06	1.7946E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
526	1.5624E-06	2.2386E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.94E-10	1,000,000	8.94E-04
527	1.5624E-06	3.268E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
528	1.5624E-06	4.6971E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
529	1.5624E-06	7.5148E-06	6.05E-04	4.55E-09	14.00	4.71E-02	3.00E-09	1,000,000	3.00E-03
530	1.5624E-06	1.4511E-05	6.05E-04	8.78E-09	14.00	4.71E-02	5.79E-09	1,000,000	5.79E-03
531	1.5624E-06	2.9081E-05	6.05E-04	1.76E-08	14.00	4.71E-02	1.16E-08	1,000,000	1.16E-02
532	1.5624E-06	4.0837E-05	6.05E-04	2.47E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
533	1.5624E-06	4.982E-05	6.05E-04	3.01E-08	14.00	4.71E-02	1.99E-08	1,000,000	1.99E-02
534	1.5624E-06	8.2536E-05	6.05E-04	4.99E-08	14.00	4.71E-02	3.30E-08	1,000,000	3.30E-02
535	1.5624E-06	9.0763E-05	6.05E-04	5.49E-08	14.00	4.71E-02	3.62E-08	1,000,000	3.62E-02
536	1.5624E-06	2.8018E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
537	1.5624E-06	1.4556E-05	6.05E-04	8.81E-09	14.00	4.71E-02	5.81E-09	1,000,000	5.81E-03
538	1.5624E-06	9.115E-06	6.05E-04	5.52E-09	14.00	4.71E-02	3.64E-09	1,000,000	3.64E-03
539	1.5624E-06	6.3021E-06	6.05E-04	3.81E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
540	1.5624E-06	8.621E-07	6.05E-04	5.22E-10	14.00	4.71E-02	3.44E-10	1,000,000	3.44E-04
541	1.5624E-06	1.0399E-06	6.05E-04	6.29E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
542	1.5624E-06	1.2696E-06	6.05E-04	7.68E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
543	1.5624E-06	1.5848E-06	6.05E-04	9.59E-10	14.00	4.71E-02	6.33E-10	1,000,000	6.33E-04
544	1.5624E-06	2.1005E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.39E-10	1,000,000	8.39E-04
545	1.5624E-06	2.7759E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
546	1.5624E-06	3.9836E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
547	1.5624E-06	5.8644E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.5624E-06	9.286E-06	6.05E-04	5.62E-09	14.00	4.71E-02	3.71E-09	1,000,000	3.71E-03
549	1.5624E-06	1.4304E-05	6.05E-04	8.65E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
550	1.5624E-06	2.0636E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.24E-09	1,000,000	8.24E-03
551	1.5624E-06	2.9773E-05	6.05E-04	1.80E-08	14.00	4.71E-02	1.19E-08	1,000,000	1.19E-02
552	1.5624E-06	6.8788E-05	6.05E-04	4.16E-08	14.00	4.71E-02	2.75E-08	1,000,000	2.75E-02
553	1.5624E-06	8.7879E-05	6.05E-04	5.32E-08	14.00	4.71E-02	3.51E-08	1,000,000	3.51E-02
554	1.5624E-06	2.8127E-05	6.05E-04	1.70E-08	14.00	4.71E-02	1.12E-08	1,000,000	1.12E-02
555	1.5624E-06	1.4875E-05	6.05E-04	9.00E-09	14.00	4.71E-02	5.94E-09	1,000,000	5.94E-03
556	1.5624E-06	9.4092E-06	6.05E-04	5.69E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
557	1.5624E-06	6.5348E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
558	1.5624E-06	7.7522E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
559	1.5624E-06	9.3063E-07	6.05E-04	5.63E-10	14.00	4.71E-02	3.72E-10	1,000,000	3.72E-04
560	1.5624E-06	1.0997E-06	6.05E-04	6.65E-10	14.00	4.71E-02	4.39E-10	1,000,000	4.39E-04
561	1.5624E-06	1.3752E-06	6.05E-04	8.32E-10	14.00	4.71E-02	5.49E-10	1,000,000	5.49E-04
562	1.5624E-06	1.7153E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.85E-10	1,000,000	6.85E-04
563	1.5624E-06	2.255E-06	6.05E-04	1.36E-09	14.00	4.71E-02	9.01E-10	1,000,000	9.01E-04
564	1.5624E-06	3.2004E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
565	1.5624E-06	4.4844E-06	6.05E-04	2.71E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
566	1.5624E-06	6.6488E-06	6.05E-04	4.02E-09	14.00	4.71E-02	2.66E-09	1,000,000	2.66E-03
567	1.5624E-06	9.5419E-06	6.05E-04	5.77E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
568	1.5624E-06	1.4091E-05	6.05E-04	8.53E-09	14.00	4.71E-02	5.63E-09	1,000,000	5.63E-03
569	1.5624E-06	2.1693E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.66E-09	1,000,000	8.66E-03
570	1.5624E-06	5.8013E-05	6.05E-04	3.51E-08	14.00	4.71E-02	2.32E-08	1,000,000	2.32E-02
571	1.5624E-06	8.5399E-05	6.05E-04	5.17E-08	14.00	4.71E-02	3.41E-08	1,000,000	3.41E-02
572	1.5624E-06	2.5353E-05	6.05E-04	1.53E-08	14.00	4.71E-02	1.01E-08	1,000,000	1.01E-02
573	1.5624E-06	1.374E-05	6.05E-04	8.31E-09	14.00	4.71E-02	5.49E-09	1,000,000	5.49E-03
574	1.5624E-06	8.9041E-06	6.05E-04	5.39E-09	14.00	4.71E-02	3.56E-09	1,000,000	3.56E-03
575	1.5624E-06	6.3097E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.56E-06	7.3305E-07	2.50E-04	1.83E-10	1.40E+01	1.57E-02	4.04E-11	1.0E+06	4.0E-05	5.8E-04	Res	0.085	241
2	1.5624E-06	7.8779E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.34E-11	1,000,000	4.34E-05	6.3E-04			
3	1.5624E-06	8.469E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.66E-11	1,000,000	4.66E-05	6.7E-04			
4	1.5624E-06	9.0991E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.01E-11	1,000,000	5.01E-05	7.2E-04			
5	1.5624E-06	9.7686E-07	2.50E-04	2.44E-10	14.00	1.57E-02	5.38E-11	1,000,000	5.38E-05	7.8E-04			
6	1.5624E-06	1.0468E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
7	1.5624E-06	1.1174E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			
8	1.5624E-06	1.1873E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.54E-11	1,000,000	6.54E-05	9.5E-04			
9	1.5624E-06	1.2546E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.91E-11	1,000,000	6.91E-05	1.0E-03			
10	1.5624E-06	1.3152E-06	2.50E-04	3.29E-10	14.00	1.57E-02	7.24E-11	1,000,000	7.24E-05	1.0E-03			
11	1.5624E-06	1.3656E-06	2.50E-04	3.42E-10	14.00	1.57E-02	7.52E-11	1,000,000	7.52E-05	1.1E-03			
12	1.5624E-06	1.4034E-06	2.50E-04	3.51E-10	14.00	1.57E-02	7.73E-11	1,000,000	7.73E-05	1.1E-03			
13	1.5624E-06	1.4257E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
14	1.5624E-06	1.4308E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.88E-11	1,000,000	7.88E-05	1.1E-03			
15	1.5624E-06	1.4185E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.81E-11	1,000,000	7.81E-05	1.1E-03			
16	1.5624E-06	1.3885E-06	2.50E-04	3.47E-10	14.00	1.57E-02	7.64E-11	1,000,000	7.64E-05	1.1E-03			
17	1.5624E-06	1.3462E-06	2.50E-04	3.37E-10	14.00	1.57E-02	7.41E-11	1,000,000	7.41E-05	1.1E-03			
18	1.5624E-06	1.2919E-06	2.50E-04	3.23E-10	14.00	1.57E-02	7.11E-11	1,000,000	7.11E-05	1.0E-03			
19	1.5624E-06	1.2278E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
20	1.5624E-06	1.1612E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
21	1.5624E-06	1.0918E-06	2.50E-04	2.73E-10	14.00	1.57E-02	6.01E-11	1,000,000	6.01E-05	8.7E-04			
22	1.5624E-06	1.0211E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04			
23	1.5624E-06	7.8173E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.30E-11	1,000,000	4.30E-05	6.2E-04			
24	1.5624E-06	8.4549E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.66E-11	1,000,000	4.66E-05	6.7E-04			
25	1.5624E-06	9.1529E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.04E-11	1,000,000	5.04E-05	7.3E-04			
26	1.5624E-06	9.9117E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.46E-11	1,000,000	5.46E-05	7.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.5624E-06	1.0727E-06	2.50E-04	2.68E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
28	1.5624E-06	1.16E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
29	1.5624E-06	1.2494E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.88E-11	1,000,000	6.88E-05	1.0E-03			
30	1.5624E-06	1.3408E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.38E-11	1,000,000	7.38E-05	1.1E-03			
31	1.5624E-06	1.4287E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.87E-11	1,000,000	7.87E-05	1.1E-03			
32	1.5624E-06	1.5095E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
33	1.5624E-06	1.5773E-06	2.50E-04	3.95E-10	14.00	1.57E-02	8.68E-11	1,000,000	8.68E-05	1.3E-03			
34	1.5624E-06	1.6302E-06	2.50E-04	4.08E-10	14.00	1.57E-02	8.98E-11	1,000,000	8.98E-05	1.3E-03			
35	1.5624E-06	1.6623E-06	2.50E-04	4.16E-10	14.00	1.57E-02	9.15E-11	1,000,000	9.15E-05	1.3E-03			
36	1.5624E-06	1.671E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.20E-11	1,000,000	9.20E-05	1.3E-03			
37	1.5624E-06	1.6498E-06	2.50E-04	4.13E-10	14.00	1.57E-02	9.08E-11	1,000,000	9.08E-05	1.3E-03			
38	1.5624E-06	1.6089E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.86E-11	1,000,000	8.86E-05	1.3E-03			
39	1.5624E-06	1.5522E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.55E-11	1,000,000	8.55E-05	1.2E-03			
40	1.5624E-06	1.4786E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
41	1.5624E-06	1.3934E-06	2.50E-04	3.49E-10	14.00	1.57E-02	7.67E-11	1,000,000	7.67E-05	1.1E-03			
42	1.5624E-06	1.3031E-06	2.50E-04	3.26E-10	14.00	1.57E-02	7.18E-11	1,000,000	7.18E-05	1.0E-03			
43	1.5624E-06	1.2117E-06	2.50E-04	3.03E-10	14.00	1.57E-02	6.67E-11	1,000,000	6.67E-05	9.7E-04			
44	1.5624E-06	1.129E-06	2.50E-04	2.83E-10	14.00	1.57E-02	6.22E-11	1,000,000	6.22E-05	9.0E-04			
45	1.5624E-06	8.3271E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.58E-11	1,000,000	4.58E-05	6.6E-04			
46	1.5624E-06	9.0677E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.99E-11	1,000,000	4.99E-05	7.2E-04			
47	1.5624E-06	9.8925E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
48	1.5624E-06	1.0806E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.95E-11	1,000,000	5.95E-05	8.6E-04			
49	1.5624E-06	1.1807E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.50E-11	1,000,000	6.50E-05	9.4E-04			
50	1.5624E-06	1.2892E-06	2.50E-04	3.23E-10	14.00	1.57E-02	7.10E-11	1,000,000	7.10E-05	1.0E-03			
51	1.5624E-06	1.4045E-06	2.50E-04	3.52E-10	14.00	1.57E-02	7.73E-11	1,000,000	7.73E-05	1.1E-03			
52	1.5624E-06	1.5235E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.39E-11	1,000,000	8.39E-05	1.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.5624E-06	1.6424E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.04E-11	1,000,000	9.04E-05	1.3E-03			
54	1.5624E-06	1.7524E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.65E-11	1,000,000	9.65E-05	1.4E-03			
55	1.5624E-06	1.848E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
56	1.5624E-06	1.9219E-06	2.50E-04	4.81E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
57	1.5624E-06	1.9665E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
58	1.5624E-06	1.9815E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
59	1.5624E-06	1.951E-06	2.50E-04	4.88E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
60	1.5624E-06	1.8918E-06	2.50E-04	4.73E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
61	1.5624E-06	1.8113E-06	2.50E-04	4.53E-10	14.00	1.57E-02	9.97E-11	1,000,000	9.97E-05	1.4E-03			
62	1.5624E-06	1.7077E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.40E-11	1,000,000	9.40E-05	1.4E-03			
63	1.5624E-06	1.593E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.77E-11	1,000,000	8.77E-05	1.3E-03			
64	1.5624E-06	1.4754E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.12E-11	1,000,000	8.12E-05	1.2E-03			
65	1.5624E-06	1.3609E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.49E-11	1,000,000	7.49E-05	1.1E-03			
66	1.5624E-06	1.2519E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.89E-11	1,000,000	6.89E-05	1.0E-03			
67	1.5624E-06	8.853E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.87E-11	1,000,000	4.87E-05	7.1E-04			
68	1.5624E-06	9.7094E-07	2.50E-04	2.43E-10	14.00	1.57E-02	5.35E-11	1,000,000	5.35E-05	7.7E-04			
69	1.5624E-06	1.0681E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.88E-11	1,000,000	5.88E-05	8.5E-04			
70	1.5624E-06	1.1776E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.48E-11	1,000,000	6.48E-05	9.4E-04			
71	1.5624E-06	1.3007E-06	2.50E-04	3.26E-10	14.00	1.57E-02	7.16E-11	1,000,000	7.16E-05	1.0E-03			
72	1.5624E-06	1.4373E-06	2.50E-04	3.60E-10	14.00	1.57E-02	7.91E-11	1,000,000	7.91E-05	1.1E-03			
73	1.5624E-06	1.5867E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.74E-11	1,000,000	8.74E-05	1.3E-03			
74	1.5624E-06	1.7443E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
75	1.5624E-06	1.9058E-06	2.50E-04	4.77E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
76	1.5624E-06	2.0624E-06	2.50E-04	5.16E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03			
77	1.5624E-06	2.2023E-06	2.50E-04	5.51E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
78	1.5624E-06	2.3138E-06	2.50E-04	5.79E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
79	1.5624E-06	2.3776E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
80	1.5624E-06	2.3916E-06	2.50E-04	5.99E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
81	1.5624E-06	2.3519E-06	2.50E-04	5.89E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
82	1.5624E-06	2.2699E-06	2.50E-04	5.68E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
83	1.5624E-06	2.1443E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
84	1.5624E-06	1.9982E-06	2.50E-04	5.00E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
85	1.5624E-06	1.8305E-06	2.50E-04	4.58E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.5624E-06	1.68E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.25E-11	1,000,000	9.25E-05	1.3E-03			
87	1.5624E-06	1.5293E-06	2.50E-04	3.83E-10	14.00	1.57E-02	8.42E-11	1,000,000	8.42E-05	1.2E-03			
88	1.5624E-06	1.3915E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			
89	1.5624E-06	9.3841E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.17E-11	1,000,000	5.17E-05	7.5E-04			
90	1.5624E-06	1.0368E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.71E-11	1,000,000	5.71E-05	8.3E-04			
91	1.5624E-06	1.1505E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.33E-11	1,000,000	6.33E-05	9.2E-04			
92	1.5624E-06	1.2817E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
93	1.5624E-06	1.4327E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.89E-11	1,000,000	7.89E-05	1.1E-03			
94	1.5624E-06	1.6045E-06	2.50E-04	4.02E-10	14.00	1.57E-02	8.83E-11	1,000,000	8.83E-05	1.3E-03			
95	1.5624E-06	1.7985E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.90E-11	1,000,000	9.90E-05	1.4E-03			
96	1.5624E-06	2.012E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
97	1.5624E-06	2.2392E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
98	1.5624E-06	2.466E-06	2.50E-04	6.17E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
99	1.5624E-06	2.673E-06	2.50E-04	6.69E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
100	1.5624E-06	2.84E-06	2.50E-04	7.11E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
101	1.5624E-06	2.9409E-06	2.50E-04	7.36E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
102	1.5624E-06	2.9616E-06	2.50E-04	7.41E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
103	1.5624E-06	2.9026E-06	2.50E-04	7.26E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
104	1.5624E-06	2.7664E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
105	1.5624E-06	2.583E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
106	1.5624E-06	2.3666E-06	2.50E-04	5.92E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
107	1.5624E-06	2.1402E-06	2.50E-04	5.36E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
108	1.5624E-06	1.9244E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
109	1.5624E-06	1.7248E-06	2.50E-04	4.32E-10	14.00	1.57E-02	9.50E-11	1,000,000	9.50E-05	1.4E-03			
110	1.5624E-06	1.5498E-06	2.50E-04	3.88E-10	14.00	1.57E-02	8.53E-11	1,000,000	8.53E-05	1.2E-03			
111	1.5624E-06	9.9053E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
112	1.5624E-06	1.1028E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
113	1.5624E-06	1.2348E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
114	1.5624E-06	1.3905E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			
115	1.5624E-06	1.5745E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.67E-11	1,000,000	8.67E-05	1.3E-03			
116	1.5624E-06	1.7908E-06	2.50E-04	4.48E-10	14.00	1.57E-02	9.86E-11	1,000,000	9.86E-05	1.4E-03			
117	1.5624E-06	2.0449E-06	2.50E-04	5.12E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
118	1.5624E-06	2.3382E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.5624E-06	2.6636E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
120	1.5624E-06	3.0053E-06	2.50E-04	7.52E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
121	1.5624E-06	3.3327E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.7E-03			
122	1.5624E-06	3.5969E-06	2.50E-04	9.00E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
123	1.5624E-06	3.7616E-06	2.50E-04	9.41E-10	14.00	1.57E-02	2.07E-10	1,000,000	2.07E-04	3.0E-03			
124	1.5624E-06	3.7946E-06	2.50E-04	9.50E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
125	1.5624E-06	3.6915E-06	2.50E-04	9.24E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
126	1.5624E-06	3.4649E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
127	1.5624E-06	3.1711E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
128	1.5624E-06	2.845E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
129	1.5624E-06	2.5162E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
130	1.5624E-06	2.22E-06	2.50E-04	5.56E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
131	1.5624E-06	1.954E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
132	1.5624E-06	1.7279E-06	2.50E-04	4.32E-10	14.00	1.57E-02	9.51E-11	1,000,000	9.51E-05	1.4E-03			
133	1.5624E-06	1.0358E-06	2.50E-04	2.59E-10	14.00	1.57E-02	5.70E-11	1,000,000	5.70E-05	8.3E-04			
134	1.5624E-06	1.1663E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.42E-11	1,000,000	6.42E-05	9.3E-04			
135	1.5624E-06	1.3175E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.25E-11	1,000,000	7.25E-05	1.0E-03			
136	1.5624E-06	1.5004E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.26E-11	1,000,000	8.26E-05	1.2E-03			
137	1.5624E-06	1.7224E-06	2.50E-04	4.31E-10	14.00	1.57E-02	9.48E-11	1,000,000	9.48E-05	1.4E-03			
138	1.5624E-06	1.9942E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
139	1.5624E-06	2.3265E-06	2.50E-04	5.82E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
140	1.5624E-06	2.7318E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
141	1.5624E-06	3.2069E-06	2.50E-04	8.03E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
142	1.5624E-06	3.7434E-06	2.50E-04	9.37E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
143	1.5624E-06	4.2843E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
144	1.5624E-06	4.743E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.61E-10	1,000,000	2.61E-04	3.8E-03			
145	1.5624E-06	5.0314E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
146	1.5624E-06	5.0808E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.80E-10	1,000,000	2.80E-04	4.0E-03			
147	1.5624E-06	4.8885E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.69E-10	1,000,000	2.69E-04	3.9E-03			
148	1.5624E-06	4.488E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
149	1.5624E-06	3.9954E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
150	1.5624E-06	3.467E-06	2.50E-04	8.68E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
151	1.5624E-06	2.9813E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.5624E-06	2.5685E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
153	1.5624E-06	2.2166E-06	2.50E-04	5.55E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
154	1.5624E-06	1.9251E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
155	1.5624E-06	1.0012E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.51E-11	1,000,000	5.51E-05	8.0E-04			
156	1.5624E-06	1.1547E-06	2.50E-04	2.89E-10	14.00	1.57E-02	6.36E-11	1,000,000	6.36E-05	9.2E-04			
157	1.5624E-06	1.3734E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.56E-11	1,000,000	7.56E-05	1.1E-03			
158	1.5624E-06	1.587E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.74E-11	1,000,000	8.74E-05	1.3E-03			
159	1.5624E-06	1.87E-06	2.50E-04	4.68E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
160	1.5624E-06	2.2052E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
161	1.5624E-06	2.6366E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
162	1.5624E-06	3.1943E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
163	1.5624E-06	3.9085E-06	2.50E-04	9.78E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
164	1.5624E-06	4.7829E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
165	1.5624E-06	5.7458E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.16E-10	1,000,000	3.16E-04	4.6E-03			
166	1.5624E-06	6.6209E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.65E-10	1,000,000	3.65E-04	5.3E-03			
167	1.5624E-06	7.178E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.95E-10	1,000,000	3.95E-04	5.7E-03			
168	1.5624E-06	7.2666E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
169	1.5624E-06	6.8687E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.5E-03			
170	1.5624E-06	6.0768E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.8E-03			
171	1.5624E-06	5.1462E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.83E-10	1,000,000	2.83E-04	4.1E-03			
172	1.5624E-06	4.3033E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
173	1.5624E-06	3.5693E-06	2.50E-04	8.93E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.8E-03			
174	1.5624E-06	2.9815E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
175	1.5624E-06	2.5187E-06	2.50E-04	6.30E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
176	1.5624E-06	2.1471E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
177	1.5624E-06	9.8599E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.9E-04			
178	1.5624E-06	1.1581E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
179	1.5624E-06	1.3914E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.66E-11	1,000,000	7.66E-05	1.1E-03			
180	1.5624E-06	1.6716E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.20E-11	1,000,000	9.20E-05	1.3E-03			
181	1.5624E-06	1.9937E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
182	1.5624E-06	2.4038E-06	2.50E-04	6.02E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
183	1.5624E-06	2.9523E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
184	1.5624E-06	1.0507E-05	2.50E-04	2.63E-09	14.00	1.57E-02	5.78E-10	1,000,000	5.78E-04	8.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.5624E-06	8.6801E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.9E-03			
186	1.5624E-06	6.9227E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.81E-10	1,000,000	3.81E-04	5.5E-03			
187	1.5624E-06	5.4196E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.98E-10	1,000,000	2.98E-04	4.3E-03			
188	1.5624E-06	4.2884E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
189	1.5624E-06	3.4651E-06	2.50E-04	8.67E-10	14.00	1.57E-02	1.91E-10	1,000,000	1.91E-04	2.8E-03			
190	1.5624E-06	2.8503E-06	2.50E-04	7.13E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
191	1.5624E-06	2.3819E-06	2.50E-04	5.96E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
192	1.5624E-06	9.4463E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.20E-11	1,000,000	5.20E-05	7.5E-04			
193	1.5624E-06	1.1054E-06	2.50E-04	2.77E-10	14.00	1.57E-02	6.09E-11	1,000,000	6.09E-05	8.8E-04			
194	1.5624E-06	1.3293E-06	2.50E-04	3.33E-10	14.00	1.57E-02	7.32E-11	1,000,000	7.32E-05	1.1E-03			
195	1.5624E-06	1.6098E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.86E-11	1,000,000	8.86E-05	1.3E-03			
196	1.5624E-06	1.9956E-06	2.50E-04	4.99E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
197	1.5624E-06	2.455E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
198	1.5624E-06	3.1816E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
199	1.5624E-06	8.5402E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.70E-10	1,000,000	4.70E-04	6.8E-03			
200	1.5624E-06	1.8898E-05	2.50E-04	4.73E-09	14.00	1.57E-02	1.04E-09	1,000,000	1.04E-03	1.5E-02			
201	1.5624E-06	1.3754E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.1E-02			
202	1.5624E-06	9.5433E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.25E-10	1,000,000	5.25E-04	7.6E-03			
203	1.5624E-06	6.895E-06	2.50E-04	1.73E-09	14.00	1.57E-02	3.80E-10	1,000,000	3.80E-04	5.5E-03			
204	1.5624E-06	5.1677E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
205	1.5624E-06	4.016E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
206	1.5624E-06	3.2128E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
207	1.5624E-06	2.6355E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
208	1.5624E-06	8.8115E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
209	1.5624E-06	1.04E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
210	1.5624E-06	1.203E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.62E-11	1,000,000	6.62E-05	9.6E-04			
211	1.5624E-06	1.4909E-06	2.50E-04	3.73E-10	14.00	1.57E-02	8.21E-11	1,000,000	8.21E-05	1.2E-03			
212	1.5624E-06	1.8303E-06	2.50E-04	4.58E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
213	1.5624E-06	2.339E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
214	1.5624E-06	3.1502E-06	2.50E-04	7.88E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
215	1.5624E-06	4.3549E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
216	1.5624E-06	6.6511E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
217	1.5624E-06	1.1376E-05	2.50E-04	2.85E-09	14.00	1.57E-02	6.26E-10	1,000,000	6.26E-04	9.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.5624E-06	6.5498E-05	2.50E-04	1.64E-08	14.00	1.57E-02	3.61E-09	1,000,000	3.61E-03	5.2E-02			
219	1.5624E-06	5.492E-05	2.50E-04	1.37E-08	14.00	1.57E-02	3.02E-09	1,000,000	3.02E-03	4.4E-02			
220	1.5624E-06	2.499E-05	2.50E-04	6.25E-09	14.00	1.57E-02	1.38E-09	1,000,000	1.38E-03	2.0E-02			
221	1.5624E-06	1.3686E-05	2.50E-04	3.43E-09	14.00	1.57E-02	7.54E-10	1,000,000	7.54E-04	1.1E-02			
222	1.5624E-06	8.7968E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.84E-10	1,000,000	4.84E-04	7.0E-03			
223	1.5624E-06	6.1866E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
224	1.5624E-06	4.6144E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
225	1.5624E-06	3.5893E-06	2.50E-04	8.98E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
226	1.5624E-06	2.8871E-06	2.50E-04	7.23E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
227	1.5624E-06	8.0682E-07	2.50E-04	2.02E-10	14.00	1.57E-02	4.44E-11	1,000,000	4.44E-05	6.4E-04			
228	1.5624E-06	9.3704E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.16E-11	1,000,000	5.16E-05	7.5E-04			
229	1.5624E-06	1.1021E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
230	1.5624E-06	1.3376E-06	2.50E-04	3.35E-10	14.00	1.57E-02	7.36E-11	1,000,000	7.36E-05	1.1E-03			
231	1.5624E-06	1.6719E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.21E-11	1,000,000	9.21E-05	1.3E-03			
232	1.5624E-06	2.0936E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
233	1.5624E-06	2.9092E-06	2.50E-04	7.28E-10	14.00	1.57E-02	1.60E-10	1,000,000	1.60E-04	2.3E-03			
234	1.5624E-06	4.0764E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
235	1.5624E-06	6.3257E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
236	1.5624E-06	1.165E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
237	1.5624E-06	3.4802E-05	2.50E-04	8.71E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
238	1.5624E-06	7.9579E-05	2.50E-04	1.99E-08	14.00	1.57E-02	4.38E-09	1,000,000	4.38E-03	6.3E-02			
239	1.5624E-06	8.9507E-05	2.50E-04	2.24E-08	14.00	1.57E-02	4.93E-09	1,000,000	4.93E-03	7.1E-02			
240	1.5624E-06	9.7588E-05	2.50E-04	2.44E-08	14.00	1.57E-02	5.37E-09	1,000,000	5.37E-03	7.8E-02			
241	1.5624E-06	0.00010719	2.50E-04	2.68E-08	14.00	1.57E-02	5.90E-09	1,000,000	5.90E-03	8.5E-02			
242	1.5624E-06	4.2148E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.32E-09	1,000,000	2.32E-03	3.4E-02			
243	1.5624E-06	1.8239E-05	2.50E-04	4.56E-09	14.00	1.57E-02	1.00E-09	1,000,000	1.00E-03	1.5E-02			
244	1.5624E-06	1.0691E-05	2.50E-04	2.68E-09	14.00	1.57E-02	5.89E-10	1,000,000	5.89E-04	8.5E-03			
245	1.5624E-06	7.1553E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.7E-03			
246	1.5624E-06	5.1724E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
247	1.5624E-06	3.9393E-06	2.50E-04	9.86E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
248	1.5624E-06	3.1196E-06	2.50E-04	7.81E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
249	1.5624E-06	7.3938E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
250	1.5624E-06	8.4968E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.5624E-06	9.8927E-07	2.50E-04	2.48E-10	14.00	1.57E-02	5.45E-11	1,000,000	5.45E-05	7.9E-04			
252	1.5624E-06	1.2049E-06	2.50E-04	3.02E-10	14.00	1.57E-02	6.63E-11	1,000,000	6.63E-05	9.6E-04			
253	1.5624E-06	1.4803E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
254	1.5624E-06	1.9529E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
255	1.5624E-06	2.5727E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
256	1.5624E-06	3.7283E-06	2.50E-04	9.33E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
257	1.5624E-06	5.3741E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
258	1.5624E-06	8.4281E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.64E-10	1,000,000	4.64E-04	6.7E-03			
259	1.5624E-06	1.4961E-05	2.50E-04	3.74E-09	14.00	1.57E-02	8.24E-10	1,000,000	8.24E-04	1.2E-02			
260	1.5624E-06	2.3286E-05	2.50E-04	5.83E-09	14.00	1.57E-02	1.28E-09	1,000,000	1.28E-03	1.9E-02			
261	1.5624E-06	3.0992E-05	2.50E-04	7.76E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
262	1.5624E-06	4.6175E-05	2.50E-04	1.16E-08	14.00	1.57E-02	2.54E-09	1,000,000	2.54E-03	3.7E-02			
263	1.5624E-06	8.9519E-05	2.50E-04	2.24E-08	14.00	1.57E-02	4.93E-09	1,000,000	4.93E-03	7.1E-02			
264	1.5624E-06	4.4816E-05	2.50E-04	1.12E-08	14.00	1.57E-02	2.47E-09	1,000,000	2.47E-03	3.6E-02			
265	1.5624E-06	2.0031E-05	2.50E-04	5.01E-09	14.00	1.57E-02	1.10E-09	1,000,000	1.10E-03	1.6E-02			
266	1.5624E-06	1.1655E-05	2.50E-04	2.92E-09	14.00	1.57E-02	6.42E-10	1,000,000	6.42E-04	9.3E-03			
267	1.5624E-06	7.7187E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.25E-10	1,000,000	4.25E-04	6.1E-03			
268	1.5624E-06	5.5239E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.04E-10	1,000,000	3.04E-04	4.4E-03			
269	1.5624E-06	4.1715E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
270	1.5624E-06	3.2794E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
271	1.5624E-06	6.583E-07	2.50E-04	1.65E-10	14.00	1.57E-02	3.62E-11	1,000,000	3.62E-05	5.2E-04			
272	1.5624E-06	7.5156E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.14E-11	1,000,000	4.14E-05	6.0E-04			
273	1.5624E-06	8.8315E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
274	1.5624E-06	1.0558E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
275	1.5624E-06	1.2967E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.14E-11	1,000,000	7.14E-05	1.0E-03			
276	1.5624E-06	1.6718E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.20E-11	1,000,000	9.20E-05	1.3E-03			
277	1.5624E-06	2.2018E-06	2.50E-04	5.51E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
278	1.5624E-06	2.9536E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
279	1.5624E-06	4.2549E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
280	1.5624E-06	6.2583E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
281	1.5624E-06	9.3913E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.17E-10	1,000,000	5.17E-04	7.5E-03			
282	1.5624E-06	1.4008E-05	2.50E-04	3.51E-09	14.00	1.57E-02	7.71E-10	1,000,000	7.71E-04	1.1E-02			
283	1.5624E-06	2.0306E-05	2.50E-04	5.08E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.5624E-06	3.5224E-05	2.50E-04	8.82E-09	14.00	1.57E-02	1.94E-09	1,000,000	1.94E-03	2.8E-02			
285	1.5624E-06	8.3485E-05	2.50E-04	2.09E-08	14.00	1.57E-02	4.60E-09	1,000,000	4.60E-03	6.6E-02			
286	1.5624E-06	4.2482E-05	2.50E-04	1.06E-08	14.00	1.57E-02	2.34E-09	1,000,000	2.34E-03	3.4E-02			
287	1.5624E-06	1.9215E-05	2.50E-04	4.81E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
288	1.5624E-06	1.1424E-05	2.50E-04	2.86E-09	14.00	1.57E-02	6.29E-10	1,000,000	6.29E-04	9.1E-03			
289	1.5624E-06	7.6819E-06	2.50E-04	1.92E-09	14.00	1.57E-02	4.23E-10	1,000,000	4.23E-04	6.1E-03			
290	1.5624E-06	5.5486E-06	2.50E-04	1.39E-09	14.00	1.57E-02	3.06E-10	1,000,000	3.06E-04	4.4E-03			
291	1.5624E-06	4.2198E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
292	1.5624E-06	3.3285E-06	2.50E-04	8.33E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.7E-03			
293	1.5624E-06	5.9253E-07	2.50E-04	1.48E-10	14.00	1.57E-02	3.26E-11	1,000,000	3.26E-05	4.7E-04			
294	1.5624E-06	6.794E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.74E-11	1,000,000	3.74E-05	5.4E-04			
295	1.5624E-06	7.8942E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.35E-11	1,000,000	4.35E-05	6.3E-04			
296	1.5624E-06	9.259E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.10E-11	1,000,000	5.10E-05	7.4E-04			
297	1.5624E-06	1.1418E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.29E-11	1,000,000	6.29E-05	9.1E-04			
298	1.5624E-06	1.4277E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.86E-11	1,000,000	7.86E-05	1.1E-03			
299	1.5624E-06	1.8423E-06	2.50E-04	4.61E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
300	1.5624E-06	2.5057E-06	2.50E-04	6.27E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
301	1.5624E-06	3.2921E-06	2.50E-04	8.24E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
302	1.5624E-06	4.7628E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.62E-10	1,000,000	2.62E-04	3.8E-03			
303	1.5624E-06	6.7968E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
304	1.5624E-06	9.8557E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.43E-10	1,000,000	5.43E-04	7.9E-03			
305	1.5624E-06	1.4528E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.00E-10	1,000,000	8.00E-04	1.2E-02			
306	1.5624E-06	2.7139E-05	2.50E-04	6.79E-09	14.00	1.57E-02	1.49E-09	1,000,000	1.49E-03	2.2E-02			
307	1.5624E-06	7.3208E-05	2.50E-04	1.83E-08	14.00	1.57E-02	4.03E-09	1,000,000	4.03E-03	5.8E-02			
308	1.5624E-06	3.5871E-05	2.50E-04	8.98E-09	14.00	1.57E-02	1.98E-09	1,000,000	1.98E-03	2.9E-02			
309	1.5624E-06	1.6434E-05	2.50E-04	4.11E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
310	1.5624E-06	1.0165E-05	2.50E-04	2.54E-09	14.00	1.57E-02	5.60E-10	1,000,000	5.60E-04	8.1E-03			
311	1.5624E-06	7.0669E-06	2.50E-04	1.77E-09	14.00	1.57E-02	3.89E-10	1,000,000	3.89E-04	5.6E-03			
312	1.5624E-06	5.2406E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.89E-10	1,000,000	2.89E-04	4.2E-03			
313	1.5624E-06	4.059E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
314	1.5624E-06	3.2447E-06	2.50E-04	8.12E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
315	1.5624E-06	5.2459E-07	2.50E-04	1.31E-10	14.00	1.57E-02	2.89E-11	1,000,000	2.89E-05	4.2E-04			
316	1.5624E-06	6.0243E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.32E-11	1,000,000	3.32E-05	4.8E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.5624E-06	6.9657E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.84E-11	1,000,000	3.84E-05	5.5E-04			
318	1.5624E-06	8.1317E-07	2.50E-04	2.04E-10	14.00	1.57E-02	4.48E-11	1,000,000	4.48E-05	6.5E-04			
319	1.5624E-06	9.5719E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
320	1.5624E-06	1.2308E-06	2.50E-04	3.08E-10	14.00	1.57E-02	6.78E-11	1,000,000	6.78E-05	9.8E-04			
321	1.5624E-06	1.5257E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.40E-11	1,000,000	8.40E-05	1.2E-03			
322	1.5624E-06	1.9796E-06	2.50E-04	4.95E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
323	1.5624E-06	2.6858E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
324	1.5624E-06	3.6331E-06	2.50E-04	9.09E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
325	1.5624E-06	5.0565E-06	2.50E-04	1.27E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
326	1.5624E-06	7.1016E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
327	1.5624E-06	1.0845E-05	2.50E-04	2.71E-09	14.00	1.57E-02	5.97E-10	1,000,000	5.97E-04	8.6E-03			
328	1.5624E-06	1.593E-05	2.50E-04	3.99E-09	14.00	1.57E-02	8.77E-10	1,000,000	8.77E-04	1.3E-02			
329	1.5624E-06	3.2813E-05	2.50E-04	8.21E-09	14.00	1.57E-02	1.81E-09	1,000,000	1.81E-03	2.6E-02			
330	1.5624E-06	1.9727E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
331	1.5624E-06	1.1758E-05	2.50E-04	2.94E-09	14.00	1.57E-02	6.47E-10	1,000,000	6.47E-04	9.4E-03			
332	1.5624E-06	8.1674E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.50E-10	1,000,000	4.50E-04	6.5E-03			
333	1.5624E-06	6.0848E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.35E-10	1,000,000	3.35E-04	4.8E-03			
334	1.5624E-06	4.6848E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.58E-10	1,000,000	2.58E-04	3.7E-03			
335	1.5624E-06	3.7277E-06	2.50E-04	9.33E-10	14.00	1.57E-02	2.05E-10	1,000,000	2.05E-04	3.0E-03			
336	1.5624E-06	3.0419E-06	2.50E-04	7.61E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
337	1.5624E-06	4.7924E-07	2.50E-04	1.20E-10	14.00	1.57E-02	2.64E-11	1,000,000	2.64E-05	3.8E-04			
338	1.5624E-06	5.4345E-07	2.50E-04	1.36E-10	14.00	1.57E-02	2.99E-11	1,000,000	2.99E-05	4.3E-04			
339	1.5624E-06	6.1537E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.39E-11	1,000,000	3.39E-05	4.9E-04			
340	1.5624E-06	7.246E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.99E-11	1,000,000	3.99E-05	5.8E-04			
341	1.5624E-06	8.4429E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.65E-11	1,000,000	4.65E-05	6.7E-04			
342	1.5624E-06	1.0565E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.82E-11	1,000,000	5.82E-05	8.4E-04			
343	1.5624E-06	1.273E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.01E-11	1,000,000	7.01E-05	1.0E-03			
344	1.5624E-06	1.6179E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.91E-11	1,000,000	8.91E-05	1.3E-03			
345	1.5624E-06	2.1036E-06	2.50E-04	5.26E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
346	1.5624E-06	2.8367E-06	2.50E-04	7.10E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
347	1.5624E-06	3.693E-06	2.50E-04	9.24E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
348	1.5624E-06	4.9968E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	4.0E-03			
349	1.5624E-06	5.9486E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.28E-10	1,000,000	3.28E-04	4.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.5624E-06	7.9925E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.40E-10	1,000,000	4.40E-04	6.4E-03			
351	1.5624E-06	9.6946E-06	2.50E-04	2.43E-09	14.00	1.57E-02	5.34E-10	1,000,000	5.34E-04	7.7E-03			
352	1.5624E-06	8.8115E-06	2.50E-04	2.21E-09	14.00	1.57E-02	4.85E-10	1,000,000	4.85E-04	7.0E-03			
353	1.5624E-06	7.4403E-06	2.50E-04	1.86E-09	14.00	1.57E-02	4.10E-10	1,000,000	4.10E-04	5.9E-03			
354	1.5624E-06	5.9433E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.27E-10	1,000,000	3.27E-04	4.7E-03			
355	1.5624E-06	4.8568E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
356	1.5624E-06	4.0042E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
357	1.5624E-06	3.3269E-06	2.50E-04	8.33E-10	14.00	1.57E-02	1.83E-10	1,000,000	1.83E-04	2.6E-03			
358	1.5624E-06	2.7944E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
359	1.5624E-06	4.2947E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.36E-11	1,000,000	2.36E-05	3.4E-04			
360	1.5624E-06	4.8777E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.69E-11	1,000,000	2.69E-05	3.9E-04			
361	1.5624E-06	5.5351E-07	2.50E-04	1.39E-10	14.00	1.57E-02	3.05E-11	1,000,000	3.05E-05	4.4E-04			
362	1.5624E-06	6.3455E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.49E-11	1,000,000	3.49E-05	5.1E-04			
363	1.5624E-06	7.2888E-07	2.50E-04	1.82E-10	14.00	1.57E-02	4.01E-11	1,000,000	4.01E-05	5.8E-04			
364	1.5624E-06	8.776E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.83E-11	1,000,000	4.83E-05	7.0E-04			
365	1.5624E-06	1.0683E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.88E-11	1,000,000	5.88E-05	8.5E-04			
366	1.5624E-06	1.3312E-06	2.50E-04	3.33E-10	14.00	1.57E-02	7.33E-11	1,000,000	7.33E-05	1.1E-03			
367	1.5624E-06	1.7227E-06	2.50E-04	4.31E-10	14.00	1.57E-02	9.49E-11	1,000,000	9.49E-05	1.4E-03			
368	1.5624E-06	2.1742E-06	2.50E-04	5.44E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
369	1.5624E-06	2.6693E-06	2.50E-04	6.68E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
370	1.5624E-06	3.194E-06	2.50E-04	7.99E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
371	1.5624E-06	3.9385E-06	2.50E-04	9.86E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
372	1.5624E-06	4.6458E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
373	1.5624E-06	4.9495E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	3.9E-03			
374	1.5624E-06	4.7764E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
375	1.5624E-06	4.6565E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.56E-10	1,000,000	2.56E-04	3.7E-03			
376	1.5624E-06	4.1424E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
377	1.5624E-06	3.6848E-06	2.50E-04	9.22E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
378	1.5624E-06	3.2794E-06	2.50E-04	8.21E-10	14.00	1.57E-02	1.81E-10	1,000,000	1.81E-04	2.6E-03			
379	1.5624E-06	2.8465E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
380	1.5624E-06	2.4814E-06	2.50E-04	6.21E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
381	1.5624E-06	9.8225E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
382	1.5624E-06	1.0769E-06	2.50E-04	2.70E-10	14.00	1.57E-02	5.93E-11	1,000,000	5.93E-05	8.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.5624E-06	1.1824E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.51E-11	1,000,000	6.51E-05	9.4E-04			
384	1.5624E-06	1.2989E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
385	1.5624E-06	1.4258E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.85E-11	1,000,000	7.85E-05	1.1E-03			
386	1.5624E-06	1.5601E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.59E-11	1,000,000	8.59E-05	1.2E-03			
387	1.5624E-06	1.6973E-06	2.50E-04	4.25E-10	14.00	1.57E-02	9.35E-11	1,000,000	9.35E-05	1.4E-03			
388	1.5624E-06	1.8329E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
389	1.5624E-06	1.9576E-06	2.50E-04	4.90E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
390	1.5624E-06	2.0614E-06	2.50E-04	5.16E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.6E-03			
391	1.5624E-06	2.1337E-06	2.50E-04	5.34E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
392	1.5624E-06	2.1673E-06	2.50E-04	5.42E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
393	1.5624E-06	2.1574E-06	2.50E-04	5.40E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
394	1.5624E-06	2.1083E-06	2.50E-04	5.28E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
395	1.5624E-06	2.0185E-06	2.50E-04	5.05E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
396	1.5624E-06	1.904E-06	2.50E-04	4.77E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
397	1.5624E-06	1.7746E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.77E-11	1,000,000	9.77E-05	1.4E-03			
398	1.5624E-06	1.6379E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
399	1.5624E-06	1.0546E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.81E-11	1,000,000	5.81E-05	8.4E-04			
400	1.5624E-06	1.167E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.43E-11	1,000,000	6.43E-05	9.3E-04			
401	1.5624E-06	1.2952E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.13E-11	1,000,000	7.13E-05	1.0E-03			
402	1.5624E-06	1.4399E-06	2.50E-04	3.60E-10	14.00	1.57E-02	7.93E-11	1,000,000	7.93E-05	1.1E-03			
403	1.5624E-06	1.6013E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.82E-11	1,000,000	8.82E-05	1.3E-03			
404	1.5624E-06	1.7772E-06	2.50E-04	4.45E-10	14.00	1.57E-02	9.79E-11	1,000,000	9.79E-05	1.4E-03			
405	1.5624E-06	1.9646E-06	2.50E-04	4.92E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
406	1.5624E-06	2.1555E-06	2.50E-04	5.39E-10	14.00	1.57E-02	1.19E-10	1,000,000	1.19E-04	1.7E-03			
407	1.5624E-06	2.3364E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
408	1.5624E-06	2.493E-06	2.50E-04	6.24E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
409	1.5624E-06	2.6028E-06	2.50E-04	6.51E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
410	1.5624E-06	2.65E-06	2.50E-04	6.63E-10	14.00	1.57E-02	1.46E-10	1,000,000	1.46E-04	2.1E-03			
411	1.5624E-06	2.6356E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
412	1.5624E-06	2.5604E-06	2.50E-04	6.41E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
413	1.5624E-06	2.4266E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
414	1.5624E-06	2.2591E-06	2.50E-04	5.65E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
415	1.5624E-06	2.0727E-06	2.50E-04	5.19E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.5624E-06	1.8782E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
417	1.5624E-06	1.129E-06	2.50E-04	2.83E-10	14.00	1.57E-02	6.22E-11	1,000,000	6.22E-05	9.0E-04			
418	1.5624E-06	1.2614E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.95E-11	1,000,000	6.95E-05	1.0E-03			
419	1.5624E-06	1.4159E-06	2.50E-04	3.54E-10	14.00	1.57E-02	7.80E-11	1,000,000	7.80E-05	1.1E-03			
420	1.5624E-06	1.5953E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.78E-11	1,000,000	8.78E-05	1.3E-03			
421	1.5624E-06	1.8024E-06	2.50E-04	4.51E-10	14.00	1.57E-02	9.92E-11	1,000,000	9.92E-05	1.4E-03			
422	1.5624E-06	2.0389E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
423	1.5624E-06	2.3008E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
424	1.5624E-06	2.5772E-06	2.50E-04	6.45E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
425	1.5624E-06	2.8466E-06	2.50E-04	7.12E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
426	1.5624E-06	3.0874E-06	2.50E-04	7.73E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
427	1.5624E-06	3.2573E-06	2.50E-04	8.15E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
428	1.5624E-06	3.3379E-06	2.50E-04	8.35E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
429	1.5624E-06	3.3117E-06	2.50E-04	8.29E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
430	1.5624E-06	3.181E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
431	1.5624E-06	2.9729E-06	2.50E-04	7.44E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
432	1.5624E-06	2.7189E-06	2.50E-04	6.80E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
433	1.5624E-06	2.457E-06	2.50E-04	6.15E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
434	1.5624E-06	2.1874E-06	2.50E-04	5.47E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
435	1.5624E-06	1.2027E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.62E-11	1,000,000	6.62E-05	9.6E-04			
436	1.5624E-06	1.3572E-06	2.50E-04	3.40E-10	14.00	1.57E-02	7.47E-11	1,000,000	7.47E-05	1.1E-03			
437	1.5624E-06	1.5421E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.49E-11	1,000,000	8.49E-05	1.2E-03			
438	1.5624E-06	1.7635E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
439	1.5624E-06	2.0298E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
440	1.5624E-06	2.3468E-06	2.50E-04	5.87E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
441	1.5624E-06	2.7162E-06	2.50E-04	6.80E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
442	1.5624E-06	3.1291E-06	2.50E-04	7.83E-10	14.00	1.57E-02	1.72E-10	1,000,000	1.72E-04	2.5E-03			
443	1.5624E-06	3.5573E-06	2.50E-04	8.90E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
444	1.5624E-06	3.9477E-06	2.50E-04	9.88E-10	14.00	1.57E-02	2.17E-10	1,000,000	2.17E-04	3.1E-03			
445	1.5624E-06	4.2361E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.33E-10	1,000,000	2.33E-04	3.4E-03			
446	1.5624E-06	4.3698E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.41E-10	1,000,000	2.41E-04	3.5E-03			
447	1.5624E-06	4.3186E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
448	1.5624E-06	4.0843E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.5624E-06	3.7417E-06	2.50E-04	9.36E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
450	1.5624E-06	3.3448E-06	2.50E-04	8.37E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
451	1.5624E-06	2.9239E-06	2.50E-04	7.32E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
452	1.5624E-06	2.5532E-06	2.50E-04	6.39E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
453	1.5624E-06	1.2583E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
454	1.5624E-06	1.4451E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.96E-11	1,000,000	7.96E-05	1.2E-03			
455	1.5624E-06	1.6692E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			
456	1.5624E-06	1.94E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
457	1.5624E-06	2.2786E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
458	1.5624E-06	2.7039E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
459	1.5624E-06	3.2315E-06	2.50E-04	8.09E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
460	1.5624E-06	3.8659E-06	2.50E-04	9.68E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
461	1.5624E-06	4.5735E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
462	1.5624E-06	5.2639E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
463	1.5624E-06	5.7965E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.19E-10	1,000,000	3.19E-04	4.6E-03			
464	1.5624E-06	6.0336E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
465	1.5624E-06	5.9182E-06	2.50E-04	1.48E-09	14.00	1.57E-02	3.26E-10	1,000,000	3.26E-04	4.7E-03			
466	1.5624E-06	5.4879E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.02E-10	1,000,000	3.02E-04	4.4E-03			
467	1.5624E-06	4.8647E-06	2.50E-04	1.22E-09	14.00	1.57E-02	2.68E-10	1,000,000	2.68E-04	3.9E-03			
468	1.5624E-06	4.1825E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
469	1.5624E-06	3.5461E-06	2.50E-04	8.88E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
470	1.5624E-06	3.0005E-06	2.50E-04	7.51E-10	14.00	1.57E-02	1.65E-10	1,000,000	1.65E-04	2.4E-03			
471	1.5624E-06	1.2475E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
472	1.5624E-06	1.4867E-06	2.50E-04	3.72E-10	14.00	1.57E-02	8.19E-11	1,000,000	8.19E-05	1.2E-03			
473	1.5624E-06	1.7729E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.76E-11	1,000,000	9.76E-05	1.4E-03			
474	1.5624E-06	2.1081E-06	2.50E-04	5.28E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
475	1.5624E-06	2.5343E-06	2.50E-04	6.34E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
476	1.5624E-06	7.8324E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.2E-03			
477	1.5624E-06	6.5422E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
478	1.5624E-06	5.3718E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.96E-10	1,000,000	2.96E-04	4.3E-03			
479	1.5624E-06	4.3512E-06	2.50E-04	1.09E-09	14.00	1.57E-02	2.40E-10	1,000,000	2.40E-04	3.5E-03			
480	1.5624E-06	3.539E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
481	1.5624E-06	1.2211E-06	2.50E-04	3.06E-10	14.00	1.57E-02	6.72E-11	1,000,000	6.72E-05	9.7E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.5624E-06	1.48E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.15E-11	1,000,000	8.15E-05	1.2E-03			
483	1.5624E-06	1.7587E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.68E-11	1,000,000	9.68E-05	1.4E-03			
484	1.5624E-06	2.1487E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
485	1.5624E-06	2.7444E-06	2.50E-04	6.87E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
486	1.5624E-06	1.2215E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.73E-10	1,000,000	6.73E-04	9.7E-03			
487	1.5624E-06	9.3734E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
488	1.5624E-06	7.0047E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
489	1.5624E-06	5.3567E-06	2.50E-04	1.34E-09	14.00	1.57E-02	2.95E-10	1,000,000	2.95E-04	4.3E-03			
490	1.5624E-06	4.1824E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
491	1.5624E-06	1.1608E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
492	1.5624E-06	1.4044E-06	2.50E-04	3.51E-10	14.00	1.57E-02	7.73E-11	1,000,000	7.73E-05	1.1E-03			
493	1.5624E-06	1.6788E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.24E-11	1,000,000	9.24E-05	1.3E-03			
494	1.5624E-06	2.0925E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
495	1.5624E-06	2.7297E-06	2.50E-04	6.83E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
496	1.5624E-06	7.7777E-06	2.50E-04	1.95E-09	14.00	1.57E-02	4.28E-10	1,000,000	4.28E-04	6.2E-03			
497	1.5624E-06	1.3257E-05	2.50E-04	3.32E-09	14.00	1.57E-02	7.30E-10	1,000,000	7.30E-04	1.1E-02			
498	1.5624E-06	3.1745E-05	2.50E-04	7.94E-09	14.00	1.57E-02	1.75E-09	1,000,000	1.75E-03	2.5E-02			
499	1.5624E-06	2.339E-05	2.50E-04	5.85E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
500	1.5624E-06	1.4272E-05	2.50E-04	3.57E-09	14.00	1.57E-02	7.86E-10	1,000,000	7.86E-04	1.1E-02			
501	1.5624E-06	9.372E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.16E-10	1,000,000	5.16E-04	7.5E-03			
502	1.5624E-06	6.6034E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.64E-10	1,000,000	3.64E-04	5.3E-03			
503	1.5624E-06	4.9154E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
504	1.5624E-06	1.0676E-06	2.50E-04	2.67E-10	14.00	1.57E-02	5.88E-11	1,000,000	5.88E-05	8.5E-04			
505	1.5624E-06	1.2558E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.91E-11	1,000,000	6.91E-05	1.0E-03			
506	1.5624E-06	1.5976E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.80E-11	1,000,000	8.80E-05	1.3E-03			
507	1.5624E-06	1.955E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
508	1.5624E-06	2.6317E-06	2.50E-04	6.59E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
509	1.5624E-06	3.5375E-06	2.50E-04	8.85E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
510	1.5624E-06	5.1811E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.85E-10	1,000,000	2.85E-04	4.1E-03			
511	1.5624E-06	8.5701E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.72E-10	1,000,000	4.72E-04	6.8E-03			
512	1.5624E-06	1.963E-05	2.50E-04	4.91E-09	14.00	1.57E-02	1.08E-09	1,000,000	1.08E-03	1.6E-02			
513	1.5624E-06	5.594E-05	2.50E-04	1.40E-08	14.00	1.57E-02	3.08E-09	1,000,000	3.08E-03	4.5E-02			
514	1.5624E-06	9.2271E-05	2.50E-04	2.31E-08	14.00	1.57E-02	5.08E-09	1,000,000	5.08E-03	7.3E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.5624E-06	9.8532E-05	2.50E-04	2.47E-08	14.00	1.57E-02	5.43E-09	1,000,000	5.43E-03	7.8E-02			
516	1.5624E-06	9.9992E-05	2.50E-04	2.50E-08	14.00	1.57E-02	5.51E-09	1,000,000	5.51E-03	8.0E-02			
517	1.5624E-06	6.6893E-05	2.50E-04	1.67E-08	14.00	1.57E-02	3.68E-09	1,000,000	3.68E-03	5.3E-02			
518	1.5624E-06	2.2304E-05	2.50E-04	5.58E-09	14.00	1.57E-02	1.23E-09	1,000,000	1.23E-03	1.8E-02			
519	1.5624E-06	1.2315E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
520	1.5624E-06	8.0097E-06	2.50E-04	2.00E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
521	1.5624E-06	5.6901E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
522	1.5624E-06	9.6124E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.29E-11	1,000,000	5.29E-05	7.7E-04			
523	1.5624E-06	1.1658E-06	2.50E-04	2.92E-10	14.00	1.57E-02	6.42E-11	1,000,000	6.42E-05	9.3E-04			
524	1.5624E-06	1.4351E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
525	1.5624E-06	1.7946E-06	2.50E-04	4.49E-10	14.00	1.57E-02	9.88E-11	1,000,000	9.88E-05	1.4E-03			
526	1.5624E-06	2.2386E-06	2.50E-04	5.60E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			
527	1.5624E-06	3.268E-06	2.50E-04	8.18E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
528	1.5624E-06	4.6971E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
529	1.5624E-06	7.5148E-06	2.50E-04	1.88E-09	14.00	1.57E-02	4.14E-10	1,000,000	4.14E-04	6.0E-03			
530	1.5624E-06	1.4511E-05	2.50E-04	3.63E-09	14.00	1.57E-02	7.99E-10	1,000,000	7.99E-04	1.2E-02			
531	1.5624E-06	2.9081E-05	2.50E-04	7.28E-09	14.00	1.57E-02	1.60E-09	1,000,000	1.60E-03	2.3E-02			
532	1.5624E-06	4.0837E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.25E-09	1,000,000	2.25E-03	3.3E-02			
533	1.5624E-06	4.982E-05	2.50E-04	1.25E-08	14.00	1.57E-02	2.74E-09	1,000,000	2.74E-03	4.0E-02			
534	1.5624E-06	8.2536E-05	2.50E-04	2.07E-08	14.00	1.57E-02	4.54E-09	1,000,000	4.54E-03	6.6E-02			
535	1.5624E-06	9.0763E-05	2.50E-04	2.27E-08	14.00	1.57E-02	5.00E-09	1,000,000	5.00E-03	7.2E-02			
536	1.5624E-06	2.8018E-05	2.50E-04	7.01E-09	14.00	1.57E-02	1.54E-09	1,000,000	1.54E-03	2.2E-02			
537	1.5624E-06	1.4556E-05	2.50E-04	3.64E-09	14.00	1.57E-02	8.01E-10	1,000,000	8.01E-04	1.2E-02			
538	1.5624E-06	9.115E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.02E-10	1,000,000	5.02E-04	7.3E-03			
539	1.5624E-06	6.3021E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			
540	1.5624E-06	8.621E-07	2.50E-04	2.16E-10	14.00	1.57E-02	4.75E-11	1,000,000	4.75E-05	6.9E-04			
541	1.5624E-06	1.0399E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.73E-11	1,000,000	5.73E-05	8.3E-04			
542	1.5624E-06	1.2696E-06	2.50E-04	3.18E-10	14.00	1.57E-02	6.99E-11	1,000,000	6.99E-05	1.0E-03			
543	1.5624E-06	1.5848E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.73E-11	1,000,000	8.73E-05	1.3E-03			
544	1.5624E-06	2.1005E-06	2.50E-04	5.26E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
545	1.5624E-06	2.7759E-06	2.50E-04	6.95E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
546	1.5624E-06	3.9836E-06	2.50E-04	9.97E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
547	1.5624E-06	5.8644E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.5624E-06	9.286E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.11E-10	1,000,000	5.11E-04	7.4E-03			
549	1.5624E-06	1.4304E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.88E-10	1,000,000	7.88E-04	1.1E-02			
550	1.5624E-06	2.0636E-05	2.50E-04	5.16E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
551	1.5624E-06	2.9773E-05	2.50E-04	7.45E-09	14.00	1.57E-02	1.64E-09	1,000,000	1.64E-03	2.4E-02			
552	1.5624E-06	6.8788E-05	2.50E-04	1.72E-08	14.00	1.57E-02	3.79E-09	1,000,000	3.79E-03	5.5E-02			
553	1.5624E-06	8.7879E-05	2.50E-04	2.20E-08	14.00	1.57E-02	4.84E-09	1,000,000	4.84E-03	7.0E-02			
554	1.5624E-06	2.8127E-05	2.50E-04	7.04E-09	14.00	1.57E-02	1.55E-09	1,000,000	1.55E-03	2.2E-02			
555	1.5624E-06	1.4875E-05	2.50E-04	3.72E-09	14.00	1.57E-02	8.19E-10	1,000,000	8.19E-04	1.2E-02			
556	1.5624E-06	9.4092E-06	2.50E-04	2.35E-09	14.00	1.57E-02	5.18E-10	1,000,000	5.18E-04	7.5E-03			
557	1.5624E-06	6.5348E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
558	1.5624E-06	7.7522E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.27E-11	1,000,000	4.27E-05	6.2E-04			
559	1.5624E-06	9.3063E-07	2.50E-04	2.33E-10	14.00	1.57E-02	5.12E-11	1,000,000	5.12E-05	7.4E-04			
560	1.5624E-06	1.0997E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.05E-11	1,000,000	6.05E-05	8.8E-04			
561	1.5624E-06	1.3752E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.57E-11	1,000,000	7.57E-05	1.1E-03			
562	1.5624E-06	1.7153E-06	2.50E-04	4.29E-10	14.00	1.57E-02	9.44E-11	1,000,000	9.44E-05	1.4E-03			
563	1.5624E-06	2.255E-06	2.50E-04	5.64E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
564	1.5624E-06	3.2004E-06	2.50E-04	8.01E-10	14.00	1.57E-02	1.76E-10	1,000,000	1.76E-04	2.5E-03			
565	1.5624E-06	4.4844E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
566	1.5624E-06	6.6488E-06	2.50E-04	1.66E-09	14.00	1.57E-02	3.66E-10	1,000,000	3.66E-04	5.3E-03			
567	1.5624E-06	9.5419E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.25E-10	1,000,000	5.25E-04	7.6E-03			
568	1.5624E-06	1.4091E-05	2.50E-04	3.53E-09	14.00	1.57E-02	7.76E-10	1,000,000	7.76E-04	1.1E-02			
569	1.5624E-06	2.1693E-05	2.50E-04	5.43E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
570	1.5624E-06	5.8013E-05	2.50E-04	1.45E-08	14.00	1.57E-02	3.19E-09	1,000,000	3.19E-03	4.6E-02			
571	1.5624E-06	8.5399E-05	2.50E-04	2.14E-08	14.00	1.57E-02	4.70E-09	1,000,000	4.70E-03	6.8E-02			
572	1.5624E-06	2.5353E-05	2.50E-04	6.35E-09	14.00	1.57E-02	1.40E-09	1,000,000	1.40E-03	2.0E-02			
573	1.5624E-06	1.374E-05	2.50E-04	3.44E-09	14.00	1.57E-02	7.57E-10	1,000,000	7.57E-04	1.1E-02			
574	1.5624E-06	8.9041E-06	2.50E-04	2.23E-09	14.00	1.57E-02	4.90E-10	1,000,000	4.90E-04	7.1E-03			
575	1.5624E-06	6.3097E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.47E-10	1,000,000	3.47E-04	5.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.47E-07		2.144E-05	241 Res
2	5	1.58E-07			
3	5	1.69E-07			
4	5	1.82E-07			
5	5	1.95E-07			
6	5	2.09E-07			
7	5	2.23E-07			
8	5	2.37E-07			
9	5	2.51E-07			
10	5	2.63E-07			
11	5	2.73E-07			
12	5	2.81E-07			
13	5	2.85E-07			
14	5	2.86E-07			
15	5	2.84E-07			
16	5	2.78E-07			
17	5	2.69E-07			
18	5	2.58E-07			
19	5	2.46E-07			
20	5	2.32E-07			
21	5	2.18E-07			
22	5	2.04E-07			
23	5	1.56E-07			
24	5	1.69E-07			
25	5	1.83E-07			
26	5	1.98E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.15E-07			
28	5	2.32E-07			
29	5	2.50E-07			
30	5	2.68E-07			
31	5	2.86E-07			
32	5	3.02E-07			
33	5	3.15E-07			
34	5	3.26E-07			
35	5	3.32E-07			
36	5	3.34E-07			
37	5	3.30E-07			
38	5	3.22E-07			
39	5	3.10E-07			
40	5	2.96E-07			
41	5	2.79E-07			
42	5	2.61E-07			
43	5	2.42E-07			
44	5	2.26E-07			
45	5	1.67E-07			
46	5	1.81E-07			
47	5	1.98E-07			
48	5	2.16E-07			
49	5	2.36E-07			
50	5	2.58E-07			
51	5	2.81E-07			
52	5	3.05E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	3.28E-07			
54	5	3.50E-07			
55	5	3.70E-07			
56	5	3.84E-07			
57	5	3.93E-07			
58	5	3.96E-07			
59	5	3.90E-07			
60	5	3.78E-07			
61	5	3.62E-07			
62	5	3.42E-07			
63	5	3.19E-07			
64	5	2.95E-07			
65	5	2.72E-07			
66	5	2.50E-07			
67	5	1.77E-07			
68	5	1.94E-07			
69	5	2.14E-07			
70	5	2.36E-07			
71	5	2.60E-07			
72	5	2.87E-07			
73	5	3.17E-07			
74	5	3.49E-07			
75	5	3.81E-07			
76	5	4.12E-07			
77	5	4.40E-07			
78	5	4.63E-07			
79	5	4.76E-07			
80	5	4.78E-07			
81	5	4.70E-07			
82	5	4.54E-07			
83	5	4.29E-07			
84	5	4.00E-07			
85	5	3.66E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	3.36E-07			
87	5	3.06E-07			
88	5	2.78E-07			
89	5	1.88E-07			
90	5	2.07E-07			
91	5	2.30E-07			
92	5	2.56E-07			
93	5	2.87E-07			
94	5	3.21E-07			
95	5	3.60E-07			
96	5	4.02E-07			
97	5	4.48E-07			
98	5	4.93E-07			
99	5	5.35E-07			
100	5	5.68E-07			
101	5	5.88E-07			
102	5	5.92E-07			
103	5	5.81E-07			
104	5	5.53E-07			
105	5	5.17E-07			
106	5	4.73E-07			
107	5	4.28E-07			
108	5	3.85E-07			
109	5	3.45E-07			
110	5	3.10E-07			
111	5	1.98E-07			
112	5	2.21E-07			
113	5	2.47E-07			
114	5	2.78E-07			
115	5	3.15E-07			
116	5	3.58E-07			
117	5	4.09E-07			
118	5	4.68E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	5.33E-07			
120	5	6.01E-07			
121	5	6.67E-07			
122	5	7.19E-07			
123	5	7.52E-07			
124	5	7.59E-07			
125	5	7.38E-07			
126	5	6.93E-07			
127	5	6.34E-07			
128	5	5.69E-07			
129	5	5.03E-07			
130	5	4.44E-07			
131	5	3.91E-07			
132	5	3.46E-07			
133	5	2.07E-07			
134	5	2.33E-07			
135	5	2.64E-07			
136	5	3.00E-07			
137	5	3.44E-07			
138	5	3.99E-07			
139	5	4.65E-07			
140	5	5.46E-07			
141	5	6.41E-07			
142	5	7.49E-07			
143	5	8.57E-07			
144	5	9.49E-07			
145	5	1.01E-06			
146	5	1.02E-06			
147	5	9.78E-07			
148	5	8.98E-07			
149	5	7.99E-07			
150	5	6.93E-07			
151	5	5.96E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	5.14E-07			
153	5	4.43E-07			
154	5	3.85E-07			
155	5	2.00E-07			
156	5	2.31E-07			
157	5	2.75E-07			
158	5	3.17E-07			
159	5	3.74E-07			
160	5	4.41E-07			
161	5	5.27E-07			
162	5	6.39E-07			
163	5	7.82E-07			
164	5	9.57E-07			
165	5	1.15E-06			
166	5	1.32E-06			
167	5	1.44E-06			
168	5	1.45E-06			
169	5	1.37E-06			
170	5	1.22E-06			
171	5	1.03E-06			
172	5	8.61E-07			
173	5	7.14E-07			
174	5	5.96E-07			
175	5	5.04E-07			
176	5	4.29E-07			
177	5	1.97E-07			
178	5	2.32E-07			
179	5	2.78E-07			
180	5	3.34E-07			
181	5	3.99E-07			
182	5	4.81E-07			
183	5	5.90E-07			
184	5	2.10E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	1.74E-06			
186	5	1.38E-06			
187	5	1.08E-06			
188	5	8.58E-07			
189	5	6.93E-07			
190	5	5.70E-07			
191	5	4.76E-07			
192	5	1.89E-07			
193	5	2.21E-07			
194	5	2.66E-07			
195	5	3.22E-07			
196	5	3.99E-07			
197	5	4.91E-07			
198	5	6.36E-07			
199	5	1.71E-06			
200	5	3.78E-06			
201	5	2.75E-06			
202	5	1.91E-06			
203	5	1.38E-06			
204	5	1.03E-06			
205	5	8.03E-07			
206	5	6.43E-07			
207	5	5.27E-07			
208	5	1.76E-07			
209	5	2.08E-07			
210	5	2.41E-07			
211	5	2.98E-07			
212	5	3.66E-07			
213	5	4.68E-07			
214	5	6.30E-07			
215	5	8.71E-07			
216	5	1.33E-06			
217	5	2.28E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.31E-05			
219	5	1.10E-05			
220	5	5.00E-06			
221	5	2.74E-06			
222	5	1.76E-06			
223	5	1.24E-06			
224	5	9.23E-07			
225	5	7.18E-07			
226	5	5.77E-07			
227	5	1.61E-07			
228	5	1.87E-07			
229	5	2.20E-07			
230	5	2.68E-07			
231	5	3.34E-07			
232	5	4.19E-07			
233	5	5.82E-07			
234	5	8.15E-07			
235	5	1.27E-06			
236	5	2.33E-06			
237	5	6.96E-06			
238	5	1.59E-05			
239	5	1.79E-05			
240	5	1.95E-05			
241	5	2.14E-05			
242	5	8.43E-06			
243	5	3.65E-06			
244	5	2.14E-06			
245	5	1.43E-06			
246	5	1.03E-06			
247	5	7.88E-07			
248	5	6.24E-07			
249	5	1.48E-07			
250	5	1.70E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.98E-07			
252	5	2.41E-07			
253	5	2.96E-07			
254	5	3.91E-07			
255	5	5.15E-07			
256	5	7.46E-07			
257	5	1.07E-06			
258	5	1.69E-06			
259	5	2.99E-06			
260	5	4.66E-06			
261	5	6.20E-06			
262	5	9.23E-06			
263	5	1.79E-05			
264	5	8.96E-06			
265	5	4.01E-06			
266	5	2.33E-06			
267	5	1.54E-06			
268	5	1.10E-06			
269	5	8.34E-07			
270	5	6.56E-07			
271	5	1.32E-07			
272	5	1.50E-07			
273	5	1.77E-07			
274	5	2.11E-07			
275	5	2.59E-07			
276	5	3.34E-07			
277	5	4.40E-07			
278	5	5.91E-07			
279	5	8.51E-07			
280	5	1.25E-06			
281	5	1.88E-06			
282	5	2.80E-06			
283	5	4.06E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	7.04E-06			
285	5	1.67E-05			
286	5	8.50E-06			
287	5	3.84E-06			
288	5	2.28E-06			
289	5	1.54E-06			
290	5	1.11E-06			
291	5	8.44E-07			
292	5	6.66E-07			
293	5	1.19E-07			
294	5	1.36E-07			
295	5	1.58E-07			
296	5	1.85E-07			
297	5	2.28E-07			
298	5	2.86E-07			
299	5	3.68E-07			
300	5	5.01E-07			
301	5	6.58E-07			
302	5	9.53E-07			
303	5	1.36E-06			
304	5	1.97E-06			
305	5	2.91E-06			
306	5	5.43E-06			
307	5	1.46E-05			
308	5	7.17E-06			
309	5	3.29E-06			
310	5	2.03E-06			
311	5	1.41E-06			
312	5	1.05E-06			
313	5	8.12E-07			
314	5	6.49E-07			
315	5	1.05E-07			
316	5	1.20E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	1.39E-07			
318	5	1.63E-07			
319	5	1.91E-07			
320	5	2.46E-07			
321	5	3.05E-07			
322	5	3.96E-07			
323	5	5.37E-07			
324	5	7.27E-07			
325	5	1.01E-06			
326	5	1.42E-06			
327	5	2.17E-06			
328	5	3.19E-06			
329	5	6.56E-06			
330	5	3.95E-06			
331	5	2.35E-06			
332	5	1.63E-06			
333	5	1.22E-06			
334	5	9.37E-07			
335	5	7.46E-07			
336	5	6.08E-07			
337	5	9.58E-08			
338	5	1.09E-07			
339	5	1.23E-07			
340	5	1.45E-07			
341	5	1.69E-07			
342	5	2.11E-07			
343	5	2.55E-07			
344	5	3.24E-07			
345	5	4.21E-07			
346	5	5.67E-07			
347	5	7.39E-07			
348	5	9.99E-07			
349	5	1.19E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	1.60E-06			
351	5	1.94E-06			
352	5	1.76E-06			
353	5	1.49E-06			
354	5	1.19E-06			
355	5	9.71E-07			
356	5	8.01E-07			
357	5	6.65E-07			
358	5	5.59E-07			
359	5	8.59E-08			
360	5	9.76E-08			
361	5	1.11E-07			
362	5	1.27E-07			
363	5	1.46E-07			
364	5	1.76E-07			
365	5	2.14E-07			
366	5	2.66E-07			
367	5	3.45E-07			
368	5	4.35E-07			
369	5	5.34E-07			
370	5	6.39E-07			
371	5	7.88E-07			
372	5	9.29E-07			
373	5	9.90E-07			
374	5	9.55E-07			
375	5	9.31E-07			
376	5	8.28E-07			
377	5	7.37E-07			
378	5	6.56E-07			
379	5	5.69E-07			
380	5	4.96E-07			
381	5	1.96E-07			
382	5	2.15E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	2.36E-07			
384	5	2.60E-07			
385	5	2.85E-07			
386	5	3.12E-07			
387	5	3.39E-07			
388	5	3.67E-07			
389	5	3.92E-07			
390	5	4.12E-07			
391	5	4.27E-07			
392	5	4.33E-07			
393	5	4.31E-07			
394	5	4.22E-07			
395	5	4.04E-07			
396	5	3.81E-07			
397	5	3.55E-07			
398	5	3.28E-07			
399	5	2.11E-07			
400	5	2.33E-07			
401	5	2.59E-07			
402	5	2.88E-07			
403	5	3.20E-07			
404	5	3.55E-07			
405	5	3.93E-07			
406	5	4.31E-07			
407	5	4.67E-07			
408	5	4.99E-07			
409	5	5.21E-07			
410	5	5.30E-07			
411	5	5.27E-07			
412	5	5.12E-07			
413	5	4.85E-07			
414	5	4.52E-07			
415	5	4.15E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	3.76E-07			
417	5	2.26E-07			
418	5	2.52E-07			
419	5	2.83E-07			
420	5	3.19E-07			
421	5	3.60E-07			
422	5	4.08E-07			
423	5	4.60E-07			
424	5	5.15E-07			
425	5	5.69E-07			
426	5	6.17E-07			
427	5	6.51E-07			
428	5	6.68E-07			
429	5	6.62E-07			
430	5	6.36E-07			
431	5	5.95E-07			
432	5	5.44E-07			
433	5	4.91E-07			
434	5	4.37E-07			
435	5	2.41E-07			
436	5	2.71E-07			
437	5	3.08E-07			
438	5	3.53E-07			
439	5	4.06E-07			
440	5	4.69E-07			
441	5	5.43E-07			
442	5	6.26E-07			
443	5	7.11E-07			
444	5	7.90E-07			
445	5	8.47E-07			
446	5	8.74E-07			
447	5	8.64E-07			
448	5	8.17E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	7.48E-07			
450	5	6.69E-07			
451	5	5.85E-07			
452	5	5.11E-07			
453	5	2.52E-07			
454	5	2.89E-07			
455	5	3.34E-07			
456	5	3.88E-07			
457	5	4.56E-07			
458	5	5.41E-07			
459	5	6.46E-07			
460	5	7.73E-07			
461	5	9.15E-07			
462	5	1.05E-06			
463	5	1.16E-06			
464	5	1.21E-06			
465	5	1.18E-06			
466	5	1.10E-06			
467	5	9.73E-07			
468	5	8.37E-07			
469	5	7.09E-07			
470	5	6.00E-07			
471	5	2.50E-07			
472	5	2.97E-07			
473	5	3.55E-07			
474	5	4.22E-07			
475	5	5.07E-07			
476	5	1.57E-06			
477	5	1.31E-06			
478	5	1.07E-06			
479	5	8.70E-07			
480	5	7.08E-07			
481	5	2.44E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	2.96E-07			
483	5	3.52E-07			
484	5	4.30E-07			
485	5	5.49E-07			
486	5	2.44E-06			
487	5	1.87E-06			
488	5	1.40E-06			
489	5	1.07E-06			
490	5	8.36E-07			
491	5	2.32E-07			
492	5	2.81E-07			
493	5	3.36E-07			
494	5	4.18E-07			
495	5	5.46E-07			
496	5	1.56E-06			
497	5	2.65E-06			
498	5	6.35E-06			
499	5	4.68E-06			
500	5	2.85E-06			
501	5	1.87E-06			
502	5	1.32E-06			
503	5	9.83E-07			
504	5	2.14E-07			
505	5	2.51E-07			
506	5	3.20E-07			
507	5	3.91E-07			
508	5	5.26E-07			
509	5	7.07E-07			
510	5	1.04E-06			
511	5	1.71E-06			
512	5	3.93E-06			
513	5	1.12E-05			
514	5	1.85E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	1.97E-05			
516	5	2.00E-05			
517	5	1.34E-05			
518	5	4.46E-06			
519	5	2.46E-06			
520	5	1.60E-06			
521	5	1.14E-06			
522	5	1.92E-07			
523	5	2.33E-07			
524	5	2.87E-07			
525	5	3.59E-07			
526	5	4.48E-07			
527	5	6.54E-07			
528	5	9.39E-07			
529	5	1.50E-06			
530	5	2.90E-06			
531	5	5.82E-06			
532	5	8.17E-06			
533	5	9.96E-06			
534	5	1.65E-05			
535	5	1.82E-05			
536	5	5.60E-06			
537	5	2.91E-06			
538	5	1.82E-06			
539	5	1.26E-06			
540	5	1.72E-07			
541	5	2.08E-07			
542	5	2.54E-07			
543	5	3.17E-07			
544	5	4.20E-07			
545	5	5.55E-07			
546	5	7.97E-07			
547	5	1.17E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE15

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	1.86E-06			
549	5	2.86E-06			
550	5	4.13E-06			
551	5	5.95E-06			
552	5	1.38E-05			
553	5	1.76E-05			
554	5	5.63E-06			
555	5	2.97E-06			
556	5	1.88E-06			
557	5	1.31E-06			
558	5	1.55E-07			
559	5	1.86E-07			
560	5	2.20E-07			
561	5	2.75E-07			
562	5	3.43E-07			
563	5	4.51E-07			
564	5	6.40E-07			
565	5	8.97E-07			
566	5	1.33E-06			
567	5	1.91E-06			
568	5	2.82E-06			
569	5	4.34E-06			
570	5	1.16E-05			
571	5	1.71E-05			
572	5	5.07E-06			
573	5	2.75E-06			
574	5	1.78E-06			
575	5	1.26E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.58	**1.184E-06**	6.8475E-07	3.46E-04	2.37E-10	0.25	1.57E-01	9.31E-12	1,000,000	9.31E-06
2	0.65	1.184E-06	7.7021E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
3	0.73	1.184E-06	8.6691E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
4	0.83	1.184E-06	9.878E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
5	0.95	1.184E-06	1.1208E-06	3.46E-04	3.88E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
6	1.08	1.184E-06	1.2819E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
7	1.25	1.184E-06	1.4792E-06	3.46E-04	5.12E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
8	1.45	1.184E-06	1.7225E-06	3.46E-04	5.96E-10	0.25	1.57E-01	2.34E-11	1,000,000	2.34E-05
9	1.71	1.184E-06	2.0254E-06	3.46E-04	7.01E-10	0.25	1.57E-01	2.75E-11	1,000,000	2.75E-05
10	2.03	1.184E-06	2.4032E-06	3.46E-04	8.32E-10	0.25	1.57E-01	3.27E-11	1,000,000	3.27E-05
11	2.43	1.184E-06	2.8712E-06	3.46E-04	9.94E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
12	2.90	1.184E-06	3.4356E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.67E-11	1,000,000	4.67E-05
13	3.43	1.184E-06	4.0593E-06	3.46E-04	1.41E-09	0.25	1.57E-01	5.52E-11	1,000,000	5.52E-05
14	3.88	1.184E-06	4.5943E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.25E-11	1,000,000	6.25E-05
15	4.03	1.184E-06	4.7695E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.49E-11	1,000,000	6.49E-05
16	3.76	1.184E-06	4.4525E-06	3.46E-04	1.54E-09	0.25	1.57E-01	6.06E-11	1,000,000	6.06E-05
17	3.27	1.184E-06	3.8735E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.27E-11	1,000,000	5.27E-05
18	2.76	1.184E-06	3.2638E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
19	2.30	1.184E-06	2.7273E-06	3.46E-04	9.44E-10	0.25	1.57E-01	3.71E-11	1,000,000	3.71E-05
20	1.94	1.184E-06	2.2939E-06	3.46E-04	7.94E-10	0.25	1.57E-01	3.12E-11	1,000,000	3.12E-05
21	1.64	1.184E-06	1.9433E-06	3.46E-04	6.73E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
22	1.40	1.184E-06	1.659E-06	3.46E-04	5.74E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
23	0.58	1.184E-06	6.906E-07	3.46E-04	2.39E-10	0.25	1.57E-01	9.39E-12	1,000,000	9.39E-06
24	0.66	1.184E-06	7.8117E-07	3.46E-04	2.70E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
25	0.75	1.184E-06	8.8783E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
26	0.86	1.184E-06	1.0186E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.00	1.184E-06	1.1795E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
28	1.15	1.184E-06	1.3622E-06	3.46E-04	4.72E-10	0.25	1.57E-01	1.85E-11	1,000,000	1.85E-05
29	1.37	1.184E-06	1.6166E-06	3.46E-04	5.60E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
30	1.62	1.184E-06	1.917E-06	3.46E-04	6.64E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
31	1.95	1.184E-06	2.3079E-06	3.46E-04	7.99E-10	0.25	1.57E-01	3.14E-11	1,000,000	3.14E-05
32	2.39	1.184E-06	2.8264E-06	3.46E-04	9.78E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
33	2.98	1.184E-06	3.5271E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.80E-11	1,000,000	4.80E-05
34	3.79	1.184E-06	4.4927E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.11E-11	1,000,000	6.11E-05
35	4.90	1.184E-06	5.8031E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.89E-11	1,000,000	7.89E-05
36	6.18	1.184E-06	7.316E-06	3.46E-04	2.53E-09	0.25	1.57E-01	9.95E-11	1,000,000	9.95E-05
37	6.69	1.184E-06	7.9159E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
38	5.79	1.184E-06	6.8582E-06	3.46E-04	2.37E-09	0.25	1.57E-01	9.33E-11	1,000,000	9.33E-05
39	4.56	1.184E-06	5.4031E-06	3.46E-04	1.87E-09	0.25	1.57E-01	7.35E-11	1,000,000	7.35E-05
40	3.56	1.184E-06	4.2181E-06	3.46E-04	1.46E-09	0.25	1.57E-01	5.74E-11	1,000,000	5.74E-05
41	2.82	1.184E-06	3.341E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
42	2.28	1.184E-06	2.697E-06	3.46E-04	9.34E-10	0.25	1.57E-01	3.67E-11	1,000,000	3.67E-05
43	1.87	1.184E-06	2.216E-06	3.46E-04	7.67E-10	0.25	1.57E-01	3.01E-11	1,000,000	3.01E-05
44	1.57	1.184E-06	1.8616E-06	3.46E-04	6.44E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
45	0.58	1.184E-06	6.8314E-07	3.46E-04	2.36E-10	0.25	1.57E-01	9.29E-12	1,000,000	9.29E-06
46	0.66	1.184E-06	7.7641E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
47	0.75	1.184E-06	8.8638E-07	3.46E-04	3.07E-10	0.25	1.57E-01	1.21E-11	1,000,000	1.21E-05
48	0.86	1.184E-06	1.0205E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
49	1.01	1.184E-06	1.1972E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
50	1.20	1.184E-06	1.4193E-06	3.46E-04	4.91E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
51	1.44	1.184E-06	1.7046E-06	3.46E-04	5.90E-10	0.25	1.57E-01	2.32E-11	1,000,000	2.32E-05
52	1.76	1.184E-06	2.0876E-06	3.46E-04	7.23E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	2.19	1.184E-06	2.5932E-06	3.46E-04	8.98E-10	0.25	1.57E-01	3.53E-11	1,000,000	3.53E-05
54	2.77	1.184E-06	3.2777E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.46E-11	1,000,000	4.46E-05
55	3.62	1.184E-06	4.284E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.83E-11	1,000,000	5.83E-05
56	4.96	1.184E-06	5.868E-06	3.46E-04	2.03E-09	0.25	1.57E-01	7.98E-11	1,000,000	7.98E-05
57	7.30	1.184E-06	8.6374E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
58	12.07	1.184E-06	1.4294E-05	3.46E-04	4.95E-09	0.25	1.57E-01	1.94E-10	1,000,000	1.94E-04
59	16.68	1.184E-06	1.9744E-05	3.46E-04	6.83E-09	0.25	1.57E-01	2.69E-10	1,000,000	2.69E-04
60	10.33	1.184E-06	1.2225E-05	3.46E-04	4.23E-09	0.25	1.57E-01	1.66E-10	1,000,000	1.66E-04
61	6.63	1.184E-06	7.8481E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
62	4.65	1.184E-06	5.503E-06	3.46E-04	1.90E-09	0.25	1.57E-01	7.48E-11	1,000,000	7.48E-05
63	3.46	1.184E-06	4.093E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.57E-11	1,000,000	5.57E-05
64	2.68	1.184E-06	3.1724E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.31E-11	1,000,000	4.31E-05
65	2.14	1.184E-06	2.5374E-06	3.46E-04	8.78E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
66	1.76	1.184E-06	2.0791E-06	3.46E-04	7.20E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
67	0.56	1.184E-06	6.5758E-07	3.46E-04	2.28E-10	0.25	1.57E-01	8.94E-12	1,000,000	8.94E-06
68	0.64	1.184E-06	7.5512E-07	3.46E-04	2.61E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
69	0.73	1.184E-06	8.5851E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
70	0.85	1.184E-06	1.006E-06	3.46E-04	3.48E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
71	1.01	1.184E-06	1.1908E-06	3.46E-04	4.12E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
72	1.21	1.184E-06	1.4315E-06	3.46E-04	4.96E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
73	1.47	1.184E-06	1.7442E-06	3.46E-04	6.04E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
74	1.86	1.184E-06	2.2041E-06	3.46E-04	7.63E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
75	2.39	1.184E-06	2.8285E-06	3.46E-04	9.79E-10	0.25	1.57E-01	3.85E-11	1,000,000	3.85E-05
76	3.13	1.184E-06	3.7051E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05
77	4.26	1.184E-06	5.0393E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
78	6.21	1.184E-06	7.3559E-06	3.46E-04	2.55E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
79	10.34	1.184E-06	1.2246E-05	3.46E-04	4.24E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
80	24.69	1.184E-06	2.9236E-05	3.46E-04	1.01E-08	0.25	1.57E-01	3.98E-10	1,000,000	3.98E-04
81	78.46	1.184E-06	9.2894E-05	3.46E-04	3.22E-08	0.25	1.57E-01	1.26E-09	1,000,000	1.26E-03
82	19.52	1.184E-06	2.3116E-05	3.46E-04	8.00E-09	0.25	1.57E-01	3.14E-10	1,000,000	3.14E-04
83	9.54	1.184E-06	1.1299E-05	3.46E-04	3.91E-09	0.25	1.57E-01	1.54E-10	1,000,000	1.54E-04
84	5.99	1.184E-06	7.0951E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.65E-11	1,000,000	9.65E-05
85	4.16	1.184E-06	4.9307E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.71E-11	1,000,000	6.71E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	3.11	1.184E-06	3.6874E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.01E-11	1,000,000	5.01E-05
87	2.42	1.184E-06	2.8659E-06	3.46E-04	9.92E-10	0.25	1.57E-01	3.90E-11	1,000,000	3.90E-05
88	1.94	1.184E-06	2.302E-06	3.46E-04	7.97E-10	0.25	1.57E-01	3.13E-11	1,000,000	3.13E-05
89	0.53	1.184E-06	6.2249E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.47E-12	1,000,000	8.47E-06
90	0.62	1.184E-06	7.3234E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.96E-12	1,000,000	9.96E-06
91	0.71	1.184E-06	8.3953E-07	3.46E-04	2.91E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
92	0.82	1.184E-06	9.663E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
93	0.96	1.184E-06	1.1394E-06	3.46E-04	3.94E-10	0.25	1.57E-01	1.55E-11	1,000,000	1.55E-05
94	1.20	1.184E-06	1.4234E-06	3.46E-04	4.93E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
95	1.51	1.184E-06	1.7837E-06	3.46E-04	6.17E-10	0.25	1.57E-01	2.43E-11	1,000,000	2.43E-05
96	1.92	1.184E-06	2.2724E-06	3.46E-04	7.87E-10	0.25	1.57E-01	3.09E-11	1,000,000	3.09E-05
97	2.49	1.184E-06	2.9527E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
98	3.37	1.184E-06	3.9868E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
99	4.77	1.184E-06	5.6483E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.68E-11	1,000,000	7.68E-05
100	7.23	1.184E-06	8.5605E-06	3.46E-04	2.96E-09	0.25	1.57E-01	1.16E-10	1,000,000	1.16E-04
101	12.65	1.184E-06	1.4978E-05	3.46E-04	5.18E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
102	31.10	1.184E-06	3.6827E-05	3.46E-04	1.27E-08	0.25	1.57E-01	5.01E-10	1,000,000	5.01E-04
103	65.35	1.184E-06	7.7369E-05	3.46E-04	2.68E-08	0.25	1.57E-01	1.05E-09	1,000,000	1.05E-03
104	26.22	1.184E-06	3.1042E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
105	12.18	1.184E-06	1.4425E-05	3.46E-04	4.99E-09	0.25	1.57E-01	1.96E-10	1,000,000	1.96E-04
106	7.25	1.184E-06	8.5888E-06	3.46E-04	2.97E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
107	4.87	1.184E-06	5.7669E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.84E-11	1,000,000	7.84E-05
108	3.52	1.184E-06	4.1717E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.67E-11	1,000,000	5.67E-05
109	2.68	1.184E-06	3.1735E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.32E-11	1,000,000	4.32E-05
110	2.12	1.184E-06	2.5101E-06	3.46E-04	8.69E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
111	0.49	1.184E-06	5.7808E-07	3.46E-04	2.00E-10	0.25	1.57E-01	7.86E-12	1,000,000	7.86E-06
112	0.58	1.184E-06	6.8222E-07	3.46E-04	2.36E-10	0.25	1.57E-01	9.28E-12	1,000,000	9.28E-06
113	0.64	1.184E-06	7.587E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
114	0.74	1.184E-06	8.7967E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
115	0.93	1.184E-06	1.0969E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
116	1.19	1.184E-06	1.4089E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
117	1.49	1.184E-06	1.7605E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
118	1.88	1.184E-06	2.2297E-06	3.46E-04	7.72E-10	0.25	1.57E-01	3.03E-11	1,000,000	3.03E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	2.49	1.184E-06	2.9501E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.01E-11	1,000,000	4.01E-05
120	3.42	1.184E-06	4.0443E-06	3.46E-04	1.40E-09	0.25	1.57E-01	5.50E-11	1,000,000	5.50E-05
121	4.91	1.184E-06	5.8135E-06	3.46E-04	2.01E-09	0.25	1.57E-01	7.91E-11	1,000,000	7.91E-05
122	7.73	1.184E-06	9.1473E-06	3.46E-04	3.17E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
123	13.69	1.184E-06	1.6207E-05	3.46E-04	5.61E-09	0.25	1.57E-01	2.20E-10	1,000,000	2.20E-04
124	32.57	1.184E-06	3.8563E-05	3.46E-04	1.33E-08	0.25	1.57E-01	5.24E-10	1,000,000	5.24E-04
125	67.65	1.184E-06	8.0094E-05	3.46E-04	2.77E-08	0.25	1.57E-01	1.09E-09	1,000,000	1.09E-03
126	28.86	1.184E-06	3.4169E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.65E-10	1,000,000	4.65E-04
127	13.59	1.184E-06	1.6093E-05	3.46E-04	5.57E-09	0.25	1.57E-01	2.19E-10	1,000,000	2.19E-04
128	8.05	1.184E-06	9.5367E-06	3.46E-04	3.30E-09	0.25	1.57E-01	1.30E-10	1,000,000	1.30E-04
129	5.35	1.184E-06	6.3297E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.61E-11	1,000,000	8.61E-05
130	3.83	1.184E-06	4.5301E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05
131	2.88	1.184E-06	3.4107E-06	3.46E-04	1.18E-09	0.25	1.57E-01	4.64E-11	1,000,000	4.64E-05
132	2.26	1.184E-06	2.6731E-06	3.46E-04	9.25E-10	0.25	1.57E-01	3.64E-11	1,000,000	3.64E-05
133	0.45	1.184E-06	5.3138E-07	3.46E-04	1.84E-10	0.25	1.57E-01	7.23E-12	1,000,000	7.23E-06
134	0.51	1.184E-06	6.0955E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.29E-12	1,000,000	8.29E-06
135	0.59	1.184E-06	7.0124E-07	3.46E-04	2.43E-10	0.25	1.57E-01	9.54E-12	1,000,000	9.54E-06
136	0.72	1.184E-06	8.5032E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
137	0.92	1.184E-06	1.0887E-06	3.46E-04	3.77E-10	0.25	1.57E-01	1.48E-11	1,000,000	1.48E-05
138	1.12	1.184E-06	1.3232E-06	3.46E-04	4.58E-10	0.25	1.57E-01	1.80E-11	1,000,000	1.80E-05
139	1.41	1.184E-06	1.6749E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
140	1.76	1.184E-06	2.0814E-06	3.46E-04	7.20E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
141	2.41	1.184E-06	2.8585E-06	3.46E-04	9.90E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
142	3.28	1.184E-06	3.8861E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.28E-11	1,000,000	5.28E-05
143	4.79	1.184E-06	5.6771E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.72E-11	1,000,000	7.72E-05
144	7.59	1.184E-06	8.9884E-06	3.46E-04	3.11E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
145	13.56	1.184E-06	1.6057E-05	3.46E-04	5.56E-09	0.25	1.57E-01	2.18E-10	1,000,000	2.18E-04
146	32.21	1.184E-06	3.8142E-05	3.46E-04	1.32E-08	0.25	1.57E-01	5.19E-10	1,000,000	5.19E-04
147	68.60	1.184E-06	8.1219E-05	3.46E-04	2.81E-08	0.25	1.57E-01	1.10E-09	1,000,000	1.10E-03
148	29.48	1.184E-06	3.4902E-05	3.46E-04	1.21E-08	0.25	1.57E-01	4.75E-10	1,000,000	4.75E-04
149	13.93	1.184E-06	1.6489E-05	3.46E-04	5.71E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
150	8.27	1.184E-06	9.7949E-06	3.46E-04	3.39E-09	0.25	1.57E-01	1.33E-10	1,000,000	1.33E-04
151	5.51	1.184E-06	6.5257E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	3.95	1.184E-06	4.6804E-06	3.46E-04	1.62E-09	0.25	1.57E-01	6.37E-11	1,000,000	6.37E-05
153	2.98	1.184E-06	3.5276E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.80E-11	1,000,000	4.80E-05
154	2.33	1.184E-06	2.7616E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
155	0.39	1.184E-06	4.6541E-07	3.46E-04	1.61E-10	0.25	1.57E-01	6.33E-12	1,000,000	6.33E-06
156	0.45	1.184E-06	5.3781E-07	3.46E-04	1.86E-10	0.25	1.57E-01	7.31E-12	1,000,000	7.31E-06
157	0.55	1.184E-06	6.4752E-07	3.46E-04	2.24E-10	0.25	1.57E-01	8.81E-12	1,000,000	8.81E-06
158	0.64	1.184E-06	7.5554E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
159	0.78	1.184E-06	9.2857E-07	3.46E-04	3.21E-10	0.25	1.57E-01	1.26E-11	1,000,000	1.26E-05
160	0.97	1.184E-06	1.1439E-06	3.46E-04	3.96E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
161	1.21	1.184E-06	1.4275E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
162	1.62	1.184E-06	1.9232E-06	3.46E-04	6.66E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
163	2.18	1.184E-06	2.586E-06	3.46E-04	8.95E-10	0.25	1.57E-01	3.52E-11	1,000,000	3.52E-05
164	3.01	1.184E-06	3.5616E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.84E-11	1,000,000	4.84E-05
165	4.36	1.184E-06	5.1641E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
166	6.84	1.184E-06	8.1023E-06	3.46E-04	2.80E-09	0.25	1.57E-01	1.10E-10	1,000,000	1.10E-04
167	12.32	1.184E-06	1.4586E-05	3.46E-04	5.05E-09	0.25	1.57E-01	1.98E-10	1,000,000	1.98E-04
168	29.85	1.184E-06	3.5343E-05	3.46E-04	1.22E-08	0.25	1.57E-01	4.81E-10	1,000,000	4.81E-04
169	69.47	1.184E-06	8.2254E-05	3.46E-04	2.85E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
170	28.40	1.184E-06	3.3625E-05	3.46E-04	1.16E-08	0.25	1.57E-01	4.57E-10	1,000,000	4.57E-04
171	13.24	1.184E-06	1.5676E-05	3.46E-04	5.43E-09	0.25	1.57E-01	2.13E-10	1,000,000	2.13E-04
172	7.96	1.184E-06	9.4203E-06	3.46E-04	3.26E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
173	5.37	1.184E-06	6.3573E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.65E-11	1,000,000	8.65E-05
174	3.89	1.184E-06	4.6073E-06	3.46E-04	1.59E-09	0.25	1.57E-01	6.27E-11	1,000,000	6.27E-05
175	2.96	1.184E-06	3.5054E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.77E-11	1,000,000	4.77E-05
176	2.33	1.184E-06	2.7617E-06	3.46E-04	9.56E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
177	0.37	1.184E-06	4.3425E-07	3.46E-04	1.50E-10	0.25	1.57E-01	5.91E-12	1,000,000	5.91E-06
178	0.43	1.184E-06	5.059E-07	3.46E-04	1.75E-10	0.25	1.57E-01	6.88E-12	1,000,000	6.88E-06
179	0.51	1.184E-06	6.0418E-07	3.46E-04	2.09E-10	0.25	1.57E-01	8.22E-12	1,000,000	8.22E-06
180	0.61	1.184E-06	7.262E-07	3.46E-04	2.51E-10	0.25	1.57E-01	9.88E-12	1,000,000	9.88E-06
181	0.74	1.184E-06	8.7094E-07	3.46E-04	3.01E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
182	0.88	1.184E-06	1.0461E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
183	1.09	1.184E-06	1.2943E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
184	65.89	1.184E-06	7.8014E-05	3.46E-04	2.70E-08	0.25	1.57E-01	1.06E-09	1,000,000	1.06E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	24.11	1.184E-06	2.855E-05	3.46E-04	9.88E-09	0.25	1.57E-01	3.88E-10	1,000,000	3.88E-04
186	11.37	1.184E-06	1.3456E-05	3.46E-04	4.66E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
187	7.08	1.184E-06	8.3769E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
188	4.92	1.184E-06	5.8303E-06	3.46E-04	2.02E-09	0.25	1.57E-01	7.93E-11	1,000,000	7.93E-05
189	3.65	1.184E-06	4.3186E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.87E-11	1,000,000	5.87E-05
190	2.82	1.184E-06	3.3399E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
191	2.25	1.184E-06	2.6654E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
192	0.34	1.184E-06	3.9842E-07	3.46E-04	1.38E-10	0.25	1.57E-01	5.42E-12	1,000,000	5.42E-06
193	0.39	1.184E-06	4.5601E-07	3.46E-04	1.58E-10	0.25	1.57E-01	6.20E-12	1,000,000	6.20E-06
194	0.45	1.184E-06	5.3726E-07	3.46E-04	1.86E-10	0.25	1.57E-01	7.31E-12	1,000,000	7.31E-06
195	0.54	1.184E-06	6.3497E-07	3.46E-04	2.20E-10	0.25	1.57E-01	8.64E-12	1,000,000	8.64E-06
196	0.65	1.184E-06	7.6633E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
197	0.76	1.184E-06	9.0567E-07	3.46E-04	3.14E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
198	0.95	1.184E-06	1.1261E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
199	2.09	1.184E-06	2.4712E-06	3.46E-04	8.55E-10	0.25	1.57E-01	3.36E-11	1,000,000	3.36E-05
200	24.78	1.184E-06	2.9338E-05	3.46E-04	1.02E-08	0.25	1.57E-01	3.99E-10	1,000,000	3.99E-04
201	13.89	1.184E-06	1.644E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
202	8.40	1.184E-06	9.9445E-06	3.46E-04	3.44E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
203	5.72	1.184E-06	6.7687E-06	3.46E-04	2.34E-09	0.25	1.57E-01	9.20E-11	1,000,000	9.20E-05
204	4.21	1.184E-06	4.9897E-06	3.46E-04	1.73E-09	0.25	1.57E-01	6.79E-11	1,000,000	6.79E-05
205	3.25	1.184E-06	3.8436E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05
206	2.58	1.184E-06	3.0554E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
207	2.11	1.184E-06	2.4955E-06	3.46E-04	8.64E-10	0.25	1.57E-01	3.39E-11	1,000,000	3.39E-05
208	0.31	1.184E-06	3.6617E-07	3.46E-04	1.27E-10	0.25	1.57E-01	4.98E-12	1,000,000	4.98E-06
209	0.35	1.184E-06	4.1617E-07	3.46E-04	1.44E-10	0.25	1.57E-01	5.66E-12	1,000,000	5.66E-06
210	0.39	1.184E-06	4.6718E-07	3.46E-04	1.62E-10	0.25	1.57E-01	6.35E-12	1,000,000	6.35E-06
211	0.46	1.184E-06	5.5009E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.48E-12	1,000,000	7.48E-06
212	0.54	1.184E-06	6.4205E-07	3.46E-04	2.22E-10	0.25	1.57E-01	8.73E-12	1,000,000	8.73E-06
213	0.65	1.184E-06	7.7244E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
214	0.81	1.184E-06	9.5865E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
215	1.00	1.184E-06	1.1821E-06	3.46E-04	4.09E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
216	1.35	1.184E-06	1.5927E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
217	1.73	1.184E-06	2.0498E-06	3.46E-04	7.10E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	6.52	1.184E-06	7.7226E-06	3.46E-04	2.67E-09	0.25	1.57E-01	1.05E-10	1,000,000	1.05E-04
219	7.56	1.184E-06	8.9524E-06	3.46E-04	3.10E-09	0.25	1.57E-01	1.22E-10	1,000,000	1.22E-04
220	6.69	1.184E-06	7.9153E-06	3.46E-04	2.74E-09	0.25	1.57E-01	1.08E-10	1,000,000	1.08E-04
221	5.29	1.184E-06	6.2612E-06	3.46E-04	2.17E-09	0.25	1.57E-01	8.51E-11	1,000,000	8.51E-05
222	4.19	1.184E-06	4.9558E-06	3.46E-04	1.72E-09	0.25	1.57E-01	6.74E-11	1,000,000	6.74E-05
223	3.36	1.184E-06	3.9812E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.41E-11	1,000,000	5.41E-05
224	2.74	1.184E-06	3.2472E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.42E-11	1,000,000	4.42E-05
225	2.27	1.184E-06	2.6863E-06	3.46E-04	9.30E-10	0.25	1.57E-01	3.65E-11	1,000,000	3.65E-05
226	1.90	1.184E-06	2.2485E-06	3.46E-04	7.78E-10	0.25	1.57E-01	3.06E-11	1,000,000	3.06E-05
227	0.28	1.184E-06	3.3467E-07	3.46E-04	1.16E-10	0.25	1.57E-01	4.55E-12	1,000,000	4.55E-06
228	0.32	1.184E-06	3.748E-07	3.46E-04	1.30E-10	0.25	1.57E-01	5.10E-12	1,000,000	5.10E-06
229	0.36	1.184E-06	4.2232E-07	3.46E-04	1.46E-10	0.25	1.57E-01	5.74E-12	1,000,000	5.74E-06
230	0.41	1.184E-06	4.841E-07	3.46E-04	1.68E-10	0.25	1.57E-01	6.58E-12	1,000,000	6.58E-06
231	0.47	1.184E-06	5.6172E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.64E-12	1,000,000	7.64E-06
232	0.55	1.184E-06	6.4846E-07	3.46E-04	2.24E-10	0.25	1.57E-01	8.82E-12	1,000,000	8.82E-06
233	0.68	1.184E-06	8.004E-07	3.46E-04	2.77E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
234	0.82	1.184E-06	9.7587E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
235	1.03	1.184E-06	1.2236E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
236	1.32	1.184E-06	1.5661E-06	3.46E-04	5.42E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
237	1.71	1.184E-06	2.0271E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
238	2.25	1.184E-06	2.6696E-06	3.46E-04	9.24E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
239	2.96	1.184E-06	3.4993E-06	3.46E-04	1.21E-09	0.25	1.57E-01	4.76E-11	1,000,000	4.76E-05
240	3.54	1.184E-06	4.1881E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.70E-11	1,000,000	5.70E-05
241	3.94	1.184E-06	4.6602E-06	3.46E-04	1.61E-09	0.25	1.57E-01	6.34E-11	1,000,000	6.34E-05
242	3.61	1.184E-06	4.2751E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.81E-11	1,000,000	5.81E-05
243	3.32	1.184E-06	3.9301E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.34E-11	1,000,000	5.34E-05
244	2.97	1.184E-06	3.5202E-06	3.46E-04	1.22E-09	0.25	1.57E-01	4.79E-11	1,000,000	4.79E-05
245	2.57	1.184E-06	3.0461E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
246	2.23	1.184E-06	2.635E-06	3.46E-04	9.12E-10	0.25	1.57E-01	3.58E-11	1,000,000	3.58E-05
247	1.92	1.184E-06	2.2771E-06	3.46E-04	7.88E-10	0.25	1.57E-01	3.10E-11	1,000,000	3.10E-05
248	1.66	1.184E-06	1.9678E-06	3.46E-04	6.81E-10	0.25	1.57E-01	2.68E-11	1,000,000	2.68E-05
249	0.26	1.184E-06	3.0658E-07	3.46E-04	1.06E-10	0.25	1.57E-01	4.17E-12	1,000,000	4.17E-06
250	0.29	1.184E-06	3.3924E-07	3.46E-04	1.17E-10	0.25	1.57E-01	4.61E-12	1,000,000	4.61E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.32	1.184E-06	3.7742E-07	3.46E-04	1.31E-10	0.25	1.57E-01	5.13E-12	1,000,000	5.13E-06
252	0.36	1.184E-06	4.3036E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.85E-12	1,000,000	5.85E-06
253	0.41	1.184E-06	4.9064E-07	3.46E-04	1.70E-10	0.25	1.57E-01	6.67E-12	1,000,000	6.67E-06
254	0.49	1.184E-06	5.8054E-07	3.46E-04	2.01E-10	0.25	1.57E-01	7.89E-12	1,000,000	7.89E-06
255	0.57	1.184E-06	6.764E-07	3.46E-04	2.34E-10	0.25	1.57E-01	9.20E-12	1,000,000	9.20E-06
256	0.70	1.184E-06	8.3109E-07	3.46E-04	2.88E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
257	0.83	1.184E-06	9.8749E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
258	1.01	1.184E-06	1.1914E-06	3.46E-04	4.12E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
259	1.28	1.184E-06	1.5114E-06	3.46E-04	5.23E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
260	1.63	1.184E-06	1.9262E-06	3.46E-04	6.67E-10	0.25	1.57E-01	2.62E-11	1,000,000	2.62E-05
261	2.02	1.184E-06	2.3877E-06	3.46E-04	8.27E-10	0.25	1.57E-01	3.25E-11	1,000,000	3.25E-05
262	2.25	1.184E-06	2.6677E-06	3.46E-04	9.23E-10	0.25	1.57E-01	3.63E-11	1,000,000	3.63E-05
263	2.34	1.184E-06	2.7689E-06	3.46E-04	9.59E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
264	2.31	1.184E-06	2.7318E-06	3.46E-04	9.46E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
265	2.36	1.184E-06	2.798E-06	3.46E-04	9.69E-10	0.25	1.57E-01	3.81E-11	1,000,000	3.81E-05
266	2.23	1.184E-06	2.6381E-06	3.46E-04	9.13E-10	0.25	1.57E-01	3.59E-11	1,000,000	3.59E-05
267	1.97	1.184E-06	2.332E-06	3.46E-04	8.07E-10	0.25	1.57E-01	3.17E-11	1,000,000	3.17E-05
268	1.77	1.184E-06	2.0984E-06	3.46E-04	7.26E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
269	1.60	1.184E-06	1.8935E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.58E-11	1,000,000	2.58E-05
270	1.43	1.184E-06	1.6888E-06	3.46E-04	5.85E-10	0.25	1.57E-01	2.30E-11	1,000,000	2.30E-05
271	0.23	1.184E-06	2.7642E-07	3.46E-04	9.57E-11	0.25	1.57E-01	3.76E-12	1,000,000	3.76E-06
272	0.26	1.184E-06	3.0317E-07	3.46E-04	1.05E-10	0.25	1.57E-01	4.12E-12	1,000,000	4.12E-06
273	0.29	1.184E-06	3.3748E-07	3.46E-04	1.17E-10	0.25	1.57E-01	4.59E-12	1,000,000	4.59E-06
274	0.32	1.184E-06	3.78E-07	3.46E-04	1.31E-10	0.25	1.57E-01	5.14E-12	1,000,000	5.14E-06
275	0.36	1.184E-06	4.2782E-07	3.46E-04	1.48E-10	0.25	1.57E-01	5.82E-12	1,000,000	5.82E-06
276	0.42	1.184E-06	4.9527E-07	3.46E-04	1.71E-10	0.25	1.57E-01	6.74E-12	1,000,000	6.74E-06
277	0.49	1.184E-06	5.751E-07	3.46E-04	1.99E-10	0.25	1.57E-01	7.82E-12	1,000,000	7.82E-06
278	0.56	1.184E-06	6.6586E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.06E-12	1,000,000	9.06E-06
279	0.67	1.184E-06	7.9163E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
280	0.80	1.184E-06	9.4629E-07	3.46E-04	3.28E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
281	0.98	1.184E-06	1.1583E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
282	1.21	1.184E-06	1.4268E-06	3.46E-04	4.94E-10	0.25	1.57E-01	1.94E-11	1,000,000	1.94E-05
283	1.41	1.184E-06	1.6685E-06	3.46E-04	5.78E-10	0.25	1.57E-01	2.27E-11	1,000,000	2.27E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.42	1.184E-06	1.6809E-06	3.46E-04	5.82E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
285	1.54	1.184E-06	1.8265E-06	3.46E-04	6.32E-10	0.25	1.57E-01	2.48E-11	1,000,000	2.48E-05
286	1.56	1.184E-06	1.8492E-06	3.46E-04	6.40E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
287	1.53	1.184E-06	1.8102E-06	3.46E-04	6.27E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
288	1.50	1.184E-06	1.7743E-06	3.46E-04	6.14E-10	0.25	1.57E-01	2.41E-11	1,000,000	2.41E-05
289	1.41	1.184E-06	1.6647E-06	3.46E-04	5.76E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
290	1.40	1.184E-06	1.6583E-06	3.46E-04	5.74E-10	0.25	1.57E-01	2.26E-11	1,000,000	2.26E-05
291	1.29	1.184E-06	1.5228E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
292	1.18	1.184E-06	1.4026E-06	3.46E-04	4.86E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
293	0.21	1.184E-06	2.5038E-07	3.46E-04	8.67E-11	0.25	1.57E-01	3.40E-12	1,000,000	3.40E-06
294	0.23	1.184E-06	2.7431E-07	3.46E-04	9.50E-11	0.25	1.57E-01	3.73E-12	1,000,000	3.73E-06
295	0.26	1.184E-06	3.0195E-07	3.46E-04	1.05E-10	0.25	1.57E-01	4.11E-12	1,000,000	4.11E-06
296	0.28	1.184E-06	3.3268E-07	3.46E-04	1.15E-10	0.25	1.57E-01	4.52E-12	1,000,000	4.52E-06
297	0.32	1.184E-06	3.7631E-07	3.46E-04	1.30E-10	0.25	1.57E-01	5.12E-12	1,000,000	5.12E-06
298	0.36	1.184E-06	4.2588E-07	3.46E-04	1.47E-10	0.25	1.57E-01	5.79E-12	1,000,000	5.79E-06
299	0.41	1.184E-06	4.8692E-07	3.46E-04	1.69E-10	0.25	1.57E-01	6.62E-12	1,000,000	6.62E-06
300	0.48	1.184E-06	5.7015E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.75E-12	1,000,000	7.75E-06
301	0.55	1.184E-06	6.4529E-07	3.46E-04	2.23E-10	0.25	1.57E-01	8.78E-12	1,000,000	8.78E-06
302	0.65	1.184E-06	7.6692E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
303	0.76	1.184E-06	9.0472E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
304	0.91	1.184E-06	1.0816E-06	3.46E-04	3.74E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
305	1.02	1.184E-06	1.2073E-06	3.46E-04	4.18E-10	0.25	1.57E-01	1.64E-11	1,000,000	1.64E-05
306	1.05	1.184E-06	1.2374E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
307	1.08	1.184E-06	1.2828E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
308	1.08	1.184E-06	1.2818E-06	3.46E-04	4.44E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
309	1.19	1.184E-06	1.4085E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
310	1.13	1.184E-06	1.3407E-06	3.46E-04	4.64E-10	0.25	1.57E-01	1.82E-11	1,000,000	1.82E-05
311	1.10	1.184E-06	1.2986E-06	3.46E-04	4.50E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
312	1.11	1.184E-06	1.3108E-06	3.46E-04	4.54E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
313	1.04	1.184E-06	1.2346E-06	3.46E-04	4.27E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
314	0.98	1.184E-06	1.1603E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
315	0.19	1.184E-06	2.2313E-07	3.46E-04	7.72E-11	0.25	1.57E-01	3.03E-12	1,000,000	3.03E-06
316	0.21	1.184E-06	2.4422E-07	3.46E-04	8.45E-11	0.25	1.57E-01	3.32E-12	1,000,000	3.32E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.23	1.184E-06	2.6734E-07	3.46E-04	9.25E-11	0.25	1.57E-01	3.64E-12	1,000,000	3.64E-06
318	0.25	1.184E-06	2.9305E-07	3.46E-04	1.01E-10	0.25	1.57E-01	3.99E-12	1,000,000	3.99E-06
319	0.27	1.184E-06	3.2107E-07	3.46E-04	1.11E-10	0.25	1.57E-01	4.37E-12	1,000,000	4.37E-06
320	0.31	1.184E-06	3.7082E-07	3.46E-04	1.28E-10	0.25	1.57E-01	5.04E-12	1,000,000	5.04E-06
321	0.35	1.184E-06	4.1415E-07	3.46E-04	1.43E-10	0.25	1.57E-01	5.63E-12	1,000,000	5.63E-06
322	0.40	1.184E-06	4.7175E-07	3.46E-04	1.63E-10	0.25	1.57E-01	6.42E-12	1,000,000	6.42E-06
323	0.46	1.184E-06	5.4797E-07	3.46E-04	1.90E-10	0.25	1.57E-01	7.45E-12	1,000,000	7.45E-06
324	0.53	1.184E-06	6.2952E-07	3.46E-04	2.18E-10	0.25	1.57E-01	8.56E-12	1,000,000	8.56E-06
325	0.61	1.184E-06	7.2469E-07	3.46E-04	2.51E-10	0.25	1.57E-01	9.86E-12	1,000,000	9.86E-06
326	0.71	1.184E-06	8.3748E-07	3.46E-04	2.90E-10	0.25	1.57E-01	1.14E-11	1,000,000	1.14E-05
327	0.89	1.184E-06	1.0595E-06	3.46E-04	3.67E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
328	0.79	1.184E-06	9.3395E-07	3.46E-04	3.23E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
329	0.81	1.184E-06	9.5806E-07	3.46E-04	3.32E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
330	0.83	1.184E-06	9.8709E-07	3.46E-04	3.42E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
331	0.85	1.184E-06	1.0092E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
332	0.86	1.184E-06	1.0229E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
333	0.83	1.184E-06	9.8517E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
334	0.85	1.184E-06	1.0085E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
335	0.83	1.184E-06	9.8267E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
336	0.80	1.184E-06	9.4591E-07	3.46E-04	3.27E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
337	0.17	1.184E-06	2.0268E-07	3.46E-04	7.02E-11	0.25	1.57E-01	2.76E-12	1,000,000	2.76E-06
338	0.19	1.184E-06	2.1949E-07	3.46E-04	7.60E-11	0.25	1.57E-01	2.98E-12	1,000,000	2.98E-06
339	0.20	1.184E-06	2.3632E-07	3.46E-04	8.18E-11	0.25	1.57E-01	3.21E-12	1,000,000	3.21E-06
340	0.22	1.184E-06	2.6103E-07	3.46E-04	9.04E-11	0.25	1.57E-01	3.55E-12	1,000,000	3.55E-06
341	0.24	1.184E-06	2.8428E-07	3.46E-04	9.84E-11	0.25	1.57E-01	3.87E-12	1,000,000	3.87E-06
342	0.27	1.184E-06	3.2375E-07	3.46E-04	1.12E-10	0.25	1.57E-01	4.40E-12	1,000,000	4.40E-06
343	0.30	1.184E-06	3.5616E-07	3.46E-04	1.23E-10	0.25	1.57E-01	4.84E-12	1,000,000	4.84E-06
344	0.34	1.184E-06	4.0273E-07	3.46E-04	1.39E-10	0.25	1.57E-01	5.48E-12	1,000,000	5.48E-06
345	0.39	1.184E-06	4.5743E-07	3.46E-04	1.58E-10	0.25	1.57E-01	6.22E-12	1,000,000	6.22E-06
346	0.45	1.184E-06	5.2757E-07	3.46E-04	1.83E-10	0.25	1.57E-01	7.17E-12	1,000,000	7.17E-06
347	0.50	1.184E-06	5.8899E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.01E-12	1,000,000	8.01E-06
348	0.56	1.184E-06	6.5892E-07	3.46E-04	2.28E-10	0.25	1.57E-01	8.96E-12	1,000,000	8.96E-06
349	0.56	1.184E-06	6.6565E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.05E-12	1,000,000	9.05E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	0.60	1.184E-06	7.0503E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.59E-12	1,000,000	9.59E-06
351	0.62	1.184E-06	7.3865E-07	3.46E-04	2.56E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
352	0.62	1.184E-06	7.3705E-07	3.46E-04	2.55E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
353	0.66	1.184E-06	7.8075E-07	3.46E-04	2.70E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
354	0.66	1.184E-06	7.7582E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
355	0.66	1.184E-06	7.8604E-07	3.46E-04	2.72E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
356	0.67	1.184E-06	7.933E-07	3.46E-04	2.75E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
357	0.66	1.184E-06	7.7804E-07	3.46E-04	2.69E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
358	0.64	1.184E-06	7.5646E-07	3.46E-04	2.62E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
359	0.15	1.184E-06	1.809E-07	3.46E-04	6.26E-11	0.25	1.57E-01	2.46E-12	1,000,000	2.46E-06
360	0.17	1.184E-06	1.9633E-07	3.46E-04	6.80E-11	0.25	1.57E-01	2.67E-12	1,000,000	2.67E-06
361	0.18	1.184E-06	2.1201E-07	3.46E-04	7.34E-11	0.25	1.57E-01	2.88E-12	1,000,000	2.88E-06
362	0.19	1.184E-06	2.2989E-07	3.46E-04	7.96E-11	0.25	1.57E-01	3.13E-12	1,000,000	3.13E-06
363	0.21	1.184E-06	2.4843E-07	3.46E-04	8.60E-11	0.25	1.57E-01	3.38E-12	1,000,000	3.38E-06
364	0.23	1.184E-06	2.77E-07	3.46E-04	9.59E-11	0.25	1.57E-01	3.77E-12	1,000,000	3.77E-06
365	0.26	1.184E-06	3.0893E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.20E-12	1,000,000	4.20E-06
366	0.29	1.184E-06	3.4726E-07	3.46E-04	1.20E-10	0.25	1.57E-01	4.72E-12	1,000,000	4.72E-06
367	0.33	1.184E-06	3.9622E-07	3.46E-04	1.37E-10	0.25	1.57E-01	5.39E-12	1,000,000	5.39E-06
368	0.37	1.184E-06	4.4108E-07	3.46E-04	1.53E-10	0.25	1.57E-01	6.00E-12	1,000,000	6.00E-06
369	0.41	1.184E-06	4.7972E-07	3.46E-04	1.66E-10	0.25	1.57E-01	6.52E-12	1,000,000	6.52E-06
370	0.43	1.184E-06	5.0914E-07	3.46E-04	1.76E-10	0.25	1.57E-01	6.92E-12	1,000,000	6.92E-06
371	0.46	1.184E-06	5.4683E-07	3.46E-04	1.89E-10	0.25	1.57E-01	7.44E-12	1,000,000	7.44E-06
372	0.48	1.184E-06	5.7372E-07	3.46E-04	1.99E-10	0.25	1.57E-01	7.80E-12	1,000,000	7.80E-06
373	0.49	1.184E-06	5.8208E-07	3.46E-04	2.01E-10	0.25	1.57E-01	7.92E-12	1,000,000	7.92E-06
374	0.49	1.184E-06	5.8307E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.93E-12	1,000,000	7.93E-06
375	0.52	1.184E-06	6.0996E-07	3.46E-04	2.11E-10	0.25	1.57E-01	8.30E-12	1,000,000	8.30E-06
376	0.52	1.184E-06	6.1131E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.31E-12	1,000,000	8.31E-06
377	0.52	1.184E-06	6.2037E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.44E-12	1,000,000	8.44E-06
378	0.55	1.184E-06	6.5457E-07	3.46E-04	2.27E-10	0.25	1.57E-01	8.90E-12	1,000,000	8.90E-06
379	0.55	1.184E-06	6.5636E-07	3.46E-04	2.27E-10	0.25	1.57E-01	8.93E-12	1,000,000	8.93E-06
380	0.53	1.184E-06	6.277E-07	3.46E-04	2.17E-10	0.25	1.57E-01	8.54E-12	1,000,000	8.54E-06
381	0.68	1.184E-06	8.0411E-07	3.46E-04	2.78E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
382	0.79	1.184E-06	9.3465E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	0.93	1.184E-06	1.0966E-06	3.46E-04	3.80E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
384	1.10	1.184E-06	1.3015E-06	3.46E-04	4.51E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
385	1.32	1.184E-06	1.5578E-06	3.46E-04	5.39E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
386	1.62	1.184E-06	1.9195E-06	3.46E-04	6.64E-10	0.25	1.57E-01	2.61E-11	1,000,000	2.61E-05
387	2.04	1.184E-06	2.4196E-06	3.46E-04	8.38E-10	0.25	1.57E-01	3.29E-11	1,000,000	3.29E-05
388	2.60	1.184E-06	3.0766E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.18E-11	1,000,000	4.18E-05
389	3.39	1.184E-06	4.0183E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
390	4.65	1.184E-06	5.5101E-06	3.46E-04	1.91E-09	0.25	1.57E-01	7.49E-11	1,000,000	7.49E-05
391	6.90	1.184E-06	8.1657E-06	3.46E-04	2.83E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
392	11.96	1.184E-06	1.4156E-05	3.46E-04	4.90E-09	0.25	1.57E-01	1.93E-10	1,000,000	1.93E-04
393	35.49	1.184E-06	4.2023E-05	3.46E-04	1.45E-08	0.25	1.57E-01	5.71E-10	1,000,000	5.71E-04
394	23.26	1.184E-06	2.7544E-05	3.46E-04	9.53E-09	0.25	1.57E-01	3.75E-10	1,000,000	3.75E-04
395	10.41	1.184E-06	1.2323E-05	3.46E-04	4.27E-09	0.25	1.57E-01	1.68E-10	1,000,000	1.68E-04
396	6.41	1.184E-06	7.592E-06	3.46E-04	2.63E-09	0.25	1.57E-01	1.03E-10	1,000,000	1.03E-04
397	4.45	1.184E-06	5.2715E-06	3.46E-04	1.82E-09	0.25	1.57E-01	7.17E-11	1,000,000	7.17E-05
398	3.30	1.184E-06	3.9055E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.31E-11	1,000,000	5.31E-05
399	0.67	1.184E-06	7.9056E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
400	0.77	1.184E-06	9.1052E-07	3.46E-04	3.15E-10	0.25	1.57E-01	1.24E-11	1,000,000	1.24E-05
401	0.89	1.184E-06	1.0565E-06	3.46E-04	3.66E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
402	1.08	1.184E-06	1.2807E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
403	1.35	1.184E-06	1.5954E-06	3.46E-04	5.52E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
404	1.71	1.184E-06	2.0281E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
405	2.19	1.184E-06	2.5901E-06	3.46E-04	8.97E-10	0.25	1.57E-01	3.52E-11	1,000,000	3.52E-05
406	2.84	1.184E-06	3.3657E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.58E-11	1,000,000	4.58E-05
407	3.83	1.184E-06	4.5363E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
408	5.47	1.184E-06	6.4812E-06	3.46E-04	2.24E-09	0.25	1.57E-01	8.81E-11	1,000,000	8.81E-05
409	8.67	1.184E-06	1.0259E-05	3.46E-04	3.55E-09	0.25	1.57E-01	1.40E-10	1,000,000	1.40E-04
410	17.02	1.184E-06	2.0146E-05	3.46E-04	6.97E-09	0.25	1.57E-01	2.74E-10	1,000,000	2.74E-04
411	72.21	1.184E-06	8.5497E-05	3.46E-04	2.96E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
412	44.61	1.184E-06	5.2813E-05	3.46E-04	1.83E-08	0.25	1.57E-01	7.18E-10	1,000,000	7.18E-04
413	15.29	1.184E-06	1.8103E-05	3.46E-04	6.27E-09	0.25	1.57E-01	2.46E-10	1,000,000	2.46E-04
414	8.38	1.184E-06	9.9197E-06	3.46E-04	3.43E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
415	5.43	1.184E-06	6.4331E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.75E-11	1,000,000	8.75E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	3.84	1.184E-06	4.5478E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.18E-11	1,000,000	6.18E-05
417	0.63	1.184E-06	7.4236E-07	3.46E-04	2.57E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
418	0.73	1.184E-06	8.6521E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
419	0.87	1.184E-06	1.0245E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
420	1.08	1.184E-06	1.2749E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
421	1.35	1.184E-06	1.5975E-06	3.46E-04	5.53E-10	0.25	1.57E-01	2.17E-11	1,000,000	2.17E-05
422	1.69	1.184E-06	2.0022E-06	3.46E-04	6.93E-10	0.25	1.57E-01	2.72E-11	1,000,000	2.72E-05
423	2.18	1.184E-06	2.5828E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
424	2.91	1.184E-06	3.4487E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.69E-11	1,000,000	4.69E-05
425	4.09	1.184E-06	4.8373E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.58E-11	1,000,000	6.58E-05
426	6.00	1.184E-06	7.0996E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.65E-11	1,000,000	9.65E-05
427	9.81	1.184E-06	1.161E-05	3.46E-04	4.02E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
428	19.41	1.184E-06	2.2983E-05	3.46E-04	7.96E-09	0.25	1.57E-01	3.13E-10	1,000,000	3.13E-04
429	73.27	1.184E-06	8.6753E-05	3.46E-04	3.00E-08	0.25	1.57E-01	1.18E-09	1,000,000	1.18E-03
430	51.27	1.184E-06	6.0706E-05	3.46E-04	2.10E-08	0.25	1.57E-01	8.26E-10	1,000,000	8.26E-04
431	18.22	1.184E-06	2.1573E-05	3.46E-04	7.47E-09	0.25	1.57E-01	2.93E-10	1,000,000	2.93E-04
432	9.83	1.184E-06	1.164E-05	3.46E-04	4.03E-09	0.25	1.57E-01	1.58E-10	1,000,000	1.58E-04
433	6.24	1.184E-06	7.3889E-06	3.46E-04	2.56E-09	0.25	1.57E-01	1.00E-10	1,000,000	1.00E-04
434	4.32	1.184E-06	5.1186E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.96E-11	1,000,000	6.96E-05
435	0.57	1.184E-06	6.7655E-07	3.46E-04	2.34E-10	0.25	1.57E-01	9.20E-12	1,000,000	9.20E-06
436	0.67	1.184E-06	7.9781E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
437	0.83	1.184E-06	9.8453E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
438	1.06	1.184E-06	1.2531E-06	3.46E-04	4.34E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
439	1.29	1.184E-06	1.5322E-06	3.46E-04	5.30E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
440	1.63	1.184E-06	1.9325E-06	3.46E-04	6.69E-10	0.25	1.57E-01	2.63E-11	1,000,000	2.63E-05
441	2.13	1.184E-06	2.5252E-06	3.46E-04	8.74E-10	0.25	1.57E-01	3.43E-11	1,000,000	3.43E-05
442	2.86	1.184E-06	3.3898E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.61E-11	1,000,000	4.61E-05
443	4.03	1.184E-06	4.7741E-06	3.46E-04	1.65E-09	0.25	1.57E-01	6.49E-11	1,000,000	6.49E-05
444	6.08	1.184E-06	7.1961E-06	3.46E-04	2.49E-09	0.25	1.57E-01	9.79E-11	1,000,000	9.79E-05
445	10.09	1.184E-06	1.1946E-05	3.46E-04	4.14E-09	0.25	1.57E-01	1.62E-10	1,000,000	1.62E-04
446	19.91	1.184E-06	2.3577E-05	3.46E-04	8.16E-09	0.25	1.57E-01	3.21E-10	1,000,000	3.21E-04
447	71.84	1.184E-06	8.5056E-05	3.46E-04	2.94E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
448	53.59	1.184E-06	6.3455E-05	3.46E-04	2.20E-08	0.25	1.57E-01	8.63E-10	1,000,000	8.63E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	19.33	1.184E-06	2.2884E-05	3.46E-04	7.92E-09	0.25	1.57E-01	3.11E-10	1,000,000	3.11E-04
450	10.50	1.184E-06	1.2437E-05	3.46E-04	4.31E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
451	6.63	1.184E-06	7.8457E-06	3.46E-04	2.72E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
452	4.59	1.184E-06	5.4331E-06	3.46E-04	1.88E-09	0.25	1.57E-01	7.39E-11	1,000,000	7.39E-05
453	0.52	1.184E-06	6.2083E-07	3.46E-04	2.15E-10	0.25	1.57E-01	8.44E-12	1,000,000	8.44E-06
454	0.62	1.184E-06	7.3031E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.93E-12	1,000,000	9.93E-06
455	0.76	1.184E-06	9.0092E-07	3.46E-04	3.12E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
456	0.94	1.184E-06	1.1159E-06	3.46E-04	3.86E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
457	1.19	1.184E-06	1.4108E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
458	1.49	1.184E-06	1.7677E-06	3.46E-04	6.12E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
459	1.99	1.184E-06	2.3507E-06	3.46E-04	8.14E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
460	2.69	1.184E-06	3.1812E-06	3.46E-04	1.10E-09	0.25	1.57E-01	4.33E-11	1,000,000	4.33E-05
461	3.83	1.184E-06	4.5402E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.17E-11	1,000,000	6.17E-05
462	5.74	1.184E-06	6.7981E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
463	9.50	1.184E-06	1.1248E-05	3.46E-04	3.89E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
464	19.01	1.184E-06	2.2512E-05	3.46E-04	7.79E-09	0.25	1.57E-01	3.06E-10	1,000,000	3.06E-04
465	69.50	1.184E-06	8.2285E-05	3.46E-04	2.85E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
466	53.91	1.184E-06	6.3824E-05	3.46E-04	2.21E-08	0.25	1.57E-01	8.68E-10	1,000,000	8.68E-04
467	19.12	1.184E-06	2.2634E-05	3.46E-04	7.84E-09	0.25	1.57E-01	3.08E-10	1,000,000	3.08E-04
468	10.39	1.184E-06	1.2306E-05	3.46E-04	4.26E-09	0.25	1.57E-01	1.67E-10	1,000,000	1.67E-04
469	6.62	1.184E-06	7.8422E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.07E-10	1,000,000	1.07E-04
470	4.62	1.184E-06	5.4651E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.43E-11	1,000,000	7.43E-05
471	0.47	1.184E-06	5.6014E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.62E-12	1,000,000	7.62E-06
472	0.57	1.184E-06	6.7223E-07	3.46E-04	2.33E-10	0.25	1.57E-01	9.14E-12	1,000,000	9.14E-06
473	0.69	1.184E-06	8.1195E-07	3.46E-04	2.81E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
474	0.83	1.184E-06	9.7726E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
475	1.00	1.184E-06	1.1884E-06	3.46E-04	4.11E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
476	52.09	1.184E-06	6.1677E-05	3.46E-04	2.14E-08	0.25	1.57E-01	8.39E-10	1,000,000	8.39E-04
477	17.40	1.184E-06	2.06E-05	3.46E-04	7.13E-09	0.25	1.57E-01	2.80E-10	1,000,000	2.80E-04
478	9.51	1.184E-06	1.126E-05	3.46E-04	3.90E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
479	6.20	1.184E-06	7.338E-06	3.46E-04	2.54E-09	0.25	1.57E-01	9.98E-11	1,000,000	9.98E-05
480	4.40	1.184E-06	5.212E-06	3.46E-04	1.80E-09	0.25	1.57E-01	7.09E-11	1,000,000	7.09E-05
481	0.43	1.184E-06	5.1281E-07	3.46E-04	1.78E-10	0.25	1.57E-01	6.97E-12	1,000,000	6.97E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	0.52	1.184E-06	6.1241E-07	3.46E-04	2.12E-10	0.25	1.57E-01	8.33E-12	1,000,000	8.33E-06
483	0.60	1.184E-06	7.1345E-07	3.46E-04	2.47E-10	0.25	1.57E-01	9.70E-12	1,000,000	9.70E-06
484	0.72	1.184E-06	8.5231E-07	3.46E-04	2.95E-10	0.25	1.57E-01	1.16E-11	1,000,000	1.16E-05
485	0.91	1.184E-06	1.0827E-06	3.46E-04	3.75E-10	0.25	1.57E-01	1.47E-11	1,000,000	1.47E-05
486	34.86	1.184E-06	4.1271E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.61E-10	1,000,000	5.61E-04
487	13.31	1.184E-06	1.5754E-05	3.46E-04	5.45E-09	0.25	1.57E-01	2.14E-10	1,000,000	2.14E-04
488	7.90	1.184E-06	9.3532E-06	3.46E-04	3.24E-09	0.25	1.57E-01	1.27E-10	1,000,000	1.27E-04
489	5.37	1.184E-06	6.3614E-06	3.46E-04	2.20E-09	0.25	1.57E-01	8.65E-11	1,000,000	8.65E-05
490	3.97	1.184E-06	4.6965E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
491	0.39	1.184E-06	4.6356E-07	3.46E-04	1.60E-10	0.25	1.57E-01	6.30E-12	1,000,000	6.30E-06
492	0.46	1.184E-06	5.4135E-07	3.46E-04	1.87E-10	0.25	1.57E-01	7.36E-12	1,000,000	7.36E-06
493	0.53	1.184E-06	6.2516E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.50E-12	1,000,000	8.50E-06
494	0.63	1.184E-06	7.4614E-07	3.46E-04	2.58E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
495	0.78	1.184E-06	9.1997E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
496	1.72	1.184E-06	2.0308E-06	3.46E-04	7.03E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
497	2.15	1.184E-06	2.54E-06	3.46E-04	8.79E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
498	11.30	1.184E-06	1.3384E-05	3.46E-04	4.63E-09	0.25	1.57E-01	1.82E-10	1,000,000	1.82E-04
499	10.93	1.184E-06	1.2938E-05	3.46E-04	4.48E-09	0.25	1.57E-01	1.76E-10	1,000,000	1.76E-04
500	7.98	1.184E-06	9.4475E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.28E-10	1,000,000	1.28E-04
501	5.70	1.184E-06	6.7439E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.17E-11	1,000,000	9.17E-05
502	4.31	1.184E-06	5.1041E-06	3.46E-04	1.77E-09	0.25	1.57E-01	6.94E-11	1,000,000	6.94E-05
503	3.37	1.184E-06	3.9875E-06	3.46E-04	1.38E-09	0.25	1.57E-01	5.42E-11	1,000,000	5.42E-05
504	0.35	1.184E-06	4.1961E-07	3.46E-04	1.45E-10	0.25	1.57E-01	5.71E-12	1,000,000	5.71E-06
505	0.40	1.184E-06	4.7336E-07	3.46E-04	1.64E-10	0.25	1.57E-01	6.44E-12	1,000,000	6.44E-06
506	0.47	1.184E-06	5.611E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.63E-12	1,000,000	7.63E-06
507	0.55	1.184E-06	6.457E-07	3.46E-04	2.24E-10	0.25	1.57E-01	8.78E-12	1,000,000	8.78E-06
508	0.67	1.184E-06	7.9588E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
509	0.81	1.184E-06	9.6398E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
510	1.01	1.184E-06	1.1927E-06	3.46E-04	4.13E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
511	1.29	1.184E-06	1.5275E-06	3.46E-04	5.29E-10	0.25	1.57E-01	2.08E-11	1,000,000	2.08E-05
512	1.73	1.184E-06	2.0427E-06	3.46E-04	7.07E-10	0.25	1.57E-01	2.78E-11	1,000,000	2.78E-05
513	2.28	1.184E-06	2.7001E-06	3.46E-04	9.35E-10	0.25	1.57E-01	3.67E-11	1,000,000	3.67E-05
514	3.13	1.184E-06	3.7093E-06	3.46E-04	1.28E-09	0.25	1.57E-01	5.04E-11	1,000,000	5.04E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	4.15	1.184E-06	4.9138E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
516	5.04	1.184E-06	5.9692E-06	3.46E-04	2.07E-09	0.25	1.57E-01	8.12E-11	1,000,000	8.12E-05
517	5.24	1.184E-06	6.2057E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.44E-11	1,000,000	8.44E-05
518	4.60	1.184E-06	5.4459E-06	3.46E-04	1.89E-09	0.25	1.57E-01	7.41E-11	1,000,000	7.41E-05
519	3.87	1.184E-06	4.5778E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.23E-11	1,000,000	6.23E-05
520	3.24	1.184E-06	3.8393E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
521	2.71	1.184E-06	3.2124E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
522	0.32	1.184E-06	3.7627E-07	3.46E-04	1.30E-10	0.25	1.57E-01	5.12E-12	1,000,000	5.12E-06
523	0.36	1.184E-06	4.303E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.85E-12	1,000,000	5.85E-06
524	0.42	1.184E-06	4.9464E-07	3.46E-04	1.71E-10	0.25	1.57E-01	6.73E-12	1,000,000	6.73E-06
525	0.48	1.184E-06	5.6983E-07	3.46E-04	1.97E-10	0.25	1.57E-01	7.75E-12	1,000,000	7.75E-06
526	0.55	1.184E-06	6.494E-07	3.46E-04	2.25E-10	0.25	1.57E-01	8.83E-12	1,000,000	8.83E-06
527	0.69	1.184E-06	8.1134E-07	3.46E-04	2.81E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
528	0.83	1.184E-06	9.8362E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
529	1.03	1.184E-06	1.2175E-06	3.46E-04	4.21E-10	0.25	1.57E-01	1.66E-11	1,000,000	1.66E-05
530	1.31	1.184E-06	1.5566E-06	3.46E-04	5.39E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
531	1.67	1.184E-06	1.9827E-06	3.46E-04	6.86E-10	0.25	1.57E-01	2.70E-11	1,000,000	2.70E-05
532	2.14	1.184E-06	2.5307E-06	3.46E-04	8.76E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
533	2.74	1.184E-06	3.2403E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.41E-11	1,000,000	4.41E-05
534	2.86	1.184E-06	3.3834E-06	3.46E-04	1.17E-09	0.25	1.57E-01	4.60E-11	1,000,000	4.60E-05
535	3.04	1.184E-06	3.5974E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
536	2.90	1.184E-06	3.4286E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.66E-11	1,000,000	4.66E-05
537	2.72	1.184E-06	3.2224E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
538	2.38	1.184E-06	2.8232E-06	3.46E-04	9.77E-10	0.25	1.57E-01	3.84E-11	1,000,000	3.84E-05
539	2.14	1.184E-06	2.5305E-06	3.46E-04	8.76E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
540	0.29	1.184E-06	3.3794E-07	3.46E-04	1.17E-10	0.25	1.57E-01	4.60E-12	1,000,000	4.60E-06
541	0.32	1.184E-06	3.8244E-07	3.46E-04	1.32E-10	0.25	1.57E-01	5.20E-12	1,000,000	5.20E-06
542	0.37	1.184E-06	4.3412E-07	3.46E-04	1.50E-10	0.25	1.57E-01	5.90E-12	1,000,000	5.90E-06
543	0.42	1.184E-06	4.9625E-07	3.46E-04	1.72E-10	0.25	1.57E-01	6.75E-12	1,000,000	6.75E-06
544	0.49	1.184E-06	5.8358E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.94E-12	1,000,000	7.94E-06
545	0.57	1.184E-06	6.7438E-07	3.46E-04	2.33E-10	0.25	1.57E-01	9.17E-12	1,000,000	9.17E-06
546	0.68	1.184E-06	8.0774E-07	3.46E-04	2.80E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
547	0.81	1.184E-06	9.6415E-07	3.46E-04	3.34E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.01	1.184E-06	1.1979E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
549	1.24	1.184E-06	1.4671E-06	3.46E-04	5.08E-10	0.25	1.57E-01	2.00E-11	1,000,000	2.00E-05
550	1.55	1.184E-06	1.8326E-06	3.46E-04	6.34E-10	0.25	1.57E-01	2.49E-11	1,000,000	2.49E-05
551	2.12	1.184E-06	2.5071E-06	3.46E-04	8.68E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
552	1.90	1.184E-06	2.2457E-06	3.46E-04	7.77E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
553	1.90	1.184E-06	2.2456E-06	3.46E-04	7.77E-10	0.25	1.57E-01	3.05E-11	1,000,000	3.05E-05
554	1.84	1.184E-06	2.1739E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
555	2.06	1.184E-06	2.4346E-06	3.46E-04	8.43E-10	0.25	1.57E-01	3.31E-11	1,000,000	3.31E-05
556	1.85	1.184E-06	2.1856E-06	3.46E-04	7.57E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
557	1.65	1.184E-06	1.9551E-06	3.46E-04	6.77E-10	0.25	1.57E-01	2.66E-11	1,000,000	2.66E-05
558	0.26	1.184E-06	3.0433E-07	3.46E-04	1.05E-10	0.25	1.57E-01	4.14E-12	1,000,000	4.14E-06
559	0.29	1.184E-06	3.4192E-07	3.46E-04	1.18E-10	0.25	1.57E-01	4.65E-12	1,000,000	4.65E-06
560	0.32	1.184E-06	3.7814E-07	3.46E-04	1.31E-10	0.25	1.57E-01	5.14E-12	1,000,000	5.14E-06
561	0.36	1.184E-06	4.3024E-07	3.46E-04	1.49E-10	0.25	1.57E-01	5.85E-12	1,000,000	5.85E-06
562	0.41	1.184E-06	4.8429E-07	3.46E-04	1.68E-10	0.25	1.57E-01	6.59E-12	1,000,000	6.59E-06
563	0.47	1.184E-06	5.5757E-07	3.46E-04	1.93E-10	0.25	1.57E-01	7.58E-12	1,000,000	7.58E-06
564	0.56	1.184E-06	6.6552E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.05E-12	1,000,000	9.05E-06
565	0.65	1.184E-06	7.7417E-07	3.46E-04	2.68E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
566	0.79	1.184E-06	9.3986E-07	3.46E-04	3.25E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
567	0.94	1.184E-06	1.1165E-06	3.46E-04	3.87E-10	0.25	1.57E-01	1.52E-11	1,000,000	1.52E-05
568	1.14	1.184E-06	1.3487E-06	3.46E-04	4.67E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
569	1.18	1.184E-06	1.3997E-06	3.46E-04	4.85E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
570	1.22	1.184E-06	1.446E-06	3.46E-04	5.01E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
571	1.30	1.184E-06	1.5348E-06	3.46E-04	5.31E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
572	1.37	1.184E-06	1.6196E-06	3.46E-04	5.61E-10	0.25	1.57E-01	2.20E-11	1,000,000	2.20E-05
573	1.33	1.184E-06	1.5698E-06	3.46E-04	5.43E-10	0.25	1.57E-01	2.13E-11	1,000,000	2.13E-05
574	1.28	1.184E-06	1.5115E-06	3.46E-04	5.23E-10	0.25	1.57E-01	2.06E-11	1,000,000	2.06E-05
575	1.27	1.184E-06	1.5041E-06	3.46E-04	5.21E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.184E-06	6.8475E-07	1.05E-03	7.16E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.2E-04
2	1.184E-06	7.7021E-07	1.05E-03	8.05E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
3	1.184E-06	8.6691E-07	1.05E-03	9.06E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
4	1.184E-06	9.878E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
5	1.184E-06	1.1208E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.68E-10	1,000,000	3.68E-04
6	1.184E-06	1.2819E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
7	1.184E-06	1.4792E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.86E-10	1,000,000	4.86E-04
8	1.184E-06	1.7225E-06	1.05E-03	1.80E-09	2.00	1.57E-01	5.66E-10	1,000,000	5.66E-04
9	1.184E-06	2.0254E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.65E-10	1,000,000	6.65E-04
10	1.184E-06	2.4032E-06	1.05E-03	2.51E-09	2.00	1.57E-01	7.89E-10	1,000,000	7.89E-04
11	1.184E-06	2.8712E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.43E-10	1,000,000	9.43E-04
12	1.184E-06	3.4356E-06	1.05E-03	3.59E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
13	1.184E-06	4.0593E-06	1.05E-03	4.24E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
14	1.184E-06	4.5943E-06	1.05E-03	4.80E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
15	1.184E-06	4.7695E-06	1.05E-03	4.99E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
16	1.184E-06	4.4525E-06	1.05E-03	4.65E-09	2.00	1.57E-01	1.46E-09	1,000,000	1.46E-03
17	1.184E-06	3.8735E-06	1.05E-03	4.05E-09	2.00	1.57E-01	1.27E-09	1,000,000	1.27E-03
18	1.184E-06	3.2638E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
19	1.184E-06	2.7273E-06	1.05E-03	2.85E-09	2.00	1.57E-01	8.96E-10	1,000,000	8.96E-04
20	1.184E-06	2.2939E-06	1.05E-03	2.40E-09	2.00	1.57E-01	7.54E-10	1,000,000	7.54E-04
21	1.184E-06	1.9433E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.38E-10	1,000,000	6.38E-04
22	1.184E-06	1.659E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
23	1.184E-06	6.906E-07	1.05E-03	7.22E-10	2.00	1.57E-01	2.27E-10	1,000,000	2.27E-04
24	1.184E-06	7.8117E-07	1.05E-03	8.16E-10	2.00	1.57E-01	2.57E-10	1,000,000	2.57E-04
25	1.184E-06	8.8783E-07	1.05E-03	9.28E-10	2.00	1.57E-01	2.92E-10	1,000,000	2.92E-04
26	1.184E-06	1.0186E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.184E-06	1.1795E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.87E-10	1,000,000	3.87E-04
28	1.184E-06	1.3622E-06	1.05E-03	1.42E-09	2.00	1.57E-01	4.47E-10	1,000,000	4.47E-04
29	1.184E-06	1.6166E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.31E-10	1,000,000	5.31E-04
30	1.184E-06	1.917E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.30E-10	1,000,000	6.30E-04
31	1.184E-06	2.3079E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.58E-10	1,000,000	7.58E-04
32	1.184E-06	2.8264E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.28E-10	1,000,000	9.28E-04
33	1.184E-06	3.5271E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
34	1.184E-06	4.4927E-06	1.05E-03	4.70E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03
35	1.184E-06	5.8031E-06	1.05E-03	6.07E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
36	1.184E-06	7.316E-06	1.05E-03	7.65E-09	2.00	1.57E-01	2.40E-09	1,000,000	2.40E-03
37	1.184E-06	7.9159E-06	1.05E-03	8.27E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
38	1.184E-06	6.8582E-06	1.05E-03	7.17E-09	2.00	1.57E-01	2.25E-09	1,000,000	2.25E-03
39	1.184E-06	5.4031E-06	1.05E-03	5.65E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
40	1.184E-06	4.2181E-06	1.05E-03	4.41E-09	2.00	1.57E-01	1.39E-09	1,000,000	1.39E-03
41	1.184E-06	3.341E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
42	1.184E-06	2.697E-06	1.05E-03	2.82E-09	2.00	1.57E-01	8.86E-10	1,000,000	8.86E-04
43	1.184E-06	2.216E-06	1.05E-03	2.32E-09	2.00	1.57E-01	7.28E-10	1,000,000	7.28E-04
44	1.184E-06	1.8616E-06	1.05E-03	1.95E-09	2.00	1.57E-01	6.12E-10	1,000,000	6.12E-04
45	1.184E-06	6.8314E-07	1.05E-03	7.14E-10	2.00	1.57E-01	2.24E-10	1,000,000	2.24E-04
46	1.184E-06	7.7641E-07	1.05E-03	8.12E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
47	1.184E-06	8.8638E-07	1.05E-03	9.26E-10	2.00	1.57E-01	2.91E-10	1,000,000	2.91E-04
48	1.184E-06	1.0205E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
49	1.184E-06	1.1972E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
50	1.184E-06	1.4193E-06	1.05E-03	1.48E-09	2.00	1.57E-01	4.66E-10	1,000,000	4.66E-04
51	1.184E-06	1.7046E-06	1.05E-03	1.78E-09	2.00	1.57E-01	5.60E-10	1,000,000	5.60E-04
52	1.184E-06	2.0876E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.86E-10	1,000,000	6.86E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.184E-06	2.5932E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.52E-10	1,000,000	8.52E-04
54	1.184E-06	3.2777E-06	1.05E-03	3.43E-09	2.00	1.57E-01	1.08E-09	1,000,000	1.08E-03
55	1.184E-06	4.284E-06	1.05E-03	4.48E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
56	1.184E-06	5.868E-06	1.05E-03	6.13E-09	2.00	1.57E-01	1.93E-09	1,000,000	1.93E-03
57	1.184E-06	8.6374E-06	1.05E-03	9.03E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
58	1.184E-06	1.4294E-05	1.05E-03	1.49E-08	2.00	1.57E-01	4.70E-09	1,000,000	4.70E-03
59	1.184E-06	1.9744E-05	1.05E-03	2.06E-08	2.00	1.57E-01	6.49E-09	1,000,000	6.49E-03
60	1.184E-06	1.2225E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.02E-09	1,000,000	4.02E-03
61	1.184E-06	7.8481E-06	1.05E-03	8.20E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
62	1.184E-06	5.503E-06	1.05E-03	5.75E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
63	1.184E-06	4.093E-06	1.05E-03	4.28E-09	2.00	1.57E-01	1.34E-09	1,000,000	1.34E-03
64	1.184E-06	3.1724E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
65	1.184E-06	2.5374E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.34E-10	1,000,000	8.34E-04
66	1.184E-06	2.0791E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.83E-10	1,000,000	6.83E-04
67	1.184E-06	6.5758E-07	1.05E-03	6.87E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
68	1.184E-06	7.5512E-07	1.05E-03	7.89E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
69	1.184E-06	8.5851E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
70	1.184E-06	1.006E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.30E-10	1,000,000	3.30E-04
71	1.184E-06	1.1908E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.91E-10	1,000,000	3.91E-04
72	1.184E-06	1.4315E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
73	1.184E-06	1.7442E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
74	1.184E-06	2.2041E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.24E-10	1,000,000	7.24E-04
75	1.184E-06	2.8285E-06	1.05E-03	2.96E-09	2.00	1.57E-01	9.29E-10	1,000,000	9.29E-04
76	1.184E-06	3.7051E-06	1.05E-03	3.87E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03
77	1.184E-06	5.0393E-06	1.05E-03	5.27E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
78	1.184E-06	7.3559E-06	1.05E-03	7.69E-09	2.00	1.57E-01	2.42E-09	1,000,000	2.42E-03
79	1.184E-06	1.2246E-05	1.05E-03	1.28E-08	2.00	1.57E-01	4.02E-09	1,000,000	4.02E-03
80	1.184E-06	2.9236E-05	1.05E-03	3.06E-08	2.00	1.57E-01	9.60E-09	1,000,000	9.60E-03
81	1.184E-06	9.2894E-05	1.05E-03	9.71E-08	2.00	1.57E-01	3.05E-08	1,000,000	3.05E-02
82	1.184E-06	2.3116E-05	1.05E-03	2.42E-08	2.00	1.57E-01	7.59E-09	1,000,000	7.59E-03
83	1.184E-06	1.1299E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.71E-09	1,000,000	3.71E-03
84	1.184E-06	7.0951E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
85	1.184E-06	4.9307E-06	1.05E-03	5.15E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.184E-06	3.6874E-06	1.05E-03	3.85E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
87	1.184E-06	2.8659E-06	1.05E-03	3.00E-09	2.00	1.57E-01	9.41E-10	1,000,000	9.41E-04
88	1.184E-06	2.302E-06	1.05E-03	2.41E-09	2.00	1.57E-01	7.56E-10	1,000,000	7.56E-04
89	1.184E-06	6.2249E-07	1.05E-03	6.51E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04
90	1.184E-06	7.3234E-07	1.05E-03	7.65E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
91	1.184E-06	8.3953E-07	1.05E-03	8.77E-10	2.00	1.57E-01	2.76E-10	1,000,000	2.76E-04
92	1.184E-06	9.663E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
93	1.184E-06	1.1394E-06	1.05E-03	1.19E-09	2.00	1.57E-01	3.74E-10	1,000,000	3.74E-04
94	1.184E-06	1.4234E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.68E-10	1,000,000	4.68E-04
95	1.184E-06	1.7837E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.86E-10	1,000,000	5.86E-04
96	1.184E-06	2.2724E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.46E-10	1,000,000	7.46E-04
97	1.184E-06	2.9527E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.70E-10	1,000,000	9.70E-04
98	1.184E-06	3.9868E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
99	1.184E-06	5.6483E-06	1.05E-03	5.90E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
100	1.184E-06	8.5605E-06	1.05E-03	8.95E-09	2.00	1.57E-01	2.81E-09	1,000,000	2.81E-03
101	1.184E-06	1.4978E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.92E-09	1,000,000	4.92E-03
102	1.184E-06	3.6827E-05	1.05E-03	3.85E-08	2.00	1.57E-01	1.21E-08	1,000,000	1.21E-02
103	1.184E-06	7.7369E-05	1.05E-03	8.09E-08	2.00	1.57E-01	2.54E-08	1,000,000	2.54E-02
104	1.184E-06	3.1042E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
105	1.184E-06	1.4425E-05	1.05E-03	1.51E-08	2.00	1.57E-01	4.74E-09	1,000,000	4.74E-03
106	1.184E-06	8.5888E-06	1.05E-03	8.98E-09	2.00	1.57E-01	2.82E-09	1,000,000	2.82E-03
107	1.184E-06	5.7669E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
108	1.184E-06	4.1717E-06	1.05E-03	4.36E-09	2.00	1.57E-01	1.37E-09	1,000,000	1.37E-03
109	1.184E-06	3.1735E-06	1.05E-03	3.32E-09	2.00	1.57E-01	1.04E-09	1,000,000	1.04E-03
110	1.184E-06	2.5101E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.25E-10	1,000,000	8.25E-04
111	1.184E-06	5.7808E-07	1.05E-03	6.04E-10	2.00	1.57E-01	1.90E-10	1,000,000	1.90E-04
112	1.184E-06	6.8222E-07	1.05E-03	7.13E-10	2.00	1.57E-01	2.24E-10	1,000,000	2.24E-04
113	1.184E-06	7.587E-07	1.05E-03	7.93E-10	2.00	1.57E-01	2.49E-10	1,000,000	2.49E-04
114	1.184E-06	8.7967E-07	1.05E-03	9.19E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
115	1.184E-06	1.0969E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.60E-10	1,000,000	3.60E-04
116	1.184E-06	1.4089E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
117	1.184E-06	1.7605E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
118	1.184E-06	2.2297E-06	1.05E-03	2.33E-09	2.00	1.57E-01	7.32E-10	1,000,000	7.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.184E-06	2.9501E-06	1.05E-03	3.08E-09	2.00	1.57E-01	9.69E-10	1,000,000	9.69E-04
120	1.184E-06	4.0443E-06	1.05E-03	4.23E-09	2.00	1.57E-01	1.33E-09	1,000,000	1.33E-03
121	1.184E-06	5.8135E-06	1.05E-03	6.08E-09	2.00	1.57E-01	1.91E-09	1,000,000	1.91E-03
122	1.184E-06	9.1473E-06	1.05E-03	9.56E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
123	1.184E-06	1.6207E-05	1.05E-03	1.69E-08	2.00	1.57E-01	5.32E-09	1,000,000	5.32E-03
124	1.184E-06	3.8563E-05	1.05E-03	4.03E-08	2.00	1.57E-01	1.27E-08	1,000,000	1.27E-02
125	1.184E-06	8.0094E-05	1.05E-03	8.37E-08	2.00	1.57E-01	2.63E-08	1,000,000	2.63E-02
126	1.184E-06	3.4169E-05	1.05E-03	3.57E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
127	1.184E-06	1.6093E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.29E-09	1,000,000	5.29E-03
128	1.184E-06	9.5367E-06	1.05E-03	9.97E-09	2.00	1.57E-01	3.13E-09	1,000,000	3.13E-03
129	1.184E-06	6.3297E-06	1.05E-03	6.62E-09	2.00	1.57E-01	2.08E-09	1,000,000	2.08E-03
130	1.184E-06	4.5301E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
131	1.184E-06	3.4107E-06	1.05E-03	3.56E-09	2.00	1.57E-01	1.12E-09	1,000,000	1.12E-03
132	1.184E-06	2.6731E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.78E-10	1,000,000	8.78E-04
133	1.184E-06	5.3138E-07	1.05E-03	5.55E-10	2.00	1.57E-01	1.75E-10	1,000,000	1.75E-04
134	1.184E-06	6.0955E-07	1.05E-03	6.37E-10	2.00	1.57E-01	2.00E-10	1,000,000	2.00E-04
135	1.184E-06	7.0124E-07	1.05E-03	7.33E-10	2.00	1.57E-01	2.30E-10	1,000,000	2.30E-04
136	1.184E-06	8.5032E-07	1.05E-03	8.89E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
137	1.184E-06	1.0887E-06	1.05E-03	1.14E-09	2.00	1.57E-01	3.58E-10	1,000,000	3.58E-04
138	1.184E-06	1.3232E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.35E-10	1,000,000	4.35E-04
139	1.184E-06	1.6749E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
140	1.184E-06	2.0814E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.84E-10	1,000,000	6.84E-04
141	1.184E-06	2.8585E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.39E-10	1,000,000	9.39E-04
142	1.184E-06	3.8861E-06	1.05E-03	4.06E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
143	1.184E-06	5.6771E-06	1.05E-03	5.93E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
144	1.184E-06	8.9884E-06	1.05E-03	9.39E-09	2.00	1.57E-01	2.95E-09	1,000,000	2.95E-03
145	1.184E-06	1.6057E-05	1.05E-03	1.68E-08	2.00	1.57E-01	5.27E-09	1,000,000	5.27E-03
146	1.184E-06	3.8142E-05	1.05E-03	3.99E-08	2.00	1.57E-01	1.25E-08	1,000,000	1.25E-02
147	1.184E-06	8.1219E-05	1.05E-03	8.49E-08	2.00	1.57E-01	2.67E-08	1,000,000	2.67E-02
148	1.184E-06	3.4902E-05	1.05E-03	3.65E-08	2.00	1.57E-01	1.15E-08	1,000,000	1.15E-02
149	1.184E-06	1.6489E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.42E-09	1,000,000	5.42E-03
150	1.184E-06	9.7949E-06	1.05E-03	1.02E-08	2.00	1.57E-01	3.22E-09	1,000,000	3.22E-03
151	1.184E-06	6.5257E-06	1.05E-03	6.82E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.184E-06	4.6804E-06	1.05E-03	4.89E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
153	1.184E-06	3.5276E-06	1.05E-03	3.69E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
154	1.184E-06	2.7616E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
155	1.184E-06	4.6541E-07	1.05E-03	4.86E-10	2.00	1.57E-01	1.53E-10	1,000,000	1.53E-04
156	1.184E-06	5.3781E-07	1.05E-03	5.62E-10	2.00	1.57E-01	1.77E-10	1,000,000	1.77E-04
157	1.184E-06	6.4752E-07	1.05E-03	6.77E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
158	1.184E-06	7.5554E-07	1.05E-03	7.90E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
159	1.184E-06	9.2857E-07	1.05E-03	9.71E-10	2.00	1.57E-01	3.05E-10	1,000,000	3.05E-04
160	1.184E-06	1.1439E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
161	1.184E-06	1.4275E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
162	1.184E-06	1.9232E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.32E-10	1,000,000	6.32E-04
163	1.184E-06	2.586E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.49E-10	1,000,000	8.49E-04
164	1.184E-06	3.5616E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
165	1.184E-06	5.1641E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
166	1.184E-06	8.1023E-06	1.05E-03	8.47E-09	2.00	1.57E-01	2.66E-09	1,000,000	2.66E-03
167	1.184E-06	1.4586E-05	1.05E-03	1.52E-08	2.00	1.57E-01	4.79E-09	1,000,000	4.79E-03
168	1.184E-06	3.5343E-05	1.05E-03	3.69E-08	2.00	1.57E-01	1.16E-08	1,000,000	1.16E-02
169	1.184E-06	8.2254E-05	1.05E-03	8.60E-08	2.00	1.57E-01	2.70E-08	1,000,000	2.70E-02
170	1.184E-06	3.3625E-05	1.05E-03	3.51E-08	2.00	1.57E-01	1.10E-08	1,000,000	1.10E-02
171	1.184E-06	1.5676E-05	1.05E-03	1.64E-08	2.00	1.57E-01	5.15E-09	1,000,000	5.15E-03
172	1.184E-06	9.4203E-06	1.05E-03	9.85E-09	2.00	1.57E-01	3.09E-09	1,000,000	3.09E-03
173	1.184E-06	6.3573E-06	1.05E-03	6.64E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
174	1.184E-06	4.6073E-06	1.05E-03	4.82E-09	2.00	1.57E-01	1.51E-09	1,000,000	1.51E-03
175	1.184E-06	3.5054E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
176	1.184E-06	2.7617E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.07E-10	1,000,000	9.07E-04
177	1.184E-06	4.3425E-07	1.05E-03	4.54E-10	2.00	1.57E-01	1.43E-10	1,000,000	1.43E-04
178	1.184E-06	5.059E-07	1.05E-03	5.29E-10	2.00	1.57E-01	1.66E-10	1,000,000	1.66E-04
179	1.184E-06	6.0418E-07	1.05E-03	6.31E-10	2.00	1.57E-01	1.98E-10	1,000,000	1.98E-04
180	1.184E-06	7.262E-07	1.05E-03	7.59E-10	2.00	1.57E-01	2.39E-10	1,000,000	2.39E-04
181	1.184E-06	8.7094E-07	1.05E-03	9.10E-10	2.00	1.57E-01	2.86E-10	1,000,000	2.86E-04
182	1.184E-06	1.0461E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
183	1.184E-06	1.2943E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
184	1.184E-06	7.8014E-05	1.05E-03	8.15E-08	2.00	1.57E-01	2.56E-08	1,000,000	2.56E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.184E-06	2.855E-05	1.05E-03	2.98E-08	2.00	1.57E-01	9.38E-09	1,000,000	9.38E-03
186	1.184E-06	1.3456E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.42E-09	1,000,000	4.42E-03
187	1.184E-06	8.3769E-06	1.05E-03	8.76E-09	2.00	1.57E-01	2.75E-09	1,000,000	2.75E-03
188	1.184E-06	5.8303E-06	1.05E-03	6.09E-09	2.00	1.57E-01	1.92E-09	1,000,000	1.92E-03
189	1.184E-06	4.3186E-06	1.05E-03	4.51E-09	2.00	1.57E-01	1.42E-09	1,000,000	1.42E-03
190	1.184E-06	3.3399E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
191	1.184E-06	2.6654E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
192	1.184E-06	3.9842E-07	1.05E-03	4.16E-10	2.00	1.57E-01	1.31E-10	1,000,000	1.31E-04
193	1.184E-06	4.5601E-07	1.05E-03	4.77E-10	2.00	1.57E-01	1.50E-10	1,000,000	1.50E-04
194	1.184E-06	5.3726E-07	1.05E-03	5.62E-10	2.00	1.57E-01	1.76E-10	1,000,000	1.76E-04
195	1.184E-06	6.3497E-07	1.05E-03	6.64E-10	2.00	1.57E-01	2.09E-10	1,000,000	2.09E-04
196	1.184E-06	7.6633E-07	1.05E-03	8.01E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
197	1.184E-06	9.0567E-07	1.05E-03	9.47E-10	2.00	1.57E-01	2.98E-10	1,000,000	2.98E-04
198	1.184E-06	1.1261E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
199	1.184E-06	2.4712E-06	1.05E-03	2.58E-09	2.00	1.57E-01	8.12E-10	1,000,000	8.12E-04
200	1.184E-06	2.9338E-05	1.05E-03	3.07E-08	2.00	1.57E-01	9.64E-09	1,000,000	9.64E-03
201	1.184E-06	1.644E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
202	1.184E-06	9.9445E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
203	1.184E-06	6.7687E-06	1.05E-03	7.07E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
204	1.184E-06	4.9897E-06	1.05E-03	5.22E-09	2.00	1.57E-01	1.64E-09	1,000,000	1.64E-03
205	1.184E-06	3.8436E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
206	1.184E-06	3.0554E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
207	1.184E-06	2.4955E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.20E-10	1,000,000	8.20E-04
208	1.184E-06	3.6617E-07	1.05E-03	3.83E-10	2.00	1.57E-01	1.20E-10	1,000,000	1.20E-04
209	1.184E-06	4.1617E-07	1.05E-03	4.35E-10	2.00	1.57E-01	1.37E-10	1,000,000	1.37E-04
210	1.184E-06	4.6718E-07	1.05E-03	4.88E-10	2.00	1.57E-01	1.53E-10	1,000,000	1.53E-04
211	1.184E-06	5.5009E-07	1.05E-03	5.75E-10	2.00	1.57E-01	1.81E-10	1,000,000	1.81E-04
212	1.184E-06	6.4205E-07	1.05E-03	6.71E-10	2.00	1.57E-01	2.11E-10	1,000,000	2.11E-04
213	1.184E-06	7.7244E-07	1.05E-03	8.07E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
214	1.184E-06	9.5865E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
215	1.184E-06	1.1821E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
216	1.184E-06	1.5927E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
217	1.184E-06	2.0498E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.73E-10	1,000,000	6.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.184E-06	7.7226E-06	1.05E-03	8.07E-09	2.00	1.57E-01	2.54E-09	1,000,000	2.54E-03
219	1.184E-06	8.9524E-06	1.05E-03	9.36E-09	2.00	1.57E-01	2.94E-09	1,000,000	2.94E-03
220	1.184E-06	7.9153E-06	1.05E-03	8.27E-09	2.00	1.57E-01	2.60E-09	1,000,000	2.60E-03
221	1.184E-06	6.2612E-06	1.05E-03	6.54E-09	2.00	1.57E-01	2.06E-09	1,000,000	2.06E-03
222	1.184E-06	4.9558E-06	1.05E-03	5.18E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
223	1.184E-06	3.9812E-06	1.05E-03	4.16E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
224	1.184E-06	3.2472E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
225	1.184E-06	2.6863E-06	1.05E-03	2.81E-09	2.00	1.57E-01	8.82E-10	1,000,000	8.82E-04
226	1.184E-06	2.2485E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.39E-10	1,000,000	7.39E-04
227	1.184E-06	3.3467E-07	1.05E-03	3.50E-10	2.00	1.57E-01	1.10E-10	1,000,000	1.10E-04
228	1.184E-06	3.748E-07	1.05E-03	3.92E-10	2.00	1.57E-01	1.23E-10	1,000,000	1.23E-04
229	1.184E-06	4.2232E-07	1.05E-03	4.41E-10	2.00	1.57E-01	1.39E-10	1,000,000	1.39E-04
230	1.184E-06	4.841E-07	1.05E-03	5.06E-10	2.00	1.57E-01	1.59E-10	1,000,000	1.59E-04
231	1.184E-06	5.6172E-07	1.05E-03	5.87E-10	2.00	1.57E-01	1.85E-10	1,000,000	1.85E-04
232	1.184E-06	6.4846E-07	1.05E-03	6.78E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
233	1.184E-06	8.004E-07	1.05E-03	8.37E-10	2.00	1.57E-01	2.63E-10	1,000,000	2.63E-04
234	1.184E-06	9.7587E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
235	1.184E-06	1.2236E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.02E-10	1,000,000	4.02E-04
236	1.184E-06	1.5661E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.14E-10	1,000,000	5.14E-04
237	1.184E-06	2.0271E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.66E-10	1,000,000	6.66E-04
238	1.184E-06	2.6696E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.77E-10	1,000,000	8.77E-04
239	1.184E-06	3.4993E-06	1.05E-03	3.66E-09	2.00	1.57E-01	1.15E-09	1,000,000	1.15E-03
240	1.184E-06	4.1881E-06	1.05E-03	4.38E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
241	1.184E-06	4.6602E-06	1.05E-03	4.87E-09	2.00	1.57E-01	1.53E-09	1,000,000	1.53E-03
242	1.184E-06	4.2751E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
243	1.184E-06	3.9301E-06	1.05E-03	4.11E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03
244	1.184E-06	3.5202E-06	1.05E-03	3.68E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
245	1.184E-06	3.0461E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
246	1.184E-06	2.635E-06	1.05E-03	2.75E-09	2.00	1.57E-01	8.66E-10	1,000,000	8.66E-04
247	1.184E-06	2.2771E-06	1.05E-03	2.38E-09	2.00	1.57E-01	7.48E-10	1,000,000	7.48E-04
248	1.184E-06	1.9678E-06	1.05E-03	2.06E-09	2.00	1.57E-01	6.46E-10	1,000,000	6.46E-04
249	1.184E-06	3.0658E-07	1.05E-03	3.20E-10	2.00	1.57E-01	1.01E-10	1,000,000	1.01E-04
250	1.184E-06	3.3924E-07	1.05E-03	3.55E-10	2.00	1.57E-01	1.11E-10	1,000,000	1.11E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.184E-06	3.7742E-07	1.05E-03	3.94E-10	2.00	1.57E-01	1.24E-10	1,000,000	1.24E-04
252	1.184E-06	4.3036E-07	1.05E-03	4.50E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
253	1.184E-06	4.9064E-07	1.05E-03	5.13E-10	2.00	1.57E-01	1.61E-10	1,000,000	1.61E-04
254	1.184E-06	5.8054E-07	1.05E-03	6.07E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04
255	1.184E-06	6.764E-07	1.05E-03	7.07E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
256	1.184E-06	8.3109E-07	1.05E-03	8.69E-10	2.00	1.57E-01	2.73E-10	1,000,000	2.73E-04
257	1.184E-06	9.8749E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
258	1.184E-06	1.1914E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.91E-10	1,000,000	3.91E-04
259	1.184E-06	1.5114E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
260	1.184E-06	1.9262E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.33E-10	1,000,000	6.33E-04
261	1.184E-06	2.3877E-06	1.05E-03	2.50E-09	2.00	1.57E-01	7.84E-10	1,000,000	7.84E-04
262	1.184E-06	2.6677E-06	1.05E-03	2.79E-09	2.00	1.57E-01	8.76E-10	1,000,000	8.76E-04
263	1.184E-06	2.7689E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.10E-10	1,000,000	9.10E-04
264	1.184E-06	2.7318E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.97E-10	1,000,000	8.97E-04
265	1.184E-06	2.798E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.19E-10	1,000,000	9.19E-04
266	1.184E-06	2.6381E-06	1.05E-03	2.76E-09	2.00	1.57E-01	8.67E-10	1,000,000	8.67E-04
267	1.184E-06	2.332E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.66E-10	1,000,000	7.66E-04
268	1.184E-06	2.0984E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.89E-10	1,000,000	6.89E-04
269	1.184E-06	1.8935E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.22E-10	1,000,000	6.22E-04
270	1.184E-06	1.6888E-06	1.05E-03	1.77E-09	2.00	1.57E-01	5.55E-10	1,000,000	5.55E-04
271	1.184E-06	2.7642E-07	1.05E-03	2.89E-10	2.00	1.57E-01	9.08E-11	1,000,000	9.08E-05
272	1.184E-06	3.0317E-07	1.05E-03	3.17E-10	2.00	1.57E-01	9.96E-11	1,000,000	9.96E-05
273	1.184E-06	3.3748E-07	1.05E-03	3.53E-10	2.00	1.57E-01	1.11E-10	1,000,000	1.11E-04
274	1.184E-06	3.78E-07	1.05E-03	3.95E-10	2.00	1.57E-01	1.24E-10	1,000,000	1.24E-04
275	1.184E-06	4.2782E-07	1.05E-03	4.47E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
276	1.184E-06	4.9527E-07	1.05E-03	5.18E-10	2.00	1.57E-01	1.63E-10	1,000,000	1.63E-04
277	1.184E-06	5.751E-07	1.05E-03	6.01E-10	2.00	1.57E-01	1.89E-10	1,000,000	1.89E-04
278	1.184E-06	6.6586E-07	1.05E-03	6.96E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
279	1.184E-06	7.9163E-07	1.05E-03	8.27E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
280	1.184E-06	9.4629E-07	1.05E-03	9.89E-10	2.00	1.57E-01	3.11E-10	1,000,000	3.11E-04
281	1.184E-06	1.1583E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
282	1.184E-06	1.4268E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.69E-10	1,000,000	4.69E-04
283	1.184E-06	1.6685E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.48E-10	1,000,000	5.48E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.184E-06	1.6809E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.52E-10	1,000,000	5.52E-04
285	1.184E-06	1.8265E-06	1.05E-03	1.91E-09	2.00	1.57E-01	6.00E-10	1,000,000	6.00E-04
286	1.184E-06	1.8492E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.07E-10	1,000,000	6.07E-04
287	1.184E-06	1.8102E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.95E-10	1,000,000	5.95E-04
288	1.184E-06	1.7743E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.83E-10	1,000,000	5.83E-04
289	1.184E-06	1.6647E-06	1.05E-03	1.74E-09	2.00	1.57E-01	5.47E-10	1,000,000	5.47E-04
290	1.184E-06	1.6583E-06	1.05E-03	1.73E-09	2.00	1.57E-01	5.45E-10	1,000,000	5.45E-04
291	1.184E-06	1.5228E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
292	1.184E-06	1.4026E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.61E-10	1,000,000	4.61E-04
293	1.184E-06	2.5038E-07	1.05E-03	2.62E-10	2.00	1.57E-01	8.22E-11	1,000,000	8.22E-05
294	1.184E-06	2.7431E-07	1.05E-03	2.87E-10	2.00	1.57E-01	9.01E-11	1,000,000	9.01E-05
295	1.184E-06	3.0195E-07	1.05E-03	3.16E-10	2.00	1.57E-01	9.92E-11	1,000,000	9.92E-05
296	1.184E-06	3.3268E-07	1.05E-03	3.48E-10	2.00	1.57E-01	1.09E-10	1,000,000	1.09E-04
297	1.184E-06	3.7631E-07	1.05E-03	3.93E-10	2.00	1.57E-01	1.24E-10	1,000,000	1.24E-04
298	1.184E-06	4.2588E-07	1.05E-03	4.45E-10	2.00	1.57E-01	1.40E-10	1,000,000	1.40E-04
299	1.184E-06	4.8692E-07	1.05E-03	5.09E-10	2.00	1.57E-01	1.60E-10	1,000,000	1.60E-04
300	1.184E-06	5.7015E-07	1.05E-03	5.96E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
301	1.184E-06	6.4529E-07	1.05E-03	6.74E-10	2.00	1.57E-01	2.12E-10	1,000,000	2.12E-04
302	1.184E-06	7.6692E-07	1.05E-03	8.02E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
303	1.184E-06	9.0472E-07	1.05E-03	9.46E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
304	1.184E-06	1.0816E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.55E-10	1,000,000	3.55E-04
305	1.184E-06	1.2073E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.97E-10	1,000,000	3.97E-04
306	1.184E-06	1.2374E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
307	1.184E-06	1.2828E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
308	1.184E-06	1.2818E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
309	1.184E-06	1.4085E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
310	1.184E-06	1.3407E-06	1.05E-03	1.40E-09	2.00	1.57E-01	4.40E-10	1,000,000	4.40E-04
311	1.184E-06	1.2986E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
312	1.184E-06	1.3108E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.31E-10	1,000,000	4.31E-04
313	1.184E-06	1.2346E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
314	1.184E-06	1.1603E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
315	1.184E-06	2.2313E-07	1.05E-03	2.33E-10	2.00	1.57E-01	7.33E-11	1,000,000	7.33E-05
316	1.184E-06	2.4422E-07	1.05E-03	2.55E-10	2.00	1.57E-01	8.02E-11	1,000,000	8.02E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.184E-06	2.6734E-07	1.05E-03	2.79E-10	2.00	1.57E-01	8.78E-11	1,000,000	8.78E-05
318	1.184E-06	2.9305E-07	1.05E-03	3.06E-10	2.00	1.57E-01	9.63E-11	1,000,000	9.63E-05
319	1.184E-06	3.2107E-07	1.05E-03	3.36E-10	2.00	1.57E-01	1.05E-10	1,000,000	1.05E-04
320	1.184E-06	3.7082E-07	1.05E-03	3.88E-10	2.00	1.57E-01	1.22E-10	1,000,000	1.22E-04
321	1.184E-06	4.1415E-07	1.05E-03	4.33E-10	2.00	1.57E-01	1.36E-10	1,000,000	1.36E-04
322	1.184E-06	4.7175E-07	1.05E-03	4.93E-10	2.00	1.57E-01	1.55E-10	1,000,000	1.55E-04
323	1.184E-06	5.4797E-07	1.05E-03	5.73E-10	2.00	1.57E-01	1.80E-10	1,000,000	1.80E-04
324	1.184E-06	6.2952E-07	1.05E-03	6.58E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
325	1.184E-06	7.2469E-07	1.05E-03	7.57E-10	2.00	1.57E-01	2.38E-10	1,000,000	2.38E-04
326	1.184E-06	8.3748E-07	1.05E-03	8.75E-10	2.00	1.57E-01	2.75E-10	1,000,000	2.75E-04
327	1.184E-06	1.0595E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.48E-10	1,000,000	3.48E-04
328	1.184E-06	9.3395E-07	1.05E-03	9.76E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04
329	1.184E-06	9.5806E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
330	1.184E-06	9.8709E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
331	1.184E-06	1.0092E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
332	1.184E-06	1.0229E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
333	1.184E-06	9.8517E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
334	1.184E-06	1.0085E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
335	1.184E-06	9.8267E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
336	1.184E-06	9.4591E-07	1.05E-03	9.89E-10	2.00	1.57E-01	3.11E-10	1,000,000	3.11E-04
337	1.184E-06	2.0268E-07	1.05E-03	2.12E-10	2.00	1.57E-01	6.66E-11	1,000,000	6.66E-05
338	1.184E-06	2.1949E-07	1.05E-03	2.29E-10	2.00	1.57E-01	7.21E-11	1,000,000	7.21E-05
339	1.184E-06	2.3632E-07	1.05E-03	2.47E-10	2.00	1.57E-01	7.76E-11	1,000,000	7.76E-05
340	1.184E-06	2.6103E-07	1.05E-03	2.73E-10	2.00	1.57E-01	8.57E-11	1,000,000	8.57E-05
341	1.184E-06	2.8428E-07	1.05E-03	2.97E-10	2.00	1.57E-01	9.34E-11	1,000,000	9.34E-05
342	1.184E-06	3.2375E-07	1.05E-03	3.38E-10	2.00	1.57E-01	1.06E-10	1,000,000	1.06E-04
343	1.184E-06	3.5616E-07	1.05E-03	3.72E-10	2.00	1.57E-01	1.17E-10	1,000,000	1.17E-04
344	1.184E-06	4.0273E-07	1.05E-03	4.21E-10	2.00	1.57E-01	1.32E-10	1,000,000	1.32E-04
345	1.184E-06	4.5743E-07	1.05E-03	4.78E-10	2.00	1.57E-01	1.50E-10	1,000,000	1.50E-04
346	1.184E-06	5.2757E-07	1.05E-03	5.51E-10	2.00	1.57E-01	1.73E-10	1,000,000	1.73E-04
347	1.184E-06	5.8899E-07	1.05E-03	6.16E-10	2.00	1.57E-01	1.93E-10	1,000,000	1.93E-04
348	1.184E-06	6.5892E-07	1.05E-03	6.89E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
349	1.184E-06	6.6565E-07	1.05E-03	6.96E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.184E-06	7.0503E-07	1.05E-03	7.37E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
351	1.184E-06	7.3865E-07	1.05E-03	7.72E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
352	1.184E-06	7.3705E-07	1.05E-03	7.70E-10	2.00	1.57E-01	2.42E-10	1,000,000	2.42E-04
353	1.184E-06	7.8075E-07	1.05E-03	8.16E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
354	1.184E-06	7.7582E-07	1.05E-03	8.11E-10	2.00	1.57E-01	2.55E-10	1,000,000	2.55E-04
355	1.184E-06	7.8604E-07	1.05E-03	8.22E-10	2.00	1.57E-01	2.58E-10	1,000,000	2.58E-04
356	1.184E-06	7.933E-07	1.05E-03	8.29E-10	2.00	1.57E-01	2.61E-10	1,000,000	2.61E-04
357	1.184E-06	7.7804E-07	1.05E-03	8.13E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
358	1.184E-06	7.5646E-07	1.05E-03	7.91E-10	2.00	1.57E-01	2.48E-10	1,000,000	2.48E-04
359	1.184E-06	1.809E-07	1.05E-03	1.89E-10	2.00	1.57E-01	5.94E-11	1,000,000	5.94E-05
360	1.184E-06	1.9633E-07	1.05E-03	2.05E-10	2.00	1.57E-01	6.45E-11	1,000,000	6.45E-05
361	1.184E-06	2.1201E-07	1.05E-03	2.22E-10	2.00	1.57E-01	6.96E-11	1,000,000	6.96E-05
362	1.184E-06	2.2989E-07	1.05E-03	2.40E-10	2.00	1.57E-01	7.55E-11	1,000,000	7.55E-05
363	1.184E-06	2.4843E-07	1.05E-03	2.60E-10	2.00	1.57E-01	8.16E-11	1,000,000	8.16E-05
364	1.184E-06	2.77E-07	1.05E-03	2.90E-10	2.00	1.57E-01	9.10E-11	1,000,000	9.10E-05
365	1.184E-06	3.0893E-07	1.05E-03	3.23E-10	2.00	1.57E-01	1.01E-10	1,000,000	1.01E-04
366	1.184E-06	3.4726E-07	1.05E-03	3.63E-10	2.00	1.57E-01	1.14E-10	1,000,000	1.14E-04
367	1.184E-06	3.9622E-07	1.05E-03	4.14E-10	2.00	1.57E-01	1.30E-10	1,000,000	1.30E-04
368	1.184E-06	4.4108E-07	1.05E-03	4.61E-10	2.00	1.57E-01	1.45E-10	1,000,000	1.45E-04
369	1.184E-06	4.7972E-07	1.05E-03	5.01E-10	2.00	1.57E-01	1.58E-10	1,000,000	1.58E-04
370	1.184E-06	5.0914E-07	1.05E-03	5.32E-10	2.00	1.57E-01	1.67E-10	1,000,000	1.67E-04
371	1.184E-06	5.4683E-07	1.05E-03	5.72E-10	2.00	1.57E-01	1.80E-10	1,000,000	1.80E-04
372	1.184E-06	5.7372E-07	1.05E-03	6.00E-10	2.00	1.57E-01	1.88E-10	1,000,000	1.88E-04
373	1.184E-06	5.8208E-07	1.05E-03	6.08E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04
374	1.184E-06	5.8307E-07	1.05E-03	6.09E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
375	1.184E-06	6.0996E-07	1.05E-03	6.38E-10	2.00	1.57E-01	2.00E-10	1,000,000	2.00E-04
376	1.184E-06	6.1131E-07	1.05E-03	6.39E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
377	1.184E-06	6.2037E-07	1.05E-03	6.48E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04
378	1.184E-06	6.5457E-07	1.05E-03	6.84E-10	2.00	1.57E-01	2.15E-10	1,000,000	2.15E-04
379	1.184E-06	6.5636E-07	1.05E-03	6.86E-10	2.00	1.57E-01	2.16E-10	1,000,000	2.16E-04
380	1.184E-06	6.277E-07	1.05E-03	6.56E-10	2.00	1.57E-01	2.06E-10	1,000,000	2.06E-04
381	1.184E-06	8.0411E-07	1.05E-03	8.40E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
382	1.184E-06	9.3465E-07	1.05E-03	9.77E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.184E-06	1.0966E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.60E-10	1,000,000	3.60E-04
384	1.184E-06	1.3015E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.28E-10	1,000,000	4.28E-04
385	1.184E-06	1.5578E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
386	1.184E-06	1.9195E-06	1.05E-03	2.01E-09	2.00	1.57E-01	6.31E-10	1,000,000	6.31E-04
387	1.184E-06	2.4196E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.95E-10	1,000,000	7.95E-04
388	1.184E-06	3.0766E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
389	1.184E-06	4.0183E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
390	1.184E-06	5.5101E-06	1.05E-03	5.76E-09	2.00	1.57E-01	1.81E-09	1,000,000	1.81E-03
391	1.184E-06	8.1657E-06	1.05E-03	8.53E-09	2.00	1.57E-01	2.68E-09	1,000,000	2.68E-03
392	1.184E-06	1.4156E-05	1.05E-03	1.48E-08	2.00	1.57E-01	4.65E-09	1,000,000	4.65E-03
393	1.184E-06	4.2023E-05	1.05E-03	4.39E-08	2.00	1.57E-01	1.38E-08	1,000,000	1.38E-02
394	1.184E-06	2.7544E-05	1.05E-03	2.88E-08	2.00	1.57E-01	9.05E-09	1,000,000	9.05E-03
395	1.184E-06	1.2323E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.05E-09	1,000,000	4.05E-03
396	1.184E-06	7.592E-06	1.05E-03	7.94E-09	2.00	1.57E-01	2.49E-09	1,000,000	2.49E-03
397	1.184E-06	5.2715E-06	1.05E-03	5.51E-09	2.00	1.57E-01	1.73E-09	1,000,000	1.73E-03
398	1.184E-06	3.9055E-06	1.05E-03	4.08E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
399	1.184E-06	7.9056E-07	1.05E-03	8.26E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
400	1.184E-06	9.1052E-07	1.05E-03	9.52E-10	2.00	1.57E-01	2.99E-10	1,000,000	2.99E-04
401	1.184E-06	1.0565E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.47E-10	1,000,000	3.47E-04
402	1.184E-06	1.2807E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
403	1.184E-06	1.5954E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.24E-10	1,000,000	5.24E-04
404	1.184E-06	2.0281E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.66E-10	1,000,000	6.66E-04
405	1.184E-06	2.5901E-06	1.05E-03	2.71E-09	2.00	1.57E-01	8.51E-10	1,000,000	8.51E-04
406	1.184E-06	3.3657E-06	1.05E-03	3.52E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
407	1.184E-06	4.5363E-06	1.05E-03	4.74E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
408	1.184E-06	6.4812E-06	1.05E-03	6.77E-09	2.00	1.57E-01	2.13E-09	1,000,000	2.13E-03
409	1.184E-06	1.0259E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.37E-09	1,000,000	3.37E-03
410	1.184E-06	2.0146E-05	1.05E-03	2.11E-08	2.00	1.57E-01	6.62E-09	1,000,000	6.62E-03
411	1.184E-06	8.5497E-05	1.05E-03	8.94E-08	2.00	1.57E-01	2.81E-08	1,000,000	2.81E-02
412	1.184E-06	5.2813E-05	1.05E-03	5.52E-08	2.00	1.57E-01	1.73E-08	1,000,000	1.73E-02
413	1.184E-06	1.8103E-05	1.05E-03	1.89E-08	2.00	1.57E-01	5.95E-09	1,000,000	5.95E-03
414	1.184E-06	9.9197E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.26E-09	1,000,000	3.26E-03
415	1.184E-06	6.4331E-06	1.05E-03	6.72E-09	2.00	1.57E-01	2.11E-09	1,000,000	2.11E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.184E-06	4.5478E-06	1.05E-03	4.75E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
417	1.184E-06	7.4236E-07	1.05E-03	7.76E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04
418	1.184E-06	8.6521E-07	1.05E-03	9.04E-10	2.00	1.57E-01	2.84E-10	1,000,000	2.84E-04
419	1.184E-06	1.0245E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.37E-10	1,000,000	3.37E-04
420	1.184E-06	1.2749E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
421	1.184E-06	1.5975E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.25E-10	1,000,000	5.25E-04
422	1.184E-06	2.0022E-06	1.05E-03	2.09E-09	2.00	1.57E-01	6.58E-10	1,000,000	6.58E-04
423	1.184E-06	2.5828E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.48E-10	1,000,000	8.48E-04
424	1.184E-06	3.4487E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
425	1.184E-06	4.8373E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
426	1.184E-06	7.0996E-06	1.05E-03	7.42E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
427	1.184E-06	1.161E-05	1.05E-03	1.21E-08	2.00	1.57E-01	3.81E-09	1,000,000	3.81E-03
428	1.184E-06	2.2983E-05	1.05E-03	2.40E-08	2.00	1.57E-01	7.55E-09	1,000,000	7.55E-03
429	1.184E-06	8.6753E-05	1.05E-03	9.07E-08	2.00	1.57E-01	2.85E-08	1,000,000	2.85E-02
430	1.184E-06	6.0706E-05	1.05E-03	6.35E-08	2.00	1.57E-01	1.99E-08	1,000,000	1.99E-02
431	1.184E-06	2.1573E-05	1.05E-03	2.25E-08	2.00	1.57E-01	7.09E-09	1,000,000	7.09E-03
432	1.184E-06	1.164E-05	1.05E-03	1.22E-08	2.00	1.57E-01	3.82E-09	1,000,000	3.82E-03
433	1.184E-06	7.3889E-06	1.05E-03	7.72E-09	2.00	1.57E-01	2.43E-09	1,000,000	2.43E-03
434	1.184E-06	5.1186E-06	1.05E-03	5.35E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
435	1.184E-06	6.7655E-07	1.05E-03	7.07E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
436	1.184E-06	7.9781E-07	1.05E-03	8.34E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
437	1.184E-06	9.8453E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
438	1.184E-06	1.2531E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
439	1.184E-06	1.5322E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.03E-10	1,000,000	5.03E-04
440	1.184E-06	1.9325E-06	1.05E-03	2.02E-09	2.00	1.57E-01	6.35E-10	1,000,000	6.35E-04
441	1.184E-06	2.5252E-06	1.05E-03	2.64E-09	2.00	1.57E-01	8.30E-10	1,000,000	8.30E-04
442	1.184E-06	3.3898E-06	1.05E-03	3.54E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
443	1.184E-06	4.7741E-06	1.05E-03	4.99E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
444	1.184E-06	7.1961E-06	1.05E-03	7.52E-09	2.00	1.57E-01	2.36E-09	1,000,000	2.36E-03
445	1.184E-06	1.1946E-05	1.05E-03	1.25E-08	2.00	1.57E-01	3.92E-09	1,000,000	3.92E-03
446	1.184E-06	2.3577E-05	1.05E-03	2.46E-08	2.00	1.57E-01	7.74E-09	1,000,000	7.74E-03
447	1.184E-06	8.5056E-05	1.05E-03	8.89E-08	2.00	1.57E-01	2.79E-08	1,000,000	2.79E-02
448	1.184E-06	6.3455E-05	1.05E-03	6.63E-08	2.00	1.57E-01	2.08E-08	1,000,000	2.08E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.184E-06	2.2884E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.52E-09	1,000,000	7.52E-03
450	1.184E-06	1.2437E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.09E-09	1,000,000	4.09E-03
451	1.184E-06	7.8457E-06	1.05E-03	8.20E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
452	1.184E-06	5.4331E-06	1.05E-03	5.68E-09	2.00	1.57E-01	1.78E-09	1,000,000	1.78E-03
453	1.184E-06	6.2083E-07	1.05E-03	6.49E-10	2.00	1.57E-01	2.04E-10	1,000,000	2.04E-04
454	1.184E-06	7.3031E-07	1.05E-03	7.63E-10	2.00	1.57E-01	2.40E-10	1,000,000	2.40E-04
455	1.184E-06	9.0092E-07	1.05E-03	9.42E-10	2.00	1.57E-01	2.96E-10	1,000,000	2.96E-04
456	1.184E-06	1.1159E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
457	1.184E-06	1.4108E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
458	1.184E-06	1.7677E-06	1.05E-03	1.85E-09	2.00	1.57E-01	5.81E-10	1,000,000	5.81E-04
459	1.184E-06	2.3507E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.72E-10	1,000,000	7.72E-04
460	1.184E-06	3.1812E-06	1.05E-03	3.33E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
461	1.184E-06	4.5402E-06	1.05E-03	4.75E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
462	1.184E-06	6.7981E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
463	1.184E-06	1.1248E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.69E-09	1,000,000	3.69E-03
464	1.184E-06	2.2512E-05	1.05E-03	2.35E-08	2.00	1.57E-01	7.40E-09	1,000,000	7.40E-03
465	1.184E-06	8.2285E-05	1.05E-03	8.60E-08	2.00	1.57E-01	2.70E-08	1,000,000	2.70E-02
466	1.184E-06	6.3824E-05	1.05E-03	6.67E-08	2.00	1.57E-01	2.10E-08	1,000,000	2.10E-02
467	1.184E-06	2.2634E-05	1.05E-03	2.37E-08	2.00	1.57E-01	7.44E-09	1,000,000	7.44E-03
468	1.184E-06	1.2306E-05	1.05E-03	1.29E-08	2.00	1.57E-01	4.04E-09	1,000,000	4.04E-03
469	1.184E-06	7.8422E-06	1.05E-03	8.20E-09	2.00	1.57E-01	2.58E-09	1,000,000	2.58E-03
470	1.184E-06	5.4651E-06	1.05E-03	5.71E-09	2.00	1.57E-01	1.80E-09	1,000,000	1.80E-03
471	1.184E-06	5.6014E-07	1.05E-03	5.85E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
472	1.184E-06	6.7223E-07	1.05E-03	7.03E-10	2.00	1.57E-01	2.21E-10	1,000,000	2.21E-04
473	1.184E-06	8.1195E-07	1.05E-03	8.49E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
474	1.184E-06	9.7726E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
475	1.184E-06	1.1884E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.90E-10	1,000,000	3.90E-04
476	1.184E-06	6.1677E-05	1.05E-03	6.45E-08	2.00	1.57E-01	2.03E-08	1,000,000	2.03E-02
477	1.184E-06	2.06E-05	1.05E-03	2.15E-08	2.00	1.57E-01	6.77E-09	1,000,000	6.77E-03
478	1.184E-06	1.126E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.70E-09	1,000,000	3.70E-03
479	1.184E-06	7.338E-06	1.05E-03	7.67E-09	2.00	1.57E-01	2.41E-09	1,000,000	2.41E-03
480	1.184E-06	5.212E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
481	1.184E-06	5.1281E-07	1.05E-03	5.36E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.184E-06	6.1241E-07	1.05E-03	6.40E-10	2.00	1.57E-01	2.01E-10	1,000,000	2.01E-04
483	1.184E-06	7.1345E-07	1.05E-03	7.46E-10	2.00	1.57E-01	2.34E-10	1,000,000	2.34E-04
484	1.184E-06	8.5231E-07	1.05E-03	8.91E-10	2.00	1.57E-01	2.80E-10	1,000,000	2.80E-04
485	1.184E-06	1.0827E-06	1.05E-03	1.13E-09	2.00	1.57E-01	3.56E-10	1,000,000	3.56E-04
486	1.184E-06	4.1271E-05	1.05E-03	4.31E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
487	1.184E-06	1.5754E-05	1.05E-03	1.65E-08	2.00	1.57E-01	5.18E-09	1,000,000	5.18E-03
488	1.184E-06	9.3532E-06	1.05E-03	9.78E-09	2.00	1.57E-01	3.07E-09	1,000,000	3.07E-03
489	1.184E-06	6.3614E-06	1.05E-03	6.65E-09	2.00	1.57E-01	2.09E-09	1,000,000	2.09E-03
490	1.184E-06	4.6965E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
491	1.184E-06	4.6356E-07	1.05E-03	4.85E-10	2.00	1.57E-01	1.52E-10	1,000,000	1.52E-04
492	1.184E-06	5.4135E-07	1.05E-03	5.66E-10	2.00	1.57E-01	1.78E-10	1,000,000	1.78E-04
493	1.184E-06	6.2516E-07	1.05E-03	6.53E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
494	1.184E-06	7.4614E-07	1.05E-03	7.80E-10	2.00	1.57E-01	2.45E-10	1,000,000	2.45E-04
495	1.184E-06	9.1997E-07	1.05E-03	9.62E-10	2.00	1.57E-01	3.02E-10	1,000,000	3.02E-04
496	1.184E-06	2.0308E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.67E-10	1,000,000	6.67E-04
497	1.184E-06	2.54E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.34E-10	1,000,000	8.34E-04
498	1.184E-06	1.3384E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.40E-09	1,000,000	4.40E-03
499	1.184E-06	1.2938E-05	1.05E-03	1.35E-08	2.00	1.57E-01	4.25E-09	1,000,000	4.25E-03
500	1.184E-06	9.4475E-06	1.05E-03	9.87E-09	2.00	1.57E-01	3.10E-09	1,000,000	3.10E-03
501	1.184E-06	6.7439E-06	1.05E-03	7.05E-09	2.00	1.57E-01	2.22E-09	1,000,000	2.22E-03
502	1.184E-06	5.1041E-06	1.05E-03	5.33E-09	2.00	1.57E-01	1.68E-09	1,000,000	1.68E-03
503	1.184E-06	3.9875E-06	1.05E-03	4.17E-09	2.00	1.57E-01	1.31E-09	1,000,000	1.31E-03
504	1.184E-06	4.1961E-07	1.05E-03	4.39E-10	2.00	1.57E-01	1.38E-10	1,000,000	1.38E-04
505	1.184E-06	4.7336E-07	1.05E-03	4.95E-10	2.00	1.57E-01	1.55E-10	1,000,000	1.55E-04
506	1.184E-06	5.611E-07	1.05E-03	5.86E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
507	1.184E-06	6.457E-07	1.05E-03	6.75E-10	2.00	1.57E-01	2.12E-10	1,000,000	2.12E-04
508	1.184E-06	7.9588E-07	1.05E-03	8.32E-10	2.00	1.57E-01	2.61E-10	1,000,000	2.61E-04
509	1.184E-06	9.6398E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04
510	1.184E-06	1.1927E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.92E-10	1,000,000	3.92E-04
511	1.184E-06	1.5275E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.02E-10	1,000,000	5.02E-04
512	1.184E-06	2.0427E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.71E-10	1,000,000	6.71E-04
513	1.184E-06	2.7001E-06	1.05E-03	2.82E-09	2.00	1.57E-01	8.87E-10	1,000,000	8.87E-04
514	1.184E-06	3.7093E-06	1.05E-03	3.88E-09	2.00	1.57E-01	1.22E-09	1,000,000	1.22E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.184E-06	4.9138E-06	1.05E-03	5.14E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
516	1.184E-06	5.9692E-06	1.05E-03	6.24E-09	2.00	1.57E-01	1.96E-09	1,000,000	1.96E-03
517	1.184E-06	6.2057E-06	1.05E-03	6.49E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
518	1.184E-06	5.4459E-06	1.05E-03	5.69E-09	2.00	1.57E-01	1.79E-09	1,000,000	1.79E-03
519	1.184E-06	4.5778E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
520	1.184E-06	3.8393E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
521	1.184E-06	3.2124E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
522	1.184E-06	3.7627E-07	1.05E-03	3.93E-10	2.00	1.57E-01	1.24E-10	1,000,000	1.24E-04
523	1.184E-06	4.303E-07	1.05E-03	4.50E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
524	1.184E-06	4.9464E-07	1.05E-03	5.17E-10	2.00	1.57E-01	1.62E-10	1,000,000	1.62E-04
525	1.184E-06	5.6983E-07	1.05E-03	5.96E-10	2.00	1.57E-01	1.87E-10	1,000,000	1.87E-04
526	1.184E-06	6.494E-07	1.05E-03	6.79E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
527	1.184E-06	8.1134E-07	1.05E-03	8.48E-10	2.00	1.57E-01	2.67E-10	1,000,000	2.67E-04
528	1.184E-06	9.8362E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.23E-10	1,000,000	3.23E-04
529	1.184E-06	1.2175E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.00E-10	1,000,000	4.00E-04
530	1.184E-06	1.5566E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.11E-10	1,000,000	5.11E-04
531	1.184E-06	1.9827E-06	1.05E-03	2.07E-09	2.00	1.57E-01	6.51E-10	1,000,000	6.51E-04
532	1.184E-06	2.5307E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.31E-10	1,000,000	8.31E-04
533	1.184E-06	3.2403E-06	1.05E-03	3.39E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
534	1.184E-06	3.3834E-06	1.05E-03	3.54E-09	2.00	1.57E-01	1.11E-09	1,000,000	1.11E-03
535	1.184E-06	3.5974E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
536	1.184E-06	3.4286E-06	1.05E-03	3.58E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
537	1.184E-06	3.2224E-06	1.05E-03	3.37E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
538	1.184E-06	2.8232E-06	1.05E-03	2.95E-09	2.00	1.57E-01	9.27E-10	1,000,000	9.27E-04
539	1.184E-06	2.5305E-06	1.05E-03	2.64E-09	2.00	1.57E-01	8.31E-10	1,000,000	8.31E-04
540	1.184E-06	3.3794E-07	1.05E-03	3.53E-10	2.00	1.57E-01	1.11E-10	1,000,000	1.11E-04
541	1.184E-06	3.8244E-07	1.05E-03	4.00E-10	2.00	1.57E-01	1.26E-10	1,000,000	1.26E-04
542	1.184E-06	4.3412E-07	1.05E-03	4.54E-10	2.00	1.57E-01	1.43E-10	1,000,000	1.43E-04
543	1.184E-06	4.9625E-07	1.05E-03	5.19E-10	2.00	1.57E-01	1.63E-10	1,000,000	1.63E-04
544	1.184E-06	5.8358E-07	1.05E-03	6.10E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
545	1.184E-06	6.7438E-07	1.05E-03	7.05E-10	2.00	1.57E-01	2.22E-10	1,000,000	2.22E-04
546	1.184E-06	8.0774E-07	1.05E-03	8.44E-10	2.00	1.57E-01	2.65E-10	1,000,000	2.65E-04
547	1.184E-06	9.6415E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.17E-10	1,000,000	3.17E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.184E-06	1.1979E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
549	1.184E-06	1.4671E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.82E-10	1,000,000	4.82E-04
550	1.184E-06	1.8326E-06	1.05E-03	1.92E-09	2.00	1.57E-01	6.02E-10	1,000,000	6.02E-04
551	1.184E-06	2.5071E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.24E-10	1,000,000	8.24E-04
552	1.184E-06	2.2457E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.38E-10	1,000,000	7.38E-04
553	1.184E-06	2.2456E-06	1.05E-03	2.35E-09	2.00	1.57E-01	7.38E-10	1,000,000	7.38E-04
554	1.184E-06	2.1739E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.14E-10	1,000,000	7.14E-04
555	1.184E-06	2.4346E-06	1.05E-03	2.54E-09	2.00	1.57E-01	8.00E-10	1,000,000	8.00E-04
556	1.184E-06	2.1856E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.18E-10	1,000,000	7.18E-04
557	1.184E-06	1.9551E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.42E-10	1,000,000	6.42E-04
558	1.184E-06	3.0433E-07	1.05E-03	3.18E-10	2.00	1.57E-01	1.00E-10	1,000,000	1.00E-04
559	1.184E-06	3.4192E-07	1.05E-03	3.57E-10	2.00	1.57E-01	1.12E-10	1,000,000	1.12E-04
560	1.184E-06	3.7814E-07	1.05E-03	3.95E-10	2.00	1.57E-01	1.24E-10	1,000,000	1.24E-04
561	1.184E-06	4.3024E-07	1.05E-03	4.50E-10	2.00	1.57E-01	1.41E-10	1,000,000	1.41E-04
562	1.184E-06	4.8429E-07	1.05E-03	5.06E-10	2.00	1.57E-01	1.59E-10	1,000,000	1.59E-04
563	1.184E-06	5.5757E-07	1.05E-03	5.83E-10	2.00	1.57E-01	1.83E-10	1,000,000	1.83E-04
564	1.184E-06	6.6552E-07	1.05E-03	6.96E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
565	1.184E-06	7.7417E-07	1.05E-03	8.09E-10	2.00	1.57E-01	2.54E-10	1,000,000	2.54E-04
566	1.184E-06	9.3986E-07	1.05E-03	9.82E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
567	1.184E-06	1.1165E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.67E-10	1,000,000	3.67E-04
568	1.184E-06	1.3487E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
569	1.184E-06	1.3997E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.60E-10	1,000,000	4.60E-04
570	1.184E-06	1.446E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
571	1.184E-06	1.5348E-06	1.05E-03	1.60E-09	2.00	1.57E-01	5.04E-10	1,000,000	5.04E-04
572	1.184E-06	1.6196E-06	1.05E-03	1.69E-09	2.00	1.57E-01	5.32E-10	1,000,000	5.32E-04
573	1.184E-06	1.5698E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
574	1.184E-06	1.5115E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.97E-10	1,000,000	4.97E-04
575	1.184E-06	1.5041E-06	1.05E-03	1.57E-09	2.00	1.57E-01	4.94E-10	1,000,000	4.94E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.184E-06	6.8475E-07	6.05E-04	4.14E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.7E-04
2	1.184E-06	7.7021E-07	6.05E-04	4.66E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
3	1.184E-06	8.6691E-07	6.05E-04	5.25E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
4	1.184E-06	9.878E-07	6.05E-04	5.98E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
5	1.184E-06	1.1208E-06	6.05E-04	6.78E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
6	1.184E-06	1.2819E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
7	1.184E-06	1.4792E-06	6.05E-04	8.95E-10	14.00	4.71E-02	5.91E-10	1,000,000	5.91E-04
8	1.184E-06	1.7225E-06	6.05E-04	1.04E-09	14.00	4.71E-02	6.88E-10	1,000,000	6.88E-04
9	1.184E-06	2.0254E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.09E-10	1,000,000	8.09E-04
10	1.184E-06	2.4032E-06	6.05E-04	1.45E-09	14.00	4.71E-02	9.60E-10	1,000,000	9.60E-04
11	1.184E-06	2.8712E-06	6.05E-04	1.74E-09	14.00	4.71E-02	1.15E-09	1,000,000	1.15E-03
12	1.184E-06	3.4356E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
13	1.184E-06	4.0593E-06	6.05E-04	2.46E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
14	1.184E-06	4.5943E-06	6.05E-04	2.78E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
15	1.184E-06	4.7695E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.90E-09	1,000,000	1.90E-03
16	1.184E-06	4.4525E-06	6.05E-04	2.69E-09	14.00	4.71E-02	1.78E-09	1,000,000	1.78E-03
17	1.184E-06	3.8735E-06	6.05E-04	2.34E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
18	1.184E-06	3.2638E-06	6.05E-04	1.97E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
19	1.184E-06	2.7273E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
20	1.184E-06	2.2939E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.16E-10	1,000,000	9.16E-04
21	1.184E-06	1.9433E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.76E-10	1,000,000	7.76E-04
22	1.184E-06	1.659E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.63E-10	1,000,000	6.63E-04
23	1.184E-06	6.906E-07	6.05E-04	4.18E-10	14.00	4.71E-02	2.76E-10	1,000,000	2.76E-04
24	1.184E-06	7.8117E-07	6.05E-04	4.73E-10	14.00	4.71E-02	3.12E-10	1,000,000	3.12E-04
25	1.184E-06	8.8783E-07	6.05E-04	5.37E-10	14.00	4.71E-02	3.55E-10	1,000,000	3.55E-04
26	1.184E-06	1.0186E-06	6.05E-04	6.16E-10	14.00	4.71E-02	4.07E-10	1,000,000	4.07E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.184E-06	1.1795E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
28	1.184E-06	1.3622E-06	6.05E-04	8.24E-10	14.00	4.71E-02	5.44E-10	1,000,000	5.44E-04
29	1.184E-06	1.6166E-06	6.05E-04	9.78E-10	14.00	4.71E-02	6.46E-10	1,000,000	6.46E-04
30	1.184E-06	1.917E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.66E-10	1,000,000	7.66E-04
31	1.184E-06	2.3079E-06	6.05E-04	1.40E-09	14.00	4.71E-02	9.22E-10	1,000,000	9.22E-04
32	1.184E-06	2.8264E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
33	1.184E-06	3.5271E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
34	1.184E-06	4.4927E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
35	1.184E-06	5.8031E-06	6.05E-04	3.51E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
36	1.184E-06	7.316E-06	6.05E-04	4.43E-09	14.00	4.71E-02	2.92E-09	1,000,000	2.92E-03
37	1.184E-06	7.9159E-06	6.05E-04	4.79E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
38	1.184E-06	6.8582E-06	6.05E-04	4.15E-09	14.00	4.71E-02	2.74E-09	1,000,000	2.74E-03
39	1.184E-06	5.4031E-06	6.05E-04	3.27E-09	14.00	4.71E-02	2.16E-09	1,000,000	2.16E-03
40	1.184E-06	4.2181E-06	6.05E-04	2.55E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
41	1.184E-06	3.341E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
42	1.184E-06	2.697E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
43	1.184E-06	2.216E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.85E-10	1,000,000	8.85E-04
44	1.184E-06	1.8616E-06	6.05E-04	1.13E-09	14.00	4.71E-02	7.43E-10	1,000,000	7.43E-04
45	1.184E-06	6.8314E-07	6.05E-04	4.13E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.73E-04
46	1.184E-06	7.7641E-07	6.05E-04	4.70E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
47	1.184E-06	8.8638E-07	6.05E-04	5.36E-10	14.00	4.71E-02	3.54E-10	1,000,000	3.54E-04
48	1.184E-06	1.0205E-06	6.05E-04	6.17E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
49	1.184E-06	1.1972E-06	6.05E-04	7.24E-10	14.00	4.71E-02	4.78E-10	1,000,000	4.78E-04
50	1.184E-06	1.4193E-06	6.05E-04	8.59E-10	14.00	4.71E-02	5.67E-10	1,000,000	5.67E-04
51	1.184E-06	1.7046E-06	6.05E-04	1.03E-09	14.00	4.71E-02	6.81E-10	1,000,000	6.81E-04
52	1.184E-06	2.0876E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.34E-10	1,000,000	8.34E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.184E-06	2.5932E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
54	1.184E-06	3.2777E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.31E-09	1,000,000	1.31E-03
55	1.184E-06	4.284E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
56	1.184E-06	5.868E-06	6.05E-04	3.55E-09	14.00	4.71E-02	2.34E-09	1,000,000	2.34E-03
57	1.184E-06	8.6374E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
58	1.184E-06	1.4294E-05	6.05E-04	8.65E-09	14.00	4.71E-02	5.71E-09	1,000,000	5.71E-03
59	1.184E-06	1.9744E-05	6.05E-04	1.19E-08	14.00	4.71E-02	7.88E-09	1,000,000	7.88E-03
60	1.184E-06	1.2225E-05	6.05E-04	7.40E-09	14.00	4.71E-02	4.88E-09	1,000,000	4.88E-03
61	1.184E-06	7.8481E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
62	1.184E-06	5.503E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
63	1.184E-06	4.093E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.63E-09	1,000,000	1.63E-03
64	1.184E-06	3.1724E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
65	1.184E-06	2.5374E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
66	1.184E-06	2.0791E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04
67	1.184E-06	6.5758E-07	6.05E-04	3.98E-10	14.00	4.71E-02	2.63E-10	1,000,000	2.63E-04
68	1.184E-06	7.5512E-07	6.05E-04	4.57E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
69	1.184E-06	8.5851E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
70	1.184E-06	1.006E-06	6.05E-04	6.09E-10	14.00	4.71E-02	4.02E-10	1,000,000	4.02E-04
71	1.184E-06	1.1908E-06	6.05E-04	7.20E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
72	1.184E-06	1.4315E-06	6.05E-04	8.66E-10	14.00	4.71E-02	5.72E-10	1,000,000	5.72E-04
73	1.184E-06	1.7442E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.97E-10	1,000,000	6.97E-04
74	1.184E-06	2.2041E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.80E-10	1,000,000	8.80E-04
75	1.184E-06	2.8285E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
76	1.184E-06	3.7051E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03
77	1.184E-06	5.0393E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
78	1.184E-06	7.3559E-06	6.05E-04	4.45E-09	14.00	4.71E-02	2.94E-09	1,000,000	2.94E-03
79	1.184E-06	1.2246E-05	6.05E-04	7.41E-09	14.00	4.71E-02	4.89E-09	1,000,000	4.89E-03
80	1.184E-06	2.9236E-05	6.05E-04	1.77E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
81	1.184E-06	9.2894E-05	6.05E-04	5.62E-08	14.00	4.71E-02	3.71E-08	1,000,000	3.71E-02
82	1.184E-06	2.3116E-05	6.05E-04	1.40E-08	14.00	4.71E-02	9.23E-09	1,000,000	9.23E-03
83	1.184E-06	1.1299E-05	6.05E-04	6.84E-09	14.00	4.71E-02	4.51E-09	1,000,000	4.51E-03
84	1.184E-06	7.0951E-06	6.05E-04	4.29E-09	14.00	4.71E-02	2.83E-09	1,000,000	2.83E-03
85	1.184E-06	4.9307E-06	6.05E-04	2.98E-09	14.00	4.71E-02	1.97E-09	1,000,000	1.97E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.184E-06	3.6874E-06	6.05E-04	2.23E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
87	1.184E-06	2.8659E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
88	1.184E-06	2.302E-06	6.05E-04	1.39E-09	14.00	4.71E-02	9.19E-10	1,000,000	9.19E-04
89	1.184E-06	6.2249E-07	6.05E-04	3.77E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
90	1.184E-06	7.3234E-07	6.05E-04	4.43E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
91	1.184E-06	8.3953E-07	6.05E-04	5.08E-10	14.00	4.71E-02	3.35E-10	1,000,000	3.35E-04
92	1.184E-06	9.663E-07	6.05E-04	5.85E-10	14.00	4.71E-02	3.86E-10	1,000,000	3.86E-04
93	1.184E-06	1.1394E-06	6.05E-04	6.89E-10	14.00	4.71E-02	4.55E-10	1,000,000	4.55E-04
94	1.184E-06	1.4234E-06	6.05E-04	8.61E-10	14.00	4.71E-02	5.68E-10	1,000,000	5.68E-04
95	1.184E-06	1.7837E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.12E-10	1,000,000	7.12E-04
96	1.184E-06	2.2724E-06	6.05E-04	1.37E-09	14.00	4.71E-02	9.07E-10	1,000,000	9.07E-04
97	1.184E-06	2.9527E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
98	1.184E-06	3.9868E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
99	1.184E-06	5.6483E-06	6.05E-04	3.42E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
100	1.184E-06	8.5605E-06	6.05E-04	5.18E-09	14.00	4.71E-02	3.42E-09	1,000,000	3.42E-03
101	1.184E-06	1.4978E-05	6.05E-04	9.06E-09	14.00	4.71E-02	5.98E-09	1,000,000	5.98E-03
102	1.184E-06	3.6827E-05	6.05E-04	2.23E-08	14.00	4.71E-02	1.47E-08	1,000,000	1.47E-02
103	1.184E-06	7.7369E-05	6.05E-04	4.68E-08	14.00	4.71E-02	3.09E-08	1,000,000	3.09E-02
104	1.184E-06	3.1042E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
105	1.184E-06	1.4425E-05	6.05E-04	8.73E-09	14.00	4.71E-02	5.76E-09	1,000,000	5.76E-03
106	1.184E-06	8.5888E-06	6.05E-04	5.20E-09	14.00	4.71E-02	3.43E-09	1,000,000	3.43E-03
107	1.184E-06	5.7669E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
108	1.184E-06	4.1717E-06	6.05E-04	2.52E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
109	1.184E-06	3.1735E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
110	1.184E-06	2.5101E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
111	1.184E-06	5.7808E-07	6.05E-04	3.50E-10	14.00	4.71E-02	2.31E-10	1,000,000	2.31E-04
112	1.184E-06	6.8222E-07	6.05E-04	4.13E-10	14.00	4.71E-02	2.72E-10	1,000,000	2.72E-04
113	1.184E-06	7.587E-07	6.05E-04	4.59E-10	14.00	4.71E-02	3.03E-10	1,000,000	3.03E-04
114	1.184E-06	8.7967E-07	6.05E-04	5.32E-10	14.00	4.71E-02	3.51E-10	1,000,000	3.51E-04
115	1.184E-06	1.0969E-06	6.05E-04	6.64E-10	14.00	4.71E-02	4.38E-10	1,000,000	4.38E-04
116	1.184E-06	1.4089E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
117	1.184E-06	1.7605E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.03E-10	1,000,000	7.03E-04
118	1.184E-06	2.2297E-06	6.05E-04	1.35E-09	14.00	4.71E-02	8.90E-10	1,000,000	8.90E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.184E-06	2.9501E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
120	1.184E-06	4.0443E-06	6.05E-04	2.45E-09	14.00	4.71E-02	1.62E-09	1,000,000	1.62E-03
121	1.184E-06	5.8135E-06	6.05E-04	3.52E-09	14.00	4.71E-02	2.32E-09	1,000,000	2.32E-03
122	1.184E-06	9.1473E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
123	1.184E-06	1.6207E-05	6.05E-04	9.81E-09	14.00	4.71E-02	6.47E-09	1,000,000	6.47E-03
124	1.184E-06	3.8563E-05	6.05E-04	2.33E-08	14.00	4.71E-02	1.54E-08	1,000,000	1.54E-02
125	1.184E-06	8.0094E-05	6.05E-04	4.85E-08	14.00	4.71E-02	3.20E-08	1,000,000	3.20E-02
126	1.184E-06	3.4169E-05	6.05E-04	2.07E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
127	1.184E-06	1.6093E-05	6.05E-04	9.74E-09	14.00	4.71E-02	6.43E-09	1,000,000	6.43E-03
128	1.184E-06	9.5367E-06	6.05E-04	5.77E-09	14.00	4.71E-02	3.81E-09	1,000,000	3.81E-03
129	1.184E-06	6.3297E-06	6.05E-04	3.83E-09	14.00	4.71E-02	2.53E-09	1,000,000	2.53E-03
130	1.184E-06	4.5301E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
131	1.184E-06	3.4107E-06	6.05E-04	2.06E-09	14.00	4.71E-02	1.36E-09	1,000,000	1.36E-03
132	1.184E-06	2.6731E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
133	1.184E-06	5.3138E-07	6.05E-04	3.22E-10	14.00	4.71E-02	2.12E-10	1,000,000	2.12E-04
134	1.184E-06	6.0955E-07	6.05E-04	3.69E-10	14.00	4.71E-02	2.43E-10	1,000,000	2.43E-04
135	1.184E-06	7.0124E-07	6.05E-04	4.24E-10	14.00	4.71E-02	2.80E-10	1,000,000	2.80E-04
136	1.184E-06	8.5032E-07	6.05E-04	5.15E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
137	1.184E-06	1.0887E-06	6.05E-04	6.59E-10	14.00	4.71E-02	4.35E-10	1,000,000	4.35E-04
138	1.184E-06	1.3232E-06	6.05E-04	8.01E-10	14.00	4.71E-02	5.28E-10	1,000,000	5.28E-04
139	1.184E-06	1.6749E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
140	1.184E-06	2.0814E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.31E-10	1,000,000	8.31E-04
141	1.184E-06	2.8585E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
142	1.184E-06	3.8861E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
143	1.184E-06	5.6771E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03
144	1.184E-06	8.9884E-06	6.05E-04	5.44E-09	14.00	4.71E-02	3.59E-09	1,000,000	3.59E-03
145	1.184E-06	1.6057E-05	6.05E-04	9.72E-09	14.00	4.71E-02	6.41E-09	1,000,000	6.41E-03
146	1.184E-06	3.8142E-05	6.05E-04	2.31E-08	14.00	4.71E-02	1.52E-08	1,000,000	1.52E-02
147	1.184E-06	8.1219E-05	6.05E-04	4.91E-08	14.00	4.71E-02	3.24E-08	1,000,000	3.24E-02
148	1.184E-06	3.4902E-05	6.05E-04	2.11E-08	14.00	4.71E-02	1.39E-08	1,000,000	1.39E-02
149	1.184E-06	1.6489E-05	6.05E-04	9.98E-09	14.00	4.71E-02	6.58E-09	1,000,000	6.58E-03
150	1.184E-06	9.7949E-06	6.05E-04	5.93E-09	14.00	4.71E-02	3.91E-09	1,000,000	3.91E-03
151	1.184E-06	6.5257E-06	6.05E-04	3.95E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.184E-06	4.6804E-06	6.05E-04	2.83E-09	14.00	4.71E-02	1.87E-09	1,000,000	1.87E-03
153	1.184E-06	3.5276E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
154	1.184E-06	2.7616E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
155	1.184E-06	4.6541E-07	6.05E-04	2.82E-10	14.00	4.71E-02	1.86E-10	1,000,000	1.86E-04
156	1.184E-06	5.3781E-07	6.05E-04	3.25E-10	14.00	4.71E-02	2.15E-10	1,000,000	2.15E-04
157	1.184E-06	6.4752E-07	6.05E-04	3.92E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
158	1.184E-06	7.5554E-07	6.05E-04	4.57E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
159	1.184E-06	9.2857E-07	6.05E-04	5.62E-10	14.00	4.71E-02	3.71E-10	1,000,000	3.71E-04
160	1.184E-06	1.1439E-06	6.05E-04	6.92E-10	14.00	4.71E-02	4.57E-10	1,000,000	4.57E-04
161	1.184E-06	1.4275E-06	6.05E-04	8.64E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
162	1.184E-06	1.9232E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.68E-10	1,000,000	7.68E-04
163	1.184E-06	2.586E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
164	1.184E-06	3.5616E-06	6.05E-04	2.16E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
165	1.184E-06	5.1641E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
166	1.184E-06	8.1023E-06	6.05E-04	4.90E-09	14.00	4.71E-02	3.24E-09	1,000,000	3.24E-03
167	1.184E-06	1.4586E-05	6.05E-04	8.83E-09	14.00	4.71E-02	5.83E-09	1,000,000	5.83E-03
168	1.184E-06	3.5343E-05	6.05E-04	2.14E-08	14.00	4.71E-02	1.41E-08	1,000,000	1.41E-02
169	1.184E-06	8.2254E-05	6.05E-04	4.98E-08	14.00	4.71E-02	3.28E-08	1,000,000	3.28E-02
170	1.184E-06	3.3625E-05	6.05E-04	2.03E-08	14.00	4.71E-02	1.34E-08	1,000,000	1.34E-02
171	1.184E-06	1.5676E-05	6.05E-04	9.48E-09	14.00	4.71E-02	6.26E-09	1,000,000	6.26E-03
172	1.184E-06	9.4203E-06	6.05E-04	5.70E-09	14.00	4.71E-02	3.76E-09	1,000,000	3.76E-03
173	1.184E-06	6.3573E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
174	1.184E-06	4.6073E-06	6.05E-04	2.79E-09	14.00	4.71E-02	1.84E-09	1,000,000	1.84E-03
175	1.184E-06	3.5054E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
176	1.184E-06	2.7617E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
177	1.184E-06	4.3425E-07	6.05E-04	2.63E-10	14.00	4.71E-02	1.73E-10	1,000,000	1.73E-04
178	1.184E-06	5.059E-07	6.05E-04	3.06E-10	14.00	4.71E-02	2.02E-10	1,000,000	2.02E-04
179	1.184E-06	6.0418E-07	6.05E-04	3.66E-10	14.00	4.71E-02	2.41E-10	1,000,000	2.41E-04
180	1.184E-06	7.262E-07	6.05E-04	4.39E-10	14.00	4.71E-02	2.90E-10	1,000,000	2.90E-04
181	1.184E-06	8.7094E-07	6.05E-04	5.27E-10	14.00	4.71E-02	3.48E-10	1,000,000	3.48E-04
182	1.184E-06	1.0461E-06	6.05E-04	6.33E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
183	1.184E-06	1.2943E-06	6.05E-04	7.83E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
184	1.184E-06	7.8014E-05	6.05E-04	4.72E-08	14.00	4.71E-02	3.12E-08	1,000,000	3.12E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.184E-06	2.855E-05	6.05E-04	1.73E-08	14.00	4.71E-02	1.14E-08	1,000,000	1.14E-02
186	1.184E-06	1.3456E-05	6.05E-04	8.14E-09	14.00	4.71E-02	5.37E-09	1,000,000	5.37E-03
187	1.184E-06	8.3769E-06	6.05E-04	5.07E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
188	1.184E-06	5.8303E-06	6.05E-04	3.53E-09	14.00	4.71E-02	2.33E-09	1,000,000	2.33E-03
189	1.184E-06	4.3186E-06	6.05E-04	2.61E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
190	1.184E-06	3.3399E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
191	1.184E-06	2.6654E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
192	1.184E-06	3.9842E-07	6.05E-04	2.41E-10	14.00	4.71E-02	1.59E-10	1,000,000	1.59E-04
193	1.184E-06	4.5601E-07	6.05E-04	2.76E-10	14.00	4.71E-02	1.82E-10	1,000,000	1.82E-04
194	1.184E-06	5.3726E-07	6.05E-04	3.25E-10	14.00	4.71E-02	2.15E-10	1,000,000	2.15E-04
195	1.184E-06	6.3497E-07	6.05E-04	3.84E-10	14.00	4.71E-02	2.54E-10	1,000,000	2.54E-04
196	1.184E-06	7.6633E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
197	1.184E-06	9.0567E-07	6.05E-04	5.48E-10	14.00	4.71E-02	3.62E-10	1,000,000	3.62E-04
198	1.184E-06	1.1261E-06	6.05E-04	6.81E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
199	1.184E-06	2.4712E-06	6.05E-04	1.50E-09	14.00	4.71E-02	9.87E-10	1,000,000	9.87E-04
200	1.184E-06	2.9338E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.17E-08	1,000,000	1.17E-02
201	1.184E-06	1.644E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
202	1.184E-06	9.9445E-06	6.05E-04	6.02E-09	14.00	4.71E-02	3.97E-09	1,000,000	3.97E-03
203	1.184E-06	6.7687E-06	6.05E-04	4.10E-09	14.00	4.71E-02	2.70E-09	1,000,000	2.70E-03
204	1.184E-06	4.9897E-06	6.05E-04	3.02E-09	14.00	4.71E-02	1.99E-09	1,000,000	1.99E-03
205	1.184E-06	3.8436E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
206	1.184E-06	3.0554E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
207	1.184E-06	2.4955E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.97E-10	1,000,000	9.97E-04
208	1.184E-06	3.6617E-07	6.05E-04	2.22E-10	14.00	4.71E-02	1.46E-10	1,000,000	1.46E-04
209	1.184E-06	4.1617E-07	6.05E-04	2.52E-10	14.00	4.71E-02	1.66E-10	1,000,000	1.66E-04
210	1.184E-06	4.6718E-07	6.05E-04	2.83E-10	14.00	4.71E-02	1.87E-10	1,000,000	1.87E-04
211	1.184E-06	5.5009E-07	6.05E-04	3.33E-10	14.00	4.71E-02	2.20E-10	1,000,000	2.20E-04
212	1.184E-06	6.4205E-07	6.05E-04	3.88E-10	14.00	4.71E-02	2.56E-10	1,000,000	2.56E-04
213	1.184E-06	7.7244E-07	6.05E-04	4.67E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
214	1.184E-06	9.5865E-07	6.05E-04	5.80E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
215	1.184E-06	1.1821E-06	6.05E-04	7.15E-10	14.00	4.71E-02	4.72E-10	1,000,000	4.72E-04
216	1.184E-06	1.5927E-06	6.05E-04	9.64E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
217	1.184E-06	2.0498E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.19E-10	1,000,000	8.19E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.184E-06	7.7226E-06	6.05E-04	4.67E-09	14.00	4.71E-02	3.08E-09	1,000,000	3.08E-03
219	1.184E-06	8.9524E-06	6.05E-04	5.42E-09	14.00	4.71E-02	3.58E-09	1,000,000	3.58E-03
220	1.184E-06	7.9153E-06	6.05E-04	4.79E-09	14.00	4.71E-02	3.16E-09	1,000,000	3.16E-03
221	1.184E-06	6.2612E-06	6.05E-04	3.79E-09	14.00	4.71E-02	2.50E-09	1,000,000	2.50E-03
222	1.184E-06	4.9558E-06	6.05E-04	3.00E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
223	1.184E-06	3.9812E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
224	1.184E-06	3.2472E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
225	1.184E-06	2.6863E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
226	1.184E-06	2.2485E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.98E-10	1,000,000	8.98E-04
227	1.184E-06	3.3467E-07	6.05E-04	2.03E-10	14.00	4.71E-02	1.34E-10	1,000,000	1.34E-04
228	1.184E-06	3.748E-07	6.05E-04	2.27E-10	14.00	4.71E-02	1.50E-10	1,000,000	1.50E-04
229	1.184E-06	4.2232E-07	6.05E-04	2.56E-10	14.00	4.71E-02	1.69E-10	1,000,000	1.69E-04
230	1.184E-06	4.841E-07	6.05E-04	2.93E-10	14.00	4.71E-02	1.93E-10	1,000,000	1.93E-04
231	1.184E-06	5.6172E-07	6.05E-04	3.40E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
232	1.184E-06	6.4846E-07	6.05E-04	3.92E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
233	1.184E-06	8.004E-07	6.05E-04	4.84E-10	14.00	4.71E-02	3.20E-10	1,000,000	3.20E-04
234	1.184E-06	9.7587E-07	6.05E-04	5.90E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
235	1.184E-06	1.2236E-06	6.05E-04	7.40E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
236	1.184E-06	1.5661E-06	6.05E-04	9.48E-10	14.00	4.71E-02	6.25E-10	1,000,000	6.25E-04
237	1.184E-06	2.0271E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.09E-10	1,000,000	8.09E-04
238	1.184E-06	2.6696E-06	6.05E-04	1.62E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
239	1.184E-06	3.4993E-06	6.05E-04	2.12E-09	14.00	4.71E-02	1.40E-09	1,000,000	1.40E-03
240	1.184E-06	4.1881E-06	6.05E-04	2.53E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
241	1.184E-06	4.6602E-06	6.05E-04	2.82E-09	14.00	4.71E-02	1.86E-09	1,000,000	1.86E-03
242	1.184E-06	4.2751E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
243	1.184E-06	3.9301E-06	6.05E-04	2.38E-09	14.00	4.71E-02	1.57E-09	1,000,000	1.57E-03
244	1.184E-06	3.5202E-06	6.05E-04	2.13E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
245	1.184E-06	3.0461E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
246	1.184E-06	2.635E-06	6.05E-04	1.59E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
247	1.184E-06	2.2771E-06	6.05E-04	1.38E-09	14.00	4.71E-02	9.09E-10	1,000,000	9.09E-04
248	1.184E-06	1.9678E-06	6.05E-04	1.19E-09	14.00	4.71E-02	7.86E-10	1,000,000	7.86E-04
249	1.184E-06	3.0658E-07	6.05E-04	1.86E-10	14.00	4.71E-02	1.22E-10	1,000,000	1.22E-04
250	1.184E-06	3.3924E-07	6.05E-04	2.05E-10	14.00	4.71E-02	1.35E-10	1,000,000	1.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.184E-06	3.7742E-07	6.05E-04	2.28E-10	14.00	4.71E-02	1.51E-10	1,000,000	1.51E-04
252	1.184E-06	4.3036E-07	6.05E-04	2.60E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
253	1.184E-06	4.9064E-07	6.05E-04	2.97E-10	14.00	4.71E-02	1.96E-10	1,000,000	1.96E-04
254	1.184E-06	5.8054E-07	6.05E-04	3.51E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04
255	1.184E-06	6.764E-07	6.05E-04	4.09E-10	14.00	4.71E-02	2.70E-10	1,000,000	2.70E-04
256	1.184E-06	8.3109E-07	6.05E-04	5.03E-10	14.00	4.71E-02	3.32E-10	1,000,000	3.32E-04
257	1.184E-06	9.8749E-07	6.05E-04	5.98E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
258	1.184E-06	1.1914E-06	6.05E-04	7.21E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
259	1.184E-06	1.5114E-06	6.05E-04	9.14E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
260	1.184E-06	1.9262E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.69E-10	1,000,000	7.69E-04
261	1.184E-06	2.3877E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.54E-10	1,000,000	9.54E-04
262	1.184E-06	2.6677E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.07E-09	1,000,000	1.07E-03
263	1.184E-06	2.7689E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
264	1.184E-06	2.7318E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
265	1.184E-06	2.798E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
266	1.184E-06	2.6381E-06	6.05E-04	1.60E-09	14.00	4.71E-02	1.05E-09	1,000,000	1.05E-03
267	1.184E-06	2.332E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.31E-10	1,000,000	9.31E-04
268	1.184E-06	2.0984E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.38E-10	1,000,000	8.38E-04
269	1.184E-06	1.8935E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.56E-10	1,000,000	7.56E-04
270	1.184E-06	1.6888E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.74E-10	1,000,000	6.74E-04
271	1.184E-06	2.7642E-07	6.05E-04	1.67E-10	14.00	4.71E-02	1.10E-10	1,000,000	1.10E-04
272	1.184E-06	3.0317E-07	6.05E-04	1.83E-10	14.00	4.71E-02	1.21E-10	1,000,000	1.21E-04
273	1.184E-06	3.3748E-07	6.05E-04	2.04E-10	14.00	4.71E-02	1.35E-10	1,000,000	1.35E-04
274	1.184E-06	3.78E-07	6.05E-04	2.29E-10	14.00	4.71E-02	1.51E-10	1,000,000	1.51E-04
275	1.184E-06	4.2782E-07	6.05E-04	2.59E-10	14.00	4.71E-02	1.71E-10	1,000,000	1.71E-04
276	1.184E-06	4.9527E-07	6.05E-04	3.00E-10	14.00	4.71E-02	1.98E-10	1,000,000	1.98E-04
277	1.184E-06	5.751E-07	6.05E-04	3.48E-10	14.00	4.71E-02	2.30E-10	1,000,000	2.30E-04
278	1.184E-06	6.6586E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
279	1.184E-06	7.9163E-07	6.05E-04	4.79E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04
280	1.184E-06	9.4629E-07	6.05E-04	5.73E-10	14.00	4.71E-02	3.78E-10	1,000,000	3.78E-04
281	1.184E-06	1.1583E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
282	1.184E-06	1.4268E-06	6.05E-04	8.63E-10	14.00	4.71E-02	5.70E-10	1,000,000	5.70E-04
283	1.184E-06	1.6685E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.66E-10	1,000,000	6.66E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.184E-06	1.6809E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.71E-10	1,000,000	6.71E-04
285	1.184E-06	1.8265E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.29E-10	1,000,000	7.29E-04
286	1.184E-06	1.8492E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.38E-10	1,000,000	7.38E-04
287	1.184E-06	1.8102E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.23E-10	1,000,000	7.23E-04
288	1.184E-06	1.7743E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.09E-10	1,000,000	7.09E-04
289	1.184E-06	1.6647E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.65E-10	1,000,000	6.65E-04
290	1.184E-06	1.6583E-06	6.05E-04	1.00E-09	14.00	4.71E-02	6.62E-10	1,000,000	6.62E-04
291	1.184E-06	1.5228E-06	6.05E-04	9.21E-10	14.00	4.71E-02	6.08E-10	1,000,000	6.08E-04
292	1.184E-06	1.4026E-06	6.05E-04	8.49E-10	14.00	4.71E-02	5.60E-10	1,000,000	5.60E-04
293	1.184E-06	2.5038E-07	6.05E-04	1.51E-10	14.00	4.71E-02	1.00E-10	1,000,000	1.00E-04
294	1.184E-06	2.7431E-07	6.05E-04	1.66E-10	14.00	4.71E-02	1.10E-10	1,000,000	1.10E-04
295	1.184E-06	3.0195E-07	6.05E-04	1.83E-10	14.00	4.71E-02	1.21E-10	1,000,000	1.21E-04
296	1.184E-06	3.3268E-07	6.05E-04	2.01E-10	14.00	4.71E-02	1.33E-10	1,000,000	1.33E-04
297	1.184E-06	3.7631E-07	6.05E-04	2.28E-10	14.00	4.71E-02	1.50E-10	1,000,000	1.50E-04
298	1.184E-06	4.2588E-07	6.05E-04	2.58E-10	14.00	4.71E-02	1.70E-10	1,000,000	1.70E-04
299	1.184E-06	4.8692E-07	6.05E-04	2.95E-10	14.00	4.71E-02	1.94E-10	1,000,000	1.94E-04
300	1.184E-06	5.7015E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04
301	1.184E-06	6.4529E-07	6.05E-04	3.90E-10	14.00	4.71E-02	2.58E-10	1,000,000	2.58E-04
302	1.184E-06	7.6692E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
303	1.184E-06	9.0472E-07	6.05E-04	5.47E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
304	1.184E-06	1.0816E-06	6.05E-04	6.54E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
305	1.184E-06	1.2073E-06	6.05E-04	7.30E-10	14.00	4.71E-02	4.82E-10	1,000,000	4.82E-04
306	1.184E-06	1.2374E-06	6.05E-04	7.49E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
307	1.184E-06	1.2828E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
308	1.184E-06	1.2818E-06	6.05E-04	7.76E-10	14.00	4.71E-02	5.12E-10	1,000,000	5.12E-04
309	1.184E-06	1.4085E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.62E-10	1,000,000	5.62E-04
310	1.184E-06	1.3407E-06	6.05E-04	8.11E-10	14.00	4.71E-02	5.35E-10	1,000,000	5.35E-04
311	1.184E-06	1.2986E-06	6.05E-04	7.86E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
312	1.184E-06	1.3108E-06	6.05E-04	7.93E-10	14.00	4.71E-02	5.23E-10	1,000,000	5.23E-04
313	1.184E-06	1.2346E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
314	1.184E-06	1.1603E-06	6.05E-04	7.02E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
315	1.184E-06	2.2313E-07	6.05E-04	1.35E-10	14.00	4.71E-02	8.91E-11	1,000,000	8.91E-05
316	1.184E-06	2.4422E-07	6.05E-04	1.48E-10	14.00	4.71E-02	9.75E-11	1,000,000	9.75E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.184E-06	2.6734E-07	6.05E-04	1.62E-10	14.00	4.71E-02	1.07E-10	1,000,000	1.07E-04
318	1.184E-06	2.9305E-07	6.05E-04	1.77E-10	14.00	4.71E-02	1.17E-10	1,000,000	1.17E-04
319	1.184E-06	3.2107E-07	6.05E-04	1.94E-10	14.00	4.71E-02	1.28E-10	1,000,000	1.28E-04
320	1.184E-06	3.7082E-07	6.05E-04	2.24E-10	14.00	4.71E-02	1.48E-10	1,000,000	1.48E-04
321	1.184E-06	4.1415E-07	6.05E-04	2.51E-10	14.00	4.71E-02	1.65E-10	1,000,000	1.65E-04
322	1.184E-06	4.7175E-07	6.05E-04	2.85E-10	14.00	4.71E-02	1.88E-10	1,000,000	1.88E-04
323	1.184E-06	5.4797E-07	6.05E-04	3.32E-10	14.00	4.71E-02	2.19E-10	1,000,000	2.19E-04
324	1.184E-06	6.2952E-07	6.05E-04	3.81E-10	14.00	4.71E-02	2.51E-10	1,000,000	2.51E-04
325	1.184E-06	7.2469E-07	6.05E-04	4.38E-10	14.00	4.71E-02	2.89E-10	1,000,000	2.89E-04
326	1.184E-06	8.3748E-07	6.05E-04	5.07E-10	14.00	4.71E-02	3.34E-10	1,000,000	3.34E-04
327	1.184E-06	1.0595E-06	6.05E-04	6.41E-10	14.00	4.71E-02	4.23E-10	1,000,000	4.23E-04
328	1.184E-06	9.3395E-07	6.05E-04	5.65E-10	14.00	4.71E-02	3.73E-10	1,000,000	3.73E-04
329	1.184E-06	9.5806E-07	6.05E-04	5.80E-10	14.00	4.71E-02	3.83E-10	1,000,000	3.83E-04
330	1.184E-06	9.8709E-07	6.05E-04	5.97E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
331	1.184E-06	1.0092E-06	6.05E-04	6.11E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
332	1.184E-06	1.0229E-06	6.05E-04	6.19E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
333	1.184E-06	9.8517E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
334	1.184E-06	1.0085E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
335	1.184E-06	9.8267E-07	6.05E-04	5.95E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
336	1.184E-06	9.4591E-07	6.05E-04	5.72E-10	14.00	4.71E-02	3.78E-10	1,000,000	3.78E-04
337	1.184E-06	2.0268E-07	6.05E-04	1.23E-10	14.00	4.71E-02	8.09E-11	1,000,000	8.09E-05
338	1.184E-06	2.1949E-07	6.05E-04	1.33E-10	14.00	4.71E-02	8.77E-11	1,000,000	8.77E-05
339	1.184E-06	2.3632E-07	6.05E-04	1.43E-10	14.00	4.71E-02	9.44E-11	1,000,000	9.44E-05
340	1.184E-06	2.6103E-07	6.05E-04	1.58E-10	14.00	4.71E-02	1.04E-10	1,000,000	1.04E-04
341	1.184E-06	2.8428E-07	6.05E-04	1.72E-10	14.00	4.71E-02	1.14E-10	1,000,000	1.14E-04
342	1.184E-06	3.2375E-07	6.05E-04	1.96E-10	14.00	4.71E-02	1.29E-10	1,000,000	1.29E-04
343	1.184E-06	3.5616E-07	6.05E-04	2.16E-10	14.00	4.71E-02	1.42E-10	1,000,000	1.42E-04
344	1.184E-06	4.0273E-07	6.05E-04	2.44E-10	14.00	4.71E-02	1.61E-10	1,000,000	1.61E-04
345	1.184E-06	4.5743E-07	6.05E-04	2.77E-10	14.00	4.71E-02	1.83E-10	1,000,000	1.83E-04
346	1.184E-06	5.2757E-07	6.05E-04	3.19E-10	14.00	4.71E-02	2.11E-10	1,000,000	2.11E-04
347	1.184E-06	5.8899E-07	6.05E-04	3.56E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
348	1.184E-06	6.5892E-07	6.05E-04	3.99E-10	14.00	4.71E-02	2.63E-10	1,000,000	2.63E-04
349	1.184E-06	6.6565E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.184E-06	7.0503E-07	6.05E-04	4.27E-10	14.00	4.71E-02	2.82E-10	1,000,000	2.82E-04
351	1.184E-06	7.3865E-07	6.05E-04	4.47E-10	14.00	4.71E-02	2.95E-10	1,000,000	2.95E-04
352	1.184E-06	7.3705E-07	6.05E-04	4.46E-10	14.00	4.71E-02	2.94E-10	1,000,000	2.94E-04
353	1.184E-06	7.8075E-07	6.05E-04	4.72E-10	14.00	4.71E-02	3.12E-10	1,000,000	3.12E-04
354	1.184E-06	7.7582E-07	6.05E-04	4.69E-10	14.00	4.71E-02	3.10E-10	1,000,000	3.10E-04
355	1.184E-06	7.8604E-07	6.05E-04	4.76E-10	14.00	4.71E-02	3.14E-10	1,000,000	3.14E-04
356	1.184E-06	7.933E-07	6.05E-04	4.80E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
357	1.184E-06	7.7804E-07	6.05E-04	4.71E-10	14.00	4.71E-02	3.11E-10	1,000,000	3.11E-04
358	1.184E-06	7.5646E-07	6.05E-04	4.58E-10	14.00	4.71E-02	3.02E-10	1,000,000	3.02E-04
359	1.184E-06	1.809E-07	6.05E-04	1.09E-10	14.00	4.71E-02	7.22E-11	1,000,000	7.22E-05
360	1.184E-06	1.9633E-07	6.05E-04	1.19E-10	14.00	4.71E-02	7.84E-11	1,000,000	7.84E-05
361	1.184E-06	2.1201E-07	6.05E-04	1.28E-10	14.00	4.71E-02	8.47E-11	1,000,000	8.47E-05
362	1.184E-06	2.2989E-07	6.05E-04	1.39E-10	14.00	4.71E-02	9.18E-11	1,000,000	9.18E-05
363	1.184E-06	2.4843E-07	6.05E-04	1.50E-10	14.00	4.71E-02	9.92E-11	1,000,000	9.92E-05
364	1.184E-06	2.77E-07	6.05E-04	1.68E-10	14.00	4.71E-02	1.11E-10	1,000,000	1.11E-04
365	1.184E-06	3.0893E-07	6.05E-04	1.87E-10	14.00	4.71E-02	1.23E-10	1,000,000	1.23E-04
366	1.184E-06	3.4726E-07	6.05E-04	2.10E-10	14.00	4.71E-02	1.39E-10	1,000,000	1.39E-04
367	1.184E-06	3.9622E-07	6.05E-04	2.40E-10	14.00	4.71E-02	1.58E-10	1,000,000	1.58E-04
368	1.184E-06	4.4108E-07	6.05E-04	2.67E-10	14.00	4.71E-02	1.76E-10	1,000,000	1.76E-04
369	1.184E-06	4.7972E-07	6.05E-04	2.90E-10	14.00	4.71E-02	1.92E-10	1,000,000	1.92E-04
370	1.184E-06	5.0914E-07	6.05E-04	3.08E-10	14.00	4.71E-02	2.03E-10	1,000,000	2.03E-04
371	1.184E-06	5.4683E-07	6.05E-04	3.31E-10	14.00	4.71E-02	2.18E-10	1,000,000	2.18E-04
372	1.184E-06	5.7372E-07	6.05E-04	3.47E-10	14.00	4.71E-02	2.29E-10	1,000,000	2.29E-04
373	1.184E-06	5.8208E-07	6.05E-04	3.52E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04
374	1.184E-06	5.8307E-07	6.05E-04	3.53E-10	14.00	4.71E-02	2.33E-10	1,000,000	2.33E-04
375	1.184E-06	6.0996E-07	6.05E-04	3.69E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04
376	1.184E-06	6.1131E-07	6.05E-04	3.70E-10	14.00	4.71E-02	2.44E-10	1,000,000	2.44E-04
377	1.184E-06	6.2037E-07	6.05E-04	3.75E-10	14.00	4.71E-02	2.48E-10	1,000,000	2.48E-04
378	1.184E-06	6.5457E-07	6.05E-04	3.96E-10	14.00	4.71E-02	2.61E-10	1,000,000	2.61E-04
379	1.184E-06	6.5636E-07	6.05E-04	3.97E-10	14.00	4.71E-02	2.62E-10	1,000,000	2.62E-04
380	1.184E-06	6.277E-07	6.05E-04	3.80E-10	14.00	4.71E-02	2.51E-10	1,000,000	2.51E-04
381	1.184E-06	8.0411E-07	6.05E-04	4.87E-10	14.00	4.71E-02	3.21E-10	1,000,000	3.21E-04
382	1.184E-06	9.3465E-07	6.05E-04	5.66E-10	14.00	4.71E-02	3.73E-10	1,000,000	3.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.184E-06	1.0966E-06	6.05E-04	6.64E-10	14.00	4.71E-02	4.38E-10	1,000,000	4.38E-04
384	1.184E-06	1.3015E-06	6.05E-04	7.87E-10	14.00	4.71E-02	5.20E-10	1,000,000	5.20E-04
385	1.184E-06	1.5578E-06	6.05E-04	9.43E-10	14.00	4.71E-02	6.22E-10	1,000,000	6.22E-04
386	1.184E-06	1.9195E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.67E-10	1,000,000	7.67E-04
387	1.184E-06	2.4196E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.66E-10	1,000,000	9.66E-04
388	1.184E-06	3.0766E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
389	1.184E-06	4.0183E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
390	1.184E-06	5.5101E-06	6.05E-04	3.33E-09	14.00	4.71E-02	2.20E-09	1,000,000	2.20E-03
391	1.184E-06	8.1657E-06	6.05E-04	4.94E-09	14.00	4.71E-02	3.26E-09	1,000,000	3.26E-03
392	1.184E-06	1.4156E-05	6.05E-04	8.57E-09	14.00	4.71E-02	5.65E-09	1,000,000	5.65E-03
393	1.184E-06	4.2023E-05	6.05E-04	2.54E-08	14.00	4.71E-02	1.68E-08	1,000,000	1.68E-02
394	1.184E-06	2.7544E-05	6.05E-04	1.67E-08	14.00	4.71E-02	1.10E-08	1,000,000	1.10E-02
395	1.184E-06	1.2323E-05	6.05E-04	7.46E-09	14.00	4.71E-02	4.92E-09	1,000,000	4.92E-03
396	1.184E-06	7.592E-06	6.05E-04	4.59E-09	14.00	4.71E-02	3.03E-09	1,000,000	3.03E-03
397	1.184E-06	5.2715E-06	6.05E-04	3.19E-09	14.00	4.71E-02	2.11E-09	1,000,000	2.11E-03
398	1.184E-06	3.9055E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
399	1.184E-06	7.9056E-07	6.05E-04	4.78E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04
400	1.184E-06	9.1052E-07	6.05E-04	5.51E-10	14.00	4.71E-02	3.64E-10	1,000,000	3.64E-04
401	1.184E-06	1.0565E-06	6.05E-04	6.39E-10	14.00	4.71E-02	4.22E-10	1,000,000	4.22E-04
402	1.184E-06	1.2807E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.11E-10	1,000,000	5.11E-04
403	1.184E-06	1.5954E-06	6.05E-04	9.65E-10	14.00	4.71E-02	6.37E-10	1,000,000	6.37E-04
404	1.184E-06	2.0281E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.10E-10	1,000,000	8.10E-04
405	1.184E-06	2.5901E-06	6.05E-04	1.57E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
406	1.184E-06	3.3657E-06	6.05E-04	2.04E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
407	1.184E-06	4.5363E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
408	1.184E-06	6.4812E-06	6.05E-04	3.92E-09	14.00	4.71E-02	2.59E-09	1,000,000	2.59E-03
409	1.184E-06	1.0259E-05	6.05E-04	6.21E-09	14.00	4.71E-02	4.10E-09	1,000,000	4.10E-03
410	1.184E-06	2.0146E-05	6.05E-04	1.22E-08	14.00	4.71E-02	8.05E-09	1,000,000	8.05E-03
411	1.184E-06	8.5497E-05	6.05E-04	5.17E-08	14.00	4.71E-02	3.41E-08	1,000,000	3.41E-02
412	1.184E-06	5.2813E-05	6.05E-04	3.20E-08	14.00	4.71E-02	2.11E-08	1,000,000	2.11E-02
413	1.184E-06	1.8103E-05	6.05E-04	1.10E-08	14.00	4.71E-02	7.23E-09	1,000,000	7.23E-03
414	1.184E-06	9.9197E-06	6.05E-04	6.00E-09	14.00	4.71E-02	3.96E-09	1,000,000	3.96E-03
415	1.184E-06	6.4331E-06	6.05E-04	3.89E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.184E-06	4.5478E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
417	1.184E-06	7.4236E-07	6.05E-04	4.49E-10	14.00	4.71E-02	2.96E-10	1,000,000	2.96E-04
418	1.184E-06	8.6521E-07	6.05E-04	5.24E-10	14.00	4.71E-02	3.46E-10	1,000,000	3.46E-04
419	1.184E-06	1.0245E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
420	1.184E-06	1.2749E-06	6.05E-04	7.71E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
421	1.184E-06	1.5975E-06	6.05E-04	9.67E-10	14.00	4.71E-02	6.38E-10	1,000,000	6.38E-04
422	1.184E-06	2.0022E-06	6.05E-04	1.21E-09	14.00	4.71E-02	8.00E-10	1,000,000	8.00E-04
423	1.184E-06	2.5828E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
424	1.184E-06	3.4487E-06	6.05E-04	2.09E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
425	1.184E-06	4.8373E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
426	1.184E-06	7.0996E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
427	1.184E-06	1.161E-05	6.05E-04	7.02E-09	14.00	4.71E-02	4.64E-09	1,000,000	4.64E-03
428	1.184E-06	2.2983E-05	6.05E-04	1.39E-08	14.00	4.71E-02	9.18E-09	1,000,000	9.18E-03
429	1.184E-06	8.6753E-05	6.05E-04	5.25E-08	14.00	4.71E-02	3.46E-08	1,000,000	3.46E-02
430	1.184E-06	6.0706E-05	6.05E-04	3.67E-08	14.00	4.71E-02	2.42E-08	1,000,000	2.42E-02
431	1.184E-06	2.1573E-05	6.05E-04	1.31E-08	14.00	4.71E-02	8.62E-09	1,000,000	8.62E-03
432	1.184E-06	1.164E-05	6.05E-04	7.04E-09	14.00	4.71E-02	4.65E-09	1,000,000	4.65E-03
433	1.184E-06	7.3889E-06	6.05E-04	4.47E-09	14.00	4.71E-02	2.95E-09	1,000,000	2.95E-03
434	1.184E-06	5.1186E-06	6.05E-04	3.10E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
435	1.184E-06	6.7655E-07	6.05E-04	4.09E-10	14.00	4.71E-02	2.70E-10	1,000,000	2.70E-04
436	1.184E-06	7.9781E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
437	1.184E-06	9.8453E-07	6.05E-04	5.96E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
438	1.184E-06	1.2531E-06	6.05E-04	7.58E-10	14.00	4.71E-02	5.00E-10	1,000,000	5.00E-04
439	1.184E-06	1.5322E-06	6.05E-04	9.27E-10	14.00	4.71E-02	6.12E-10	1,000,000	6.12E-04
440	1.184E-06	1.9325E-06	6.05E-04	1.17E-09	14.00	4.71E-02	7.72E-10	1,000,000	7.72E-04
441	1.184E-06	2.5252E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
442	1.184E-06	3.3898E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
443	1.184E-06	4.7741E-06	6.05E-04	2.89E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
444	1.184E-06	7.1961E-06	6.05E-04	4.35E-09	14.00	4.71E-02	2.87E-09	1,000,000	2.87E-03
445	1.184E-06	1.1946E-05	6.05E-04	7.23E-09	14.00	4.71E-02	4.77E-09	1,000,000	4.77E-03
446	1.184E-06	2.3577E-05	6.05E-04	1.43E-08	14.00	4.71E-02	9.42E-09	1,000,000	9.42E-03
447	1.184E-06	8.5056E-05	6.05E-04	5.15E-08	14.00	4.71E-02	3.40E-08	1,000,000	3.40E-02
448	1.184E-06	6.3455E-05	6.05E-04	3.84E-08	14.00	4.71E-02	2.53E-08	1,000,000	2.53E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.184E-06	2.2884E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.14E-09	1,000,000	9.14E-03
450	1.184E-06	1.2437E-05	6.05E-04	7.53E-09	14.00	4.71E-02	4.97E-09	1,000,000	4.97E-03
451	1.184E-06	7.8457E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
452	1.184E-06	5.4331E-06	6.05E-04	3.29E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
453	1.184E-06	6.2083E-07	6.05E-04	3.76E-10	14.00	4.71E-02	2.48E-10	1,000,000	2.48E-04
454	1.184E-06	7.3031E-07	6.05E-04	4.42E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
455	1.184E-06	9.0092E-07	6.05E-04	5.45E-10	14.00	4.71E-02	3.60E-10	1,000,000	3.60E-04
456	1.184E-06	1.1159E-06	6.05E-04	6.75E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
457	1.184E-06	1.4108E-06	6.05E-04	8.54E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
458	1.184E-06	1.7677E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.06E-10	1,000,000	7.06E-04
459	1.184E-06	2.3507E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.39E-10	1,000,000	9.39E-04
460	1.184E-06	3.1812E-06	6.05E-04	1.92E-09	14.00	4.71E-02	1.27E-09	1,000,000	1.27E-03
461	1.184E-06	4.5402E-06	6.05E-04	2.75E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
462	1.184E-06	6.7981E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
463	1.184E-06	1.1248E-05	6.05E-04	6.81E-09	14.00	4.71E-02	4.49E-09	1,000,000	4.49E-03
464	1.184E-06	2.2512E-05	6.05E-04	1.36E-08	14.00	4.71E-02	8.99E-09	1,000,000	8.99E-03
465	1.184E-06	8.2285E-05	6.05E-04	4.98E-08	14.00	4.71E-02	3.29E-08	1,000,000	3.29E-02
466	1.184E-06	6.3824E-05	6.05E-04	3.86E-08	14.00	4.71E-02	2.55E-08	1,000,000	2.55E-02
467	1.184E-06	2.2634E-05	6.05E-04	1.37E-08	14.00	4.71E-02	9.04E-09	1,000,000	9.04E-03
468	1.184E-06	1.2306E-05	6.05E-04	7.45E-09	14.00	4.71E-02	4.91E-09	1,000,000	4.91E-03
469	1.184E-06	7.8422E-06	6.05E-04	4.75E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
470	1.184E-06	5.4651E-06	6.05E-04	3.31E-09	14.00	4.71E-02	2.18E-09	1,000,000	2.18E-03
471	1.184E-06	5.6014E-07	6.05E-04	3.39E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
472	1.184E-06	6.7223E-07	6.05E-04	4.07E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
473	1.184E-06	8.1195E-07	6.05E-04	4.91E-10	14.00	4.71E-02	3.24E-10	1,000,000	3.24E-04
474	1.184E-06	9.7726E-07	6.05E-04	5.91E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
475	1.184E-06	1.1884E-06	6.05E-04	7.19E-10	14.00	4.71E-02	4.75E-10	1,000,000	4.75E-04
476	1.184E-06	6.1677E-05	6.05E-04	3.73E-08	14.00	4.71E-02	2.46E-08	1,000,000	2.46E-02
477	1.184E-06	2.06E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.23E-09	1,000,000	8.23E-03
478	1.184E-06	1.126E-05	6.05E-04	6.81E-09	14.00	4.71E-02	4.50E-09	1,000,000	4.50E-03
479	1.184E-06	7.338E-06	6.05E-04	4.44E-09	14.00	4.71E-02	2.93E-09	1,000,000	2.93E-03
480	1.184E-06	5.212E-06	6.05E-04	3.15E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
481	1.184E-06	5.1281E-07	6.05E-04	3.10E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.184E-06	6.1241E-07	6.05E-04	3.71E-10	14.00	4.71E-02	2.45E-10	1,000,000	2.45E-04
483	1.184E-06	7.1345E-07	6.05E-04	4.32E-10	14.00	4.71E-02	2.85E-10	1,000,000	2.85E-04
484	1.184E-06	8.5231E-07	6.05E-04	5.16E-10	14.00	4.71E-02	3.40E-10	1,000,000	3.40E-04
485	1.184E-06	1.0827E-06	6.05E-04	6.55E-10	14.00	4.71E-02	4.32E-10	1,000,000	4.32E-04
486	1.184E-06	4.1271E-05	6.05E-04	2.50E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
487	1.184E-06	1.5754E-05	6.05E-04	9.53E-09	14.00	4.71E-02	6.29E-09	1,000,000	6.29E-03
488	1.184E-06	9.3532E-06	6.05E-04	5.66E-09	14.00	4.71E-02	3.74E-09	1,000,000	3.74E-03
489	1.184E-06	6.3614E-06	6.05E-04	3.85E-09	14.00	4.71E-02	2.54E-09	1,000,000	2.54E-03
490	1.184E-06	4.6965E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
491	1.184E-06	4.6356E-07	6.05E-04	2.80E-10	14.00	4.71E-02	1.85E-10	1,000,000	1.85E-04
492	1.184E-06	5.4135E-07	6.05E-04	3.28E-10	14.00	4.71E-02	2.16E-10	1,000,000	2.16E-04
493	1.184E-06	6.2516E-07	6.05E-04	3.78E-10	14.00	4.71E-02	2.50E-10	1,000,000	2.50E-04
494	1.184E-06	7.4614E-07	6.05E-04	4.51E-10	14.00	4.71E-02	2.98E-10	1,000,000	2.98E-04
495	1.184E-06	9.1997E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.67E-10	1,000,000	3.67E-04
496	1.184E-06	2.0308E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.11E-10	1,000,000	8.11E-04
497	1.184E-06	2.54E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
498	1.184E-06	1.3384E-05	6.05E-04	8.10E-09	14.00	4.71E-02	5.34E-09	1,000,000	5.34E-03
499	1.184E-06	1.2938E-05	6.05E-04	7.83E-09	14.00	4.71E-02	5.17E-09	1,000,000	5.17E-03
500	1.184E-06	9.4475E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.77E-09	1,000,000	3.77E-03
501	1.184E-06	6.7439E-06	6.05E-04	4.08E-09	14.00	4.71E-02	2.69E-09	1,000,000	2.69E-03
502	1.184E-06	5.1041E-06	6.05E-04	3.09E-09	14.00	4.71E-02	2.04E-09	1,000,000	2.04E-03
503	1.184E-06	3.9875E-06	6.05E-04	2.41E-09	14.00	4.71E-02	1.59E-09	1,000,000	1.59E-03
504	1.184E-06	4.1961E-07	6.05E-04	2.54E-10	14.00	4.71E-02	1.68E-10	1,000,000	1.68E-04
505	1.184E-06	4.7336E-07	6.05E-04	2.86E-10	14.00	4.71E-02	1.89E-10	1,000,000	1.89E-04
506	1.184E-06	5.611E-07	6.05E-04	3.40E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
507	1.184E-06	6.457E-07	6.05E-04	3.91E-10	14.00	4.71E-02	2.58E-10	1,000,000	2.58E-04
508	1.184E-06	7.9588E-07	6.05E-04	4.82E-10	14.00	4.71E-02	3.18E-10	1,000,000	3.18E-04
509	1.184E-06	9.6398E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04
510	1.184E-06	1.1927E-06	6.05E-04	7.22E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
511	1.184E-06	1.5275E-06	6.05E-04	9.24E-10	14.00	4.71E-02	6.10E-10	1,000,000	6.10E-04
512	1.184E-06	2.0427E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.16E-10	1,000,000	8.16E-04
513	1.184E-06	2.7001E-06	6.05E-04	1.63E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
514	1.184E-06	3.7093E-06	6.05E-04	2.24E-09	14.00	4.71E-02	1.48E-09	1,000,000	1.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.184E-06	4.9138E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
516	1.184E-06	5.9692E-06	6.05E-04	3.61E-09	14.00	4.71E-02	2.38E-09	1,000,000	2.38E-03
517	1.184E-06	6.2057E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.48E-09	1,000,000	2.48E-03
518	1.184E-06	5.4459E-06	6.05E-04	3.30E-09	14.00	4.71E-02	2.17E-09	1,000,000	2.17E-03
519	1.184E-06	4.5778E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
520	1.184E-06	3.8393E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
521	1.184E-06	3.2124E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
522	1.184E-06	3.7627E-07	6.05E-04	2.28E-10	14.00	4.71E-02	1.50E-10	1,000,000	1.50E-04
523	1.184E-06	4.303E-07	6.05E-04	2.60E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
524	1.184E-06	4.9464E-07	6.05E-04	2.99E-10	14.00	4.71E-02	1.98E-10	1,000,000	1.98E-04
525	1.184E-06	5.6983E-07	6.05E-04	3.45E-10	14.00	4.71E-02	2.28E-10	1,000,000	2.28E-04
526	1.184E-06	6.494E-07	6.05E-04	3.93E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
527	1.184E-06	8.1134E-07	6.05E-04	4.91E-10	14.00	4.71E-02	3.24E-10	1,000,000	3.24E-04
528	1.184E-06	9.8362E-07	6.05E-04	5.95E-10	14.00	4.71E-02	3.93E-10	1,000,000	3.93E-04
529	1.184E-06	1.2175E-06	6.05E-04	7.37E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
530	1.184E-06	1.5566E-06	6.05E-04	9.42E-10	14.00	4.71E-02	6.22E-10	1,000,000	6.22E-04
531	1.184E-06	1.9827E-06	6.05E-04	1.20E-09	14.00	4.71E-02	7.92E-10	1,000,000	7.92E-04
532	1.184E-06	2.5307E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
533	1.184E-06	3.2403E-06	6.05E-04	1.96E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
534	1.184E-06	3.3834E-06	6.05E-04	2.05E-09	14.00	4.71E-02	1.35E-09	1,000,000	1.35E-03
535	1.184E-06	3.5974E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
536	1.184E-06	3.4286E-06	6.05E-04	2.07E-09	14.00	4.71E-02	1.37E-09	1,000,000	1.37E-03
537	1.184E-06	3.2224E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
538	1.184E-06	2.8232E-06	6.05E-04	1.71E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
539	1.184E-06	2.5305E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
540	1.184E-06	3.3794E-07	6.05E-04	2.04E-10	14.00	4.71E-02	1.35E-10	1,000,000	1.35E-04
541	1.184E-06	3.8244E-07	6.05E-04	2.31E-10	14.00	4.71E-02	1.53E-10	1,000,000	1.53E-04
542	1.184E-06	4.3412E-07	6.05E-04	2.63E-10	14.00	4.71E-02	1.73E-10	1,000,000	1.73E-04
543	1.184E-06	4.9625E-07	6.05E-04	3.00E-10	14.00	4.71E-02	1.98E-10	1,000,000	1.98E-04
544	1.184E-06	5.8358E-07	6.05E-04	3.53E-10	14.00	4.71E-02	2.33E-10	1,000,000	2.33E-04
545	1.184E-06	6.7438E-07	6.05E-04	4.08E-10	14.00	4.71E-02	2.69E-10	1,000,000	2.69E-04
546	1.184E-06	8.0774E-07	6.05E-04	4.89E-10	14.00	4.71E-02	3.23E-10	1,000,000	3.23E-04
547	1.184E-06	9.6415E-07	6.05E-04	5.83E-10	14.00	4.71E-02	3.85E-10	1,000,000	3.85E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.184E-06	1.1979E-06	6.05E-04	7.25E-10	14.00	4.71E-02	4.78E-10	1,000,000	4.78E-04
549	1.184E-06	1.4671E-06	6.05E-04	8.88E-10	14.00	4.71E-02	5.86E-10	1,000,000	5.86E-04
550	1.184E-06	1.8326E-06	6.05E-04	1.11E-09	14.00	4.71E-02	7.32E-10	1,000,000	7.32E-04
551	1.184E-06	2.5071E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
552	1.184E-06	2.2457E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.97E-10	1,000,000	8.97E-04
553	1.184E-06	2.2456E-06	6.05E-04	1.36E-09	14.00	4.71E-02	8.97E-10	1,000,000	8.97E-04
554	1.184E-06	2.1739E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.68E-10	1,000,000	8.68E-04
555	1.184E-06	2.4346E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.72E-10	1,000,000	9.72E-04
556	1.184E-06	2.1856E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.73E-10	1,000,000	8.73E-04
557	1.184E-06	1.9551E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.81E-10	1,000,000	7.81E-04
558	1.184E-06	3.0433E-07	6.05E-04	1.84E-10	14.00	4.71E-02	1.22E-10	1,000,000	1.22E-04
559	1.184E-06	3.4192E-07	6.05E-04	2.07E-10	14.00	4.71E-02	1.37E-10	1,000,000	1.37E-04
560	1.184E-06	3.7814E-07	6.05E-04	2.29E-10	14.00	4.71E-02	1.51E-10	1,000,000	1.51E-04
561	1.184E-06	4.3024E-07	6.05E-04	2.60E-10	14.00	4.71E-02	1.72E-10	1,000,000	1.72E-04
562	1.184E-06	4.8429E-07	6.05E-04	2.93E-10	14.00	4.71E-02	1.93E-10	1,000,000	1.93E-04
563	1.184E-06	5.5757E-07	6.05E-04	3.37E-10	14.00	4.71E-02	2.23E-10	1,000,000	2.23E-04
564	1.184E-06	6.6552E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
565	1.184E-06	7.7417E-07	6.05E-04	4.68E-10	14.00	4.71E-02	3.09E-10	1,000,000	3.09E-04
566	1.184E-06	9.3986E-07	6.05E-04	5.69E-10	14.00	4.71E-02	3.75E-10	1,000,000	3.75E-04
567	1.184E-06	1.1165E-06	6.05E-04	6.76E-10	14.00	4.71E-02	4.46E-10	1,000,000	4.46E-04
568	1.184E-06	1.3487E-06	6.05E-04	8.16E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
569	1.184E-06	1.3997E-06	6.05E-04	8.47E-10	14.00	4.71E-02	5.59E-10	1,000,000	5.59E-04
570	1.184E-06	1.446E-06	6.05E-04	8.75E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
571	1.184E-06	1.5348E-06	6.05E-04	9.29E-10	14.00	4.71E-02	6.13E-10	1,000,000	6.13E-04
572	1.184E-06	1.6196E-06	6.05E-04	9.80E-10	14.00	4.71E-02	6.47E-10	1,000,000	6.47E-04
573	1.184E-06	1.5698E-06	6.05E-04	9.50E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
574	1.184E-06	1.5115E-06	6.05E-04	9.15E-10	14.00	4.71E-02	6.04E-10	1,000,000	6.04E-04
575	1.184E-06	1.5041E-06	6.05E-04	9.10E-10	14.00	4.71E-02	6.01E-10	1,000,000	6.01E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.18E-06	6.8475E-07	2.50E-04	1.71E-10	1.40E+01	1.57E-02	3.77E-11	1.0E+06	3.8E-05	5.5E-04	Res	0.074	81
2	1.184E-06	7.7021E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
3	1.184E-06	8.6691E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.77E-11	1,000,000	4.77E-05	6.9E-04			
4	1.184E-06	9.878E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.44E-11	1,000,000	5.44E-05	7.9E-04			
5	1.184E-06	1.1208E-06	2.50E-04	2.80E-10	14.00	1.57E-02	6.17E-11	1,000,000	6.17E-05	8.9E-04			
6	1.184E-06	1.2819E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
7	1.184E-06	1.4792E-06	2.50E-04	3.70E-10	14.00	1.57E-02	8.14E-11	1,000,000	8.14E-05	1.2E-03			
8	1.184E-06	1.7225E-06	2.50E-04	4.31E-10	14.00	1.57E-02	9.48E-11	1,000,000	9.48E-05	1.4E-03			
9	1.184E-06	2.0254E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
10	1.184E-06	2.4032E-06	2.50E-04	6.01E-10	14.00	1.57E-02	1.32E-10	1,000,000	1.32E-04	1.9E-03			
11	1.184E-06	2.8712E-06	2.50E-04	7.19E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
12	1.184E-06	3.4356E-06	2.50E-04	8.60E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
13	1.184E-06	4.0593E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.24E-10	1,000,000	2.24E-04	3.2E-03			
14	1.184E-06	4.5943E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.53E-10	1,000,000	2.53E-04	3.7E-03			
15	1.184E-06	4.7695E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
16	1.184E-06	4.4525E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.45E-10	1,000,000	2.45E-04	3.5E-03			
17	1.184E-06	3.8735E-06	2.50E-04	9.69E-10	14.00	1.57E-02	2.13E-10	1,000,000	2.13E-04	3.1E-03			
18	1.184E-06	3.2638E-06	2.50E-04	8.17E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
19	1.184E-06	2.7273E-06	2.50E-04	6.83E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
20	1.184E-06	2.2939E-06	2.50E-04	5.74E-10	14.00	1.57E-02	1.26E-10	1,000,000	1.26E-04	1.8E-03			
21	1.184E-06	1.9433E-06	2.50E-04	4.86E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
22	1.184E-06	1.659E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.13E-11	1,000,000	9.13E-05	1.3E-03			
23	1.184E-06	6.906E-07	2.50E-04	1.73E-10	14.00	1.57E-02	3.80E-11	1,000,000	3.80E-05	5.5E-04			
24	1.184E-06	7.8117E-07	2.50E-04	1.96E-10	14.00	1.57E-02	4.30E-11	1,000,000	4.30E-05	6.2E-04			
25	1.184E-06	8.8783E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.89E-11	1,000,000	4.89E-05	7.1E-04			
26	1.184E-06	1.0186E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.61E-11	1,000,000	5.61E-05	8.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.184E-06	1.1795E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.49E-11	1,000,000	6.49E-05	9.4E-04			
28	1.184E-06	1.3622E-06	2.50E-04	3.41E-10	14.00	1.57E-02	7.50E-11	1,000,000	7.50E-05	1.1E-03			
29	1.184E-06	1.6166E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.90E-11	1,000,000	8.90E-05	1.3E-03			
30	1.184E-06	1.917E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
31	1.184E-06	2.3079E-06	2.50E-04	5.78E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
32	1.184E-06	2.8264E-06	2.50E-04	7.07E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
33	1.184E-06	3.5271E-06	2.50E-04	8.83E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
34	1.184E-06	4.4927E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
35	1.184E-06	5.8031E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
36	1.184E-06	7.316E-06	2.50E-04	1.83E-09	14.00	1.57E-02	4.03E-10	1,000,000	4.03E-04	5.8E-03			
37	1.184E-06	7.9159E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.36E-10	1,000,000	4.36E-04	6.3E-03			
38	1.184E-06	6.8582E-06	2.50E-04	1.72E-09	14.00	1.57E-02	3.78E-10	1,000,000	3.78E-04	5.5E-03			
39	1.184E-06	5.4031E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
40	1.184E-06	4.2181E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.32E-10	1,000,000	2.32E-04	3.4E-03			
41	1.184E-06	3.341E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
42	1.184E-06	2.697E-06	2.50E-04	6.75E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
43	1.184E-06	2.216E-06	2.50E-04	5.55E-10	14.00	1.57E-02	1.22E-10	1,000,000	1.22E-04	1.8E-03			
44	1.184E-06	1.8616E-06	2.50E-04	4.66E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
45	1.184E-06	6.8314E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.76E-11	1,000,000	3.76E-05	5.4E-04			
46	1.184E-06	7.7641E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.27E-11	1,000,000	4.27E-05	6.2E-04			
47	1.184E-06	8.8638E-07	2.50E-04	2.22E-10	14.00	1.57E-02	4.88E-11	1,000,000	4.88E-05	7.1E-04			
48	1.184E-06	1.0205E-06	2.50E-04	2.55E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04			
49	1.184E-06	1.1972E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.59E-11	1,000,000	6.59E-05	9.5E-04			
50	1.184E-06	1.4193E-06	2.50E-04	3.55E-10	14.00	1.57E-02	7.81E-11	1,000,000	7.81E-05	1.1E-03			
51	1.184E-06	1.7046E-06	2.50E-04	4.27E-10	14.00	1.57E-02	9.39E-11	1,000,000	9.39E-05	1.4E-03			
52	1.184E-06	2.0876E-06	2.50E-04	5.22E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.184E-06	2.5932E-06	2.50E-04	6.49E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
54	1.184E-06	3.2777E-06	2.50E-04	8.20E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
55	1.184E-06	4.284E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
56	1.184E-06	5.868E-06	2.50E-04	1.47E-09	14.00	1.57E-02	3.23E-10	1,000,000	3.23E-04	4.7E-03			
57	1.184E-06	8.6374E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.9E-03			
58	1.184E-06	1.4294E-05	2.50E-04	3.58E-09	14.00	1.57E-02	7.87E-10	1,000,000	7.87E-04	1.1E-02			
59	1.184E-06	1.9744E-05	2.50E-04	4.94E-09	14.00	1.57E-02	1.09E-09	1,000,000	1.09E-03	1.6E-02			
60	1.184E-06	1.2225E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.73E-10	1,000,000	6.73E-04	9.7E-03			
61	1.184E-06	7.8481E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.32E-10	1,000,000	4.32E-04	6.3E-03			
62	1.184E-06	5.503E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
63	1.184E-06	4.093E-06	2.50E-04	1.02E-09	14.00	1.57E-02	2.25E-10	1,000,000	2.25E-04	3.3E-03			
64	1.184E-06	3.1724E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
65	1.184E-06	2.5374E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
66	1.184E-06	2.0791E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
67	1.184E-06	6.5758E-07	2.50E-04	1.65E-10	14.00	1.57E-02	3.62E-11	1,000,000	3.62E-05	5.2E-04			
68	1.184E-06	7.5512E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.16E-11	1,000,000	4.16E-05	6.0E-04			
69	1.184E-06	8.5851E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.73E-11	1,000,000	4.73E-05	6.8E-04			
70	1.184E-06	1.006E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.54E-11	1,000,000	5.54E-05	8.0E-04			
71	1.184E-06	1.1908E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.56E-11	1,000,000	6.56E-05	9.5E-04			
72	1.184E-06	1.4315E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.88E-11	1,000,000	7.88E-05	1.1E-03			
73	1.184E-06	1.7442E-06	2.50E-04	4.37E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
74	1.184E-06	2.2041E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
75	1.184E-06	2.8285E-06	2.50E-04	7.08E-10	14.00	1.57E-02	1.56E-10	1,000,000	1.56E-04	2.3E-03			
76	1.184E-06	3.7051E-06	2.50E-04	9.27E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			
77	1.184E-06	5.0393E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.77E-10	1,000,000	2.77E-04	4.0E-03			
78	1.184E-06	7.3559E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.05E-10	1,000,000	4.05E-04	5.9E-03			
79	1.184E-06	1.2246E-05	2.50E-04	3.06E-09	14.00	1.57E-02	6.74E-10	1,000,000	6.74E-04	9.8E-03			
80	1.184E-06	2.9236E-05	2.50E-04	7.32E-09	14.00	1.57E-02	1.61E-09	1,000,000	1.61E-03	2.3E-02			
81	1.184E-06	9.2894E-05	2.50E-04	2.32E-08	14.00	1.57E-02	5.11E-09	1,000,000	5.11E-03	7.4E-02			
82	1.184E-06	2.3116E-05	2.50E-04	5.79E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
83	1.184E-06	1.1299E-05	2.50E-04	2.83E-09	14.00	1.57E-02	6.22E-10	1,000,000	6.22E-04	9.0E-03			
84	1.184E-06	7.0951E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
85	1.184E-06	4.9307E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.184E-06	3.6874E-06	2.50E-04	9.23E-10	14.00	1.57E-02	2.03E-10	1,000,000	2.03E-04	2.9E-03			
87	1.184E-06	2.8659E-06	2.50E-04	7.17E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
88	1.184E-06	2.302E-06	2.50E-04	5.76E-10	14.00	1.57E-02	1.27E-10	1,000,000	1.27E-04	1.8E-03			
89	1.184E-06	6.2249E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.43E-11	1,000,000	3.43E-05	5.0E-04			
90	1.184E-06	7.3234E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.03E-11	1,000,000	4.03E-05	5.8E-04			
91	1.184E-06	8.3953E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.62E-11	1,000,000	4.62E-05	6.7E-04			
92	1.184E-06	9.663E-07	2.50E-04	2.42E-10	14.00	1.57E-02	5.32E-11	1,000,000	5.32E-05	7.7E-04			
93	1.184E-06	1.1394E-06	2.50E-04	2.85E-10	14.00	1.57E-02	6.27E-11	1,000,000	6.27E-05	9.1E-04			
94	1.184E-06	1.4234E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.84E-11	1,000,000	7.84E-05	1.1E-03			
95	1.184E-06	1.7837E-06	2.50E-04	4.46E-10	14.00	1.57E-02	9.82E-11	1,000,000	9.82E-05	1.4E-03			
96	1.184E-06	2.2724E-06	2.50E-04	5.69E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
97	1.184E-06	2.9527E-06	2.50E-04	7.39E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
98	1.184E-06	3.9868E-06	2.50E-04	9.98E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
99	1.184E-06	5.6483E-06	2.50E-04	1.41E-09	14.00	1.57E-02	3.11E-10	1,000,000	3.11E-04	4.5E-03			
100	1.184E-06	8.5605E-06	2.50E-04	2.14E-09	14.00	1.57E-02	4.71E-10	1,000,000	4.71E-04	6.8E-03			
101	1.184E-06	1.4978E-05	2.50E-04	3.75E-09	14.00	1.57E-02	8.25E-10	1,000,000	8.25E-04	1.2E-02			
102	1.184E-06	3.6827E-05	2.50E-04	9.22E-09	14.00	1.57E-02	2.03E-09	1,000,000	2.03E-03	2.9E-02			
103	1.184E-06	7.7369E-05	2.50E-04	1.94E-08	14.00	1.57E-02	4.26E-09	1,000,000	4.26E-03	6.2E-02			
104	1.184E-06	3.1042E-05	2.50E-04	7.77E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
105	1.184E-06	1.4425E-05	2.50E-04	3.61E-09	14.00	1.57E-02	7.94E-10	1,000,000	7.94E-04	1.1E-02			
106	1.184E-06	8.5888E-06	2.50E-04	2.15E-09	14.00	1.57E-02	4.73E-10	1,000,000	4.73E-04	6.8E-03			
107	1.184E-06	5.7669E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
108	1.184E-06	4.1717E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.30E-10	1,000,000	2.30E-04	3.3E-03			
109	1.184E-06	3.1735E-06	2.50E-04	7.94E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
110	1.184E-06	2.5101E-06	2.50E-04	6.28E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
111	1.184E-06	5.7808E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.18E-11	1,000,000	3.18E-05	4.6E-04			
112	1.184E-06	6.8222E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.76E-11	1,000,000	3.76E-05	5.4E-04			
113	1.184E-06	7.587E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.18E-11	1,000,000	4.18E-05	6.0E-04			
114	1.184E-06	8.7967E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.84E-11	1,000,000	4.84E-05	7.0E-04			
115	1.184E-06	1.0969E-06	2.50E-04	2.75E-10	14.00	1.57E-02	6.04E-11	1,000,000	6.04E-05	8.7E-04			
116	1.184E-06	1.4089E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
117	1.184E-06	1.7605E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.69E-11	1,000,000	9.69E-05	1.4E-03			
118	1.184E-06	2.2297E-06	2.50E-04	5.58E-10	14.00	1.57E-02	1.23E-10	1,000,000	1.23E-04	1.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.184E-06	2.9501E-06	2.50E-04	7.38E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
120	1.184E-06	4.0443E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.23E-10	1,000,000	2.23E-04	3.2E-03			
121	1.184E-06	5.8135E-06	2.50E-04	1.45E-09	14.00	1.57E-02	3.20E-10	1,000,000	3.20E-04	4.6E-03			
122	1.184E-06	9.1473E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.04E-10	1,000,000	5.04E-04	7.3E-03			
123	1.184E-06	1.6207E-05	2.50E-04	4.06E-09	14.00	1.57E-02	8.92E-10	1,000,000	8.92E-04	1.3E-02			
124	1.184E-06	3.8563E-05	2.50E-04	9.65E-09	14.00	1.57E-02	2.12E-09	1,000,000	2.12E-03	3.1E-02			
125	1.184E-06	8.0094E-05	2.50E-04	2.00E-08	14.00	1.57E-02	4.41E-09	1,000,000	4.41E-03	6.4E-02			
126	1.184E-06	3.4169E-05	2.50E-04	8.55E-09	14.00	1.57E-02	1.88E-09	1,000,000	1.88E-03	2.7E-02			
127	1.184E-06	1.6093E-05	2.50E-04	4.03E-09	14.00	1.57E-02	8.86E-10	1,000,000	8.86E-04	1.3E-02			
128	1.184E-06	9.5367E-06	2.50E-04	2.39E-09	14.00	1.57E-02	5.25E-10	1,000,000	5.25E-04	7.6E-03			
129	1.184E-06	6.3297E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.49E-10	1,000,000	3.49E-04	5.0E-03			
130	1.184E-06	4.5301E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
131	1.184E-06	3.4107E-06	2.50E-04	8.54E-10	14.00	1.57E-02	1.88E-10	1,000,000	1.88E-04	2.7E-03			
132	1.184E-06	2.6731E-06	2.50E-04	6.69E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
133	1.184E-06	5.3138E-07	2.50E-04	1.33E-10	14.00	1.57E-02	2.93E-11	1,000,000	2.93E-05	4.2E-04			
134	1.184E-06	6.0955E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.36E-11	1,000,000	3.36E-05	4.9E-04			
135	1.184E-06	7.0124E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.86E-11	1,000,000	3.86E-05	5.6E-04			
136	1.184E-06	8.5032E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.68E-11	1,000,000	4.68E-05	6.8E-04			
137	1.184E-06	1.0887E-06	2.50E-04	2.72E-10	14.00	1.57E-02	5.99E-11	1,000,000	5.99E-05	8.7E-04			
138	1.184E-06	1.3232E-06	2.50E-04	3.31E-10	14.00	1.57E-02	7.29E-11	1,000,000	7.29E-05	1.1E-03			
139	1.184E-06	1.6749E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
140	1.184E-06	2.0814E-06	2.50E-04	5.21E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
141	1.184E-06	2.8585E-06	2.50E-04	7.15E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
142	1.184E-06	3.8861E-06	2.50E-04	9.73E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
143	1.184E-06	5.6771E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			
144	1.184E-06	8.9884E-06	2.50E-04	2.25E-09	14.00	1.57E-02	4.95E-10	1,000,000	4.95E-04	7.2E-03			
145	1.184E-06	1.6057E-05	2.50E-04	4.02E-09	14.00	1.57E-02	8.84E-10	1,000,000	8.84E-04	1.3E-02			
146	1.184E-06	3.8142E-05	2.50E-04	9.55E-09	14.00	1.57E-02	2.10E-09	1,000,000	2.10E-03	3.0E-02			
147	1.184E-06	8.1219E-05	2.50E-04	2.03E-08	14.00	1.57E-02	4.47E-09	1,000,000	4.47E-03	6.5E-02			
148	1.184E-06	3.4902E-05	2.50E-04	8.74E-09	14.00	1.57E-02	1.92E-09	1,000,000	1.92E-03	2.8E-02			
149	1.184E-06	1.6489E-05	2.50E-04	4.13E-09	14.00	1.57E-02	9.08E-10	1,000,000	9.08E-04	1.3E-02			
150	1.184E-06	9.7949E-06	2.50E-04	2.45E-09	14.00	1.57E-02	5.39E-10	1,000,000	5.39E-04	7.8E-03			
151	1.184E-06	6.5257E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.184E-06	4.6804E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.58E-10	1,000,000	2.58E-04	3.7E-03			
153	1.184E-06	3.5276E-06	2.50E-04	8.83E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
154	1.184E-06	2.7616E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
155	1.184E-06	4.6541E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.56E-11	1,000,000	2.56E-05	3.7E-04			
156	1.184E-06	5.3781E-07	2.50E-04	1.35E-10	14.00	1.57E-02	2.96E-11	1,000,000	2.96E-05	4.3E-04			
157	1.184E-06	6.4752E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.57E-11	1,000,000	3.57E-05	5.2E-04			
158	1.184E-06	7.5554E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.16E-11	1,000,000	4.16E-05	6.0E-04			
159	1.184E-06	9.2857E-07	2.50E-04	2.32E-10	14.00	1.57E-02	5.11E-11	1,000,000	5.11E-05	7.4E-04			
160	1.184E-06	1.1439E-06	2.50E-04	2.86E-10	14.00	1.57E-02	6.30E-11	1,000,000	6.30E-05	9.1E-04			
161	1.184E-06	1.4275E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.86E-11	1,000,000	7.86E-05	1.1E-03			
162	1.184E-06	1.9232E-06	2.50E-04	4.81E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
163	1.184E-06	2.586E-06	2.50E-04	6.47E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
164	1.184E-06	3.5616E-06	2.50E-04	8.91E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
165	1.184E-06	5.1641E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
166	1.184E-06	8.1023E-06	2.50E-04	2.03E-09	14.00	1.57E-02	4.46E-10	1,000,000	4.46E-04	6.5E-03			
167	1.184E-06	1.4586E-05	2.50E-04	3.65E-09	14.00	1.57E-02	8.03E-10	1,000,000	8.03E-04	1.2E-02			
168	1.184E-06	3.5343E-05	2.50E-04	8.85E-09	14.00	1.57E-02	1.95E-09	1,000,000	1.95E-03	2.8E-02			
169	1.184E-06	8.2254E-05	2.50E-04	2.06E-08	14.00	1.57E-02	4.53E-09	1,000,000	4.53E-03	6.6E-02			
170	1.184E-06	3.3625E-05	2.50E-04	8.42E-09	14.00	1.57E-02	1.85E-09	1,000,000	1.85E-03	2.7E-02			
171	1.184E-06	1.5676E-05	2.50E-04	3.92E-09	14.00	1.57E-02	8.63E-10	1,000,000	8.63E-04	1.2E-02			
172	1.184E-06	9.4203E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.19E-10	1,000,000	5.19E-04	7.5E-03			
173	1.184E-06	6.3573E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.50E-10	1,000,000	3.50E-04	5.1E-03			
174	1.184E-06	4.6073E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.54E-10	1,000,000	2.54E-04	3.7E-03			
175	1.184E-06	3.5054E-06	2.50E-04	8.77E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
176	1.184E-06	2.7617E-06	2.50E-04	6.91E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
177	1.184E-06	4.3425E-07	2.50E-04	1.09E-10	14.00	1.57E-02	2.39E-11	1,000,000	2.39E-05	3.5E-04			
178	1.184E-06	5.059E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.79E-11	1,000,000	2.79E-05	4.0E-04			
179	1.184E-06	6.0418E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.33E-11	1,000,000	3.33E-05	4.8E-04			
180	1.184E-06	7.262E-07	2.50E-04	1.82E-10	14.00	1.57E-02	4.00E-11	1,000,000	4.00E-05	5.8E-04			
181	1.184E-06	8.7094E-07	2.50E-04	2.18E-10	14.00	1.57E-02	4.80E-11	1,000,000	4.80E-05	6.9E-04			
182	1.184E-06	1.0461E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
183	1.184E-06	1.2943E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.13E-11	1,000,000	7.13E-05	1.0E-03			
184	1.184E-06	7.8014E-05	2.50E-04	1.95E-08	14.00	1.57E-02	4.30E-09	1,000,000	4.30E-03	6.2E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.184E-06	2.855E-05	2.50E-04	7.15E-09	14.00	1.57E-02	1.57E-09	1,000,000	1.57E-03	2.3E-02			
186	1.184E-06	1.3456E-05	2.50E-04	3.37E-09	14.00	1.57E-02	7.41E-10	1,000,000	7.41E-04	1.1E-02			
187	1.184E-06	8.3769E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.61E-10	1,000,000	4.61E-04	6.7E-03			
188	1.184E-06	5.8303E-06	2.50E-04	1.46E-09	14.00	1.57E-02	3.21E-10	1,000,000	3.21E-04	4.6E-03			
189	1.184E-06	4.3186E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.38E-10	1,000,000	2.38E-04	3.4E-03			
190	1.184E-06	3.3399E-06	2.50E-04	8.36E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
191	1.184E-06	2.6654E-06	2.50E-04	6.67E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
192	1.184E-06	3.9842E-07	2.50E-04	9.97E-11	14.00	1.57E-02	2.19E-11	1,000,000	2.19E-05	3.2E-04			
193	1.184E-06	4.5601E-07	2.50E-04	1.14E-10	14.00	1.57E-02	2.51E-11	1,000,000	2.51E-05	3.6E-04			
194	1.184E-06	5.3726E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.96E-11	1,000,000	2.96E-05	4.3E-04			
195	1.184E-06	6.3497E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.50E-11	1,000,000	3.50E-05	5.1E-04			
196	1.184E-06	7.6633E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
197	1.184E-06	9.0567E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.99E-11	1,000,000	4.99E-05	7.2E-04			
198	1.184E-06	1.1261E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.20E-11	1,000,000	6.20E-05	9.0E-04			
199	1.184E-06	2.4712E-06	2.50E-04	6.18E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
200	1.184E-06	2.9338E-05	2.50E-04	7.34E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.3E-02			
201	1.184E-06	1.644E-05	2.50E-04	4.11E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
202	1.184E-06	9.9445E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.48E-10	1,000,000	5.48E-04	7.9E-03			
203	1.184E-06	6.7687E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.73E-10	1,000,000	3.73E-04	5.4E-03			
204	1.184E-06	4.9897E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.75E-10	1,000,000	2.75E-04	4.0E-03			
205	1.184E-06	3.8436E-06	2.50E-04	9.62E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
206	1.184E-06	3.0554E-06	2.50E-04	7.65E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
207	1.184E-06	2.4955E-06	2.50E-04	6.25E-10	14.00	1.57E-02	1.37E-10	1,000,000	1.37E-04	2.0E-03			
208	1.184E-06	3.6617E-07	2.50E-04	9.16E-11	14.00	1.57E-02	2.02E-11	1,000,000	2.02E-05	2.9E-04			
209	1.184E-06	4.1617E-07	2.50E-04	1.04E-10	14.00	1.57E-02	2.29E-11	1,000,000	2.29E-05	3.3E-04			
210	1.184E-06	4.6718E-07	2.50E-04	1.17E-10	14.00	1.57E-02	2.57E-11	1,000,000	2.57E-05	3.7E-04			
211	1.184E-06	5.5009E-07	2.50E-04	1.38E-10	14.00	1.57E-02	3.03E-11	1,000,000	3.03E-05	4.4E-04			
212	1.184E-06	6.4205E-07	2.50E-04	1.61E-10	14.00	1.57E-02	3.54E-11	1,000,000	3.54E-05	5.1E-04			
213	1.184E-06	7.7244E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.25E-11	1,000,000	4.25E-05	6.2E-04			
214	1.184E-06	9.5865E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.28E-11	1,000,000	5.28E-05	7.6E-04			
215	1.184E-06	1.1821E-06	2.50E-04	2.96E-10	14.00	1.57E-02	6.51E-11	1,000,000	6.51E-05	9.4E-04			
216	1.184E-06	1.5927E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.77E-11	1,000,000	8.77E-05	1.3E-03			
217	1.184E-06	2.0498E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.184E-06	7.7226E-06	2.50E-04	1.93E-09	14.00	1.57E-02	4.25E-10	1,000,000	4.25E-04	6.2E-03			
219	1.184E-06	8.9524E-06	2.50E-04	2.24E-09	14.00	1.57E-02	4.93E-10	1,000,000	4.93E-04	7.1E-03			
220	1.184E-06	7.9153E-06	2.50E-04	1.98E-09	14.00	1.57E-02	4.36E-10	1,000,000	4.36E-04	6.3E-03			
221	1.184E-06	6.2612E-06	2.50E-04	1.57E-09	14.00	1.57E-02	3.45E-10	1,000,000	3.45E-04	5.0E-03			
222	1.184E-06	4.9558E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.73E-10	1,000,000	2.73E-04	3.9E-03			
223	1.184E-06	3.9812E-06	2.50E-04	9.96E-10	14.00	1.57E-02	2.19E-10	1,000,000	2.19E-04	3.2E-03			
224	1.184E-06	3.2472E-06	2.50E-04	8.13E-10	14.00	1.57E-02	1.79E-10	1,000,000	1.79E-04	2.6E-03			
225	1.184E-06	2.6863E-06	2.50E-04	6.72E-10	14.00	1.57E-02	1.48E-10	1,000,000	1.48E-04	2.1E-03			
226	1.184E-06	2.2485E-06	2.50E-04	5.63E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
227	1.184E-06	3.3467E-07	2.50E-04	8.38E-11	14.00	1.57E-02	1.84E-11	1,000,000	1.84E-05	2.7E-04			
228	1.184E-06	3.748E-07	2.50E-04	9.38E-11	14.00	1.57E-02	2.06E-11	1,000,000	2.06E-05	3.0E-04			
229	1.184E-06	4.2232E-07	2.50E-04	1.06E-10	14.00	1.57E-02	2.33E-11	1,000,000	2.33E-05	3.4E-04			
230	1.184E-06	4.841E-07	2.50E-04	1.21E-10	14.00	1.57E-02	2.67E-11	1,000,000	2.67E-05	3.9E-04			
231	1.184E-06	5.6172E-07	2.50E-04	1.41E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
232	1.184E-06	6.4846E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.57E-11	1,000,000	3.57E-05	5.2E-04			
233	1.184E-06	8.004E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.41E-11	1,000,000	4.41E-05	6.4E-04			
234	1.184E-06	9.7587E-07	2.50E-04	2.44E-10	14.00	1.57E-02	5.37E-11	1,000,000	5.37E-05	7.8E-04			
235	1.184E-06	1.2236E-06	2.50E-04	3.06E-10	14.00	1.57E-02	6.74E-11	1,000,000	6.74E-05	9.7E-04			
236	1.184E-06	1.5661E-06	2.50E-04	3.92E-10	14.00	1.57E-02	8.62E-11	1,000,000	8.62E-05	1.2E-03			
237	1.184E-06	2.0271E-06	2.50E-04	5.07E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
238	1.184E-06	2.6696E-06	2.50E-04	6.68E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
239	1.184E-06	3.4993E-06	2.50E-04	8.76E-10	14.00	1.57E-02	1.93E-10	1,000,000	1.93E-04	2.8E-03			
240	1.184E-06	4.1881E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
241	1.184E-06	4.6602E-06	2.50E-04	1.17E-09	14.00	1.57E-02	2.57E-10	1,000,000	2.57E-04	3.7E-03			
242	1.184E-06	4.2751E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.35E-10	1,000,000	2.35E-04	3.4E-03			
243	1.184E-06	3.9301E-06	2.50E-04	9.84E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			
244	1.184E-06	3.5202E-06	2.50E-04	8.81E-10	14.00	1.57E-02	1.94E-10	1,000,000	1.94E-04	2.8E-03			
245	1.184E-06	3.0461E-06	2.50E-04	7.62E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
246	1.184E-06	2.635E-06	2.50E-04	6.59E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
247	1.184E-06	2.2771E-06	2.50E-04	5.70E-10	14.00	1.57E-02	1.25E-10	1,000,000	1.25E-04	1.8E-03			
248	1.184E-06	1.9678E-06	2.50E-04	4.93E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
249	1.184E-06	3.0658E-07	2.50E-04	7.67E-11	14.00	1.57E-02	1.69E-11	1,000,000	1.69E-05	2.4E-04			
250	1.184E-06	3.3924E-07	2.50E-04	8.49E-11	14.00	1.57E-02	1.87E-11	1,000,000	1.87E-05	2.7E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.184E-06	3.7742E-07	2.50E-04	9.45E-11	14.00	1.57E-02	2.08E-11	1,000,000	2.08E-05	3.0E-04			
252	1.184E-06	4.3036E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04			
253	1.184E-06	4.9064E-07	2.50E-04	1.23E-10	14.00	1.57E-02	2.70E-11	1,000,000	2.70E-05	3.9E-04			
254	1.184E-06	5.8054E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.20E-11	1,000,000	3.20E-05	4.6E-04			
255	1.184E-06	6.764E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.72E-11	1,000,000	3.72E-05	5.4E-04			
256	1.184E-06	8.3109E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.58E-11	1,000,000	4.58E-05	6.6E-04			
257	1.184E-06	9.8749E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.44E-11	1,000,000	5.44E-05	7.9E-04			
258	1.184E-06	1.1914E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.56E-11	1,000,000	6.56E-05	9.5E-04			
259	1.184E-06	1.5114E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.32E-11	1,000,000	8.32E-05	1.2E-03			
260	1.184E-06	1.9262E-06	2.50E-04	4.82E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
261	1.184E-06	2.3877E-06	2.50E-04	5.98E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
262	1.184E-06	2.6677E-06	2.50E-04	6.68E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
263	1.184E-06	2.7689E-06	2.50E-04	6.93E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
264	1.184E-06	2.7318E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
265	1.184E-06	2.798E-06	2.50E-04	7.00E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
266	1.184E-06	2.6381E-06	2.50E-04	6.60E-10	14.00	1.57E-02	1.45E-10	1,000,000	1.45E-04	2.1E-03			
267	1.184E-06	2.332E-06	2.50E-04	5.84E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
268	1.184E-06	2.0984E-06	2.50E-04	5.25E-10	14.00	1.57E-02	1.16E-10	1,000,000	1.16E-04	1.7E-03			
269	1.184E-06	1.8935E-06	2.50E-04	4.74E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
270	1.184E-06	1.6888E-06	2.50E-04	4.23E-10	14.00	1.57E-02	9.30E-11	1,000,000	9.30E-05	1.3E-03			
271	1.184E-06	2.7642E-07	2.50E-04	6.92E-11	14.00	1.57E-02	1.52E-11	1,000,000	1.52E-05	2.2E-04			
272	1.184E-06	3.0317E-07	2.50E-04	7.59E-11	14.00	1.57E-02	1.67E-11	1,000,000	1.67E-05	2.4E-04			
273	1.184E-06	3.3748E-07	2.50E-04	8.45E-11	14.00	1.57E-02	1.86E-11	1,000,000	1.86E-05	2.7E-04			
274	1.184E-06	3.78E-07	2.50E-04	9.46E-11	14.00	1.57E-02	2.08E-11	1,000,000	2.08E-05	3.0E-04			
275	1.184E-06	4.2782E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.36E-11	1,000,000	2.36E-05	3.4E-04			
276	1.184E-06	4.9527E-07	2.50E-04	1.24E-10	14.00	1.57E-02	2.73E-11	1,000,000	2.73E-05	3.9E-04			
277	1.184E-06	5.751E-07	2.50E-04	1.44E-10	14.00	1.57E-02	3.17E-11	1,000,000	3.17E-05	4.6E-04			
278	1.184E-06	6.6586E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.67E-11	1,000,000	3.67E-05	5.3E-04			
279	1.184E-06	7.9163E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
280	1.184E-06	9.4629E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.21E-11	1,000,000	5.21E-05	7.5E-04			
281	1.184E-06	1.1583E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
282	1.184E-06	1.4268E-06	2.50E-04	3.57E-10	14.00	1.57E-02	7.86E-11	1,000,000	7.86E-05	1.1E-03			
283	1.184E-06	1.6685E-06	2.50E-04	4.18E-10	14.00	1.57E-02	9.19E-11	1,000,000	9.19E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.184E-06	1.6809E-06	2.50E-04	4.21E-10	14.00	1.57E-02	9.25E-11	1,000,000	9.25E-05	1.3E-03			
285	1.184E-06	1.8265E-06	2.50E-04	4.57E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
286	1.184E-06	1.8492E-06	2.50E-04	4.63E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
287	1.184E-06	1.8102E-06	2.50E-04	4.53E-10	14.00	1.57E-02	9.97E-11	1,000,000	9.97E-05	1.4E-03			
288	1.184E-06	1.7743E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.77E-11	1,000,000	9.77E-05	1.4E-03			
289	1.184E-06	1.6647E-06	2.50E-04	4.17E-10	14.00	1.57E-02	9.17E-11	1,000,000	9.17E-05	1.3E-03			
290	1.184E-06	1.6583E-06	2.50E-04	4.15E-10	14.00	1.57E-02	9.13E-11	1,000,000	9.13E-05	1.3E-03			
291	1.184E-06	1.5228E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
292	1.184E-06	1.4026E-06	2.50E-04	3.51E-10	14.00	1.57E-02	7.72E-11	1,000,000	7.72E-05	1.1E-03			
293	1.184E-06	2.5038E-07	2.50E-04	6.27E-11	14.00	1.57E-02	1.38E-11	1,000,000	1.38E-05	2.0E-04			
294	1.184E-06	2.7431E-07	2.50E-04	6.87E-11	14.00	1.57E-02	1.51E-11	1,000,000	1.51E-05	2.2E-04			
295	1.184E-06	3.0195E-07	2.50E-04	7.56E-11	14.00	1.57E-02	1.66E-11	1,000,000	1.66E-05	2.4E-04			
296	1.184E-06	3.3268E-07	2.50E-04	8.33E-11	14.00	1.57E-02	1.83E-11	1,000,000	1.83E-05	2.6E-04			
297	1.184E-06	3.7631E-07	2.50E-04	9.42E-11	14.00	1.57E-02	2.07E-11	1,000,000	2.07E-05	3.0E-04			
298	1.184E-06	4.2588E-07	2.50E-04	1.07E-10	14.00	1.57E-02	2.34E-11	1,000,000	2.34E-05	3.4E-04			
299	1.184E-06	4.8692E-07	2.50E-04	1.22E-10	14.00	1.57E-02	2.68E-11	1,000,000	2.68E-05	3.9E-04			
300	1.184E-06	5.7015E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			
301	1.184E-06	6.4529E-07	2.50E-04	1.61E-10	14.00	1.57E-02	3.55E-11	1,000,000	3.55E-05	5.1E-04			
302	1.184E-06	7.6692E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
303	1.184E-06	9.0472E-07	2.50E-04	2.26E-10	14.00	1.57E-02	4.98E-11	1,000,000	4.98E-05	7.2E-04			
304	1.184E-06	1.0816E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
305	1.184E-06	1.2073E-06	2.50E-04	3.02E-10	14.00	1.57E-02	6.65E-11	1,000,000	6.65E-05	9.6E-04			
306	1.184E-06	1.2374E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.81E-11	1,000,000	6.81E-05	9.9E-04			
307	1.184E-06	1.2828E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
308	1.184E-06	1.2818E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.06E-11	1,000,000	7.06E-05	1.0E-03			
309	1.184E-06	1.4085E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
310	1.184E-06	1.3407E-06	2.50E-04	3.36E-10	14.00	1.57E-02	7.38E-11	1,000,000	7.38E-05	1.1E-03			
311	1.184E-06	1.2986E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
312	1.184E-06	1.3108E-06	2.50E-04	3.28E-10	14.00	1.57E-02	7.22E-11	1,000,000	7.22E-05	1.0E-03			
313	1.184E-06	1.2346E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
314	1.184E-06	1.1603E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
315	1.184E-06	2.2313E-07	2.50E-04	5.58E-11	14.00	1.57E-02	1.23E-11	1,000,000	1.23E-05	1.8E-04			
316	1.184E-06	2.4422E-07	2.50E-04	6.11E-11	14.00	1.57E-02	1.34E-11	1,000,000	1.34E-05	1.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.184E-06	2.6734E-07	2.50E-04	6.69E-11	14.00	1.57E-02	1.47E-11	1,000,000	1.47E-05	2.1E-04			
318	1.184E-06	2.9305E-07	2.50E-04	7.33E-11	14.00	1.57E-02	1.61E-11	1,000,000	1.61E-05	2.3E-04			
319	1.184E-06	3.2107E-07	2.50E-04	8.04E-11	14.00	1.57E-02	1.77E-11	1,000,000	1.77E-05	2.6E-04			
320	1.184E-06	3.7082E-07	2.50E-04	9.28E-11	14.00	1.57E-02	2.04E-11	1,000,000	2.04E-05	3.0E-04			
321	1.184E-06	4.1415E-07	2.50E-04	1.04E-10	14.00	1.57E-02	2.28E-11	1,000,000	2.28E-05	3.3E-04			
322	1.184E-06	4.7175E-07	2.50E-04	1.18E-10	14.00	1.57E-02	2.60E-11	1,000,000	2.60E-05	3.8E-04			
323	1.184E-06	5.4797E-07	2.50E-04	1.37E-10	14.00	1.57E-02	3.02E-11	1,000,000	3.02E-05	4.4E-04			
324	1.184E-06	6.2952E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.47E-11	1,000,000	3.47E-05	5.0E-04			
325	1.184E-06	7.2469E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.99E-11	1,000,000	3.99E-05	5.8E-04			
326	1.184E-06	8.3748E-07	2.50E-04	2.10E-10	14.00	1.57E-02	4.61E-11	1,000,000	4.61E-05	6.7E-04			
327	1.184E-06	1.0595E-06	2.50E-04	2.65E-10	14.00	1.57E-02	5.83E-11	1,000,000	5.83E-05	8.4E-04			
328	1.184E-06	9.3395E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.14E-11	1,000,000	5.14E-05	7.4E-04			
329	1.184E-06	9.5806E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.28E-11	1,000,000	5.28E-05	7.6E-04			
330	1.184E-06	9.8709E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.9E-04			
331	1.184E-06	1.0092E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			
332	1.184E-06	1.0229E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.63E-11	1,000,000	5.63E-05	8.1E-04			
333	1.184E-06	9.8517E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.42E-11	1,000,000	5.42E-05	7.8E-04			
334	1.184E-06	1.0085E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
335	1.184E-06	9.8267E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.41E-11	1,000,000	5.41E-05	7.8E-04			
336	1.184E-06	9.4591E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.21E-11	1,000,000	5.21E-05	7.5E-04			
337	1.184E-06	2.0268E-07	2.50E-04	5.07E-11	14.00	1.57E-02	1.12E-11	1,000,000	1.12E-05	1.6E-04			
338	1.184E-06	2.1949E-07	2.50E-04	5.49E-11	14.00	1.57E-02	1.21E-11	1,000,000	1.21E-05	1.7E-04			
339	1.184E-06	2.3632E-07	2.50E-04	5.91E-11	14.00	1.57E-02	1.30E-11	1,000,000	1.30E-05	1.9E-04			
340	1.184E-06	2.6103E-07	2.50E-04	6.53E-11	14.00	1.57E-02	1.44E-11	1,000,000	1.44E-05	2.1E-04			
341	1.184E-06	2.8428E-07	2.50E-04	7.11E-11	14.00	1.57E-02	1.57E-11	1,000,000	1.57E-05	2.3E-04			
342	1.184E-06	3.2375E-07	2.50E-04	8.10E-11	14.00	1.57E-02	1.78E-11	1,000,000	1.78E-05	2.6E-04			
343	1.184E-06	3.5616E-07	2.50E-04	8.91E-11	14.00	1.57E-02	1.96E-11	1,000,000	1.96E-05	2.8E-04			
344	1.184E-06	4.0273E-07	2.50E-04	1.01E-10	14.00	1.57E-02	2.22E-11	1,000,000	2.22E-05	3.2E-04			
345	1.184E-06	4.5743E-07	2.50E-04	1.14E-10	14.00	1.57E-02	2.52E-11	1,000,000	2.52E-05	3.6E-04			
346	1.184E-06	5.2757E-07	2.50E-04	1.32E-10	14.00	1.57E-02	2.90E-11	1,000,000	2.90E-05	4.2E-04			
347	1.184E-06	5.8899E-07	2.50E-04	1.47E-10	14.00	1.57E-02	3.24E-11	1,000,000	3.24E-05	4.7E-04			
348	1.184E-06	6.5892E-07	2.50E-04	1.65E-10	14.00	1.57E-02	3.63E-11	1,000,000	3.63E-05	5.2E-04			
349	1.184E-06	6.6565E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.67E-11	1,000,000	3.67E-05	5.3E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.184E-06	7.0503E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
351	1.184E-06	7.3865E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.07E-11	1,000,000	4.07E-05	5.9E-04			
352	1.184E-06	7.3705E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.06E-11	1,000,000	4.06E-05	5.9E-04			
353	1.184E-06	7.8075E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.30E-11	1,000,000	4.30E-05	6.2E-04			
354	1.184E-06	7.7582E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.27E-11	1,000,000	4.27E-05	6.2E-04			
355	1.184E-06	7.8604E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.33E-11	1,000,000	4.33E-05	6.3E-04			
356	1.184E-06	7.933E-07	2.50E-04	1.99E-10	14.00	1.57E-02	4.37E-11	1,000,000	4.37E-05	6.3E-04			
357	1.184E-06	7.7804E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.28E-11	1,000,000	4.28E-05	6.2E-04			
358	1.184E-06	7.5646E-07	2.50E-04	1.89E-10	14.00	1.57E-02	4.17E-11	1,000,000	4.17E-05	6.0E-04			
359	1.184E-06	1.809E-07	2.50E-04	4.53E-11	14.00	1.57E-02	9.96E-12	1,000,000	9.96E-06	1.4E-04			
360	1.184E-06	1.9633E-07	2.50E-04	4.91E-11	14.00	1.57E-02	1.08E-11	1,000,000	1.08E-05	1.6E-04			
361	1.184E-06	2.1201E-07	2.50E-04	5.31E-11	14.00	1.57E-02	1.17E-11	1,000,000	1.17E-05	1.7E-04			
362	1.184E-06	2.2989E-07	2.50E-04	5.75E-11	14.00	1.57E-02	1.27E-11	1,000,000	1.27E-05	1.8E-04			
363	1.184E-06	2.4843E-07	2.50E-04	6.22E-11	14.00	1.57E-02	1.37E-11	1,000,000	1.37E-05	2.0E-04			
364	1.184E-06	2.77E-07	2.50E-04	6.93E-11	14.00	1.57E-02	1.53E-11	1,000,000	1.53E-05	2.2E-04			
365	1.184E-06	3.0893E-07	2.50E-04	7.73E-11	14.00	1.57E-02	1.70E-11	1,000,000	1.70E-05	2.5E-04			
366	1.184E-06	3.4726E-07	2.50E-04	8.69E-11	14.00	1.57E-02	1.91E-11	1,000,000	1.91E-05	2.8E-04			
367	1.184E-06	3.9622E-07	2.50E-04	9.92E-11	14.00	1.57E-02	2.18E-11	1,000,000	2.18E-05	3.2E-04			
368	1.184E-06	4.4108E-07	2.50E-04	1.10E-10	14.00	1.57E-02	2.43E-11	1,000,000	2.43E-05	3.5E-04			
369	1.184E-06	4.7972E-07	2.50E-04	1.20E-10	14.00	1.57E-02	2.64E-11	1,000,000	2.64E-05	3.8E-04			
370	1.184E-06	5.0914E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.80E-11	1,000,000	2.80E-05	4.1E-04			
371	1.184E-06	5.4683E-07	2.50E-04	1.37E-10	14.00	1.57E-02	3.01E-11	1,000,000	3.01E-05	4.4E-04			
372	1.184E-06	5.7372E-07	2.50E-04	1.44E-10	14.00	1.57E-02	3.16E-11	1,000,000	3.16E-05	4.6E-04			
373	1.184E-06	5.8208E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.20E-11	1,000,000	3.20E-05	4.6E-04			
374	1.184E-06	5.8307E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.21E-11	1,000,000	3.21E-05	4.6E-04			
375	1.184E-06	6.0996E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.36E-11	1,000,000	3.36E-05	4.9E-04			
376	1.184E-06	6.1131E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.37E-11	1,000,000	3.37E-05	4.9E-04			
377	1.184E-06	6.2037E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.42E-11	1,000,000	3.42E-05	4.9E-04			
378	1.184E-06	6.5457E-07	2.50E-04	1.64E-10	14.00	1.57E-02	3.60E-11	1,000,000	3.60E-05	5.2E-04			
379	1.184E-06	6.5636E-07	2.50E-04	1.64E-10	14.00	1.57E-02	3.61E-11	1,000,000	3.61E-05	5.2E-04			
380	1.184E-06	6.277E-07	2.50E-04	1.57E-10	14.00	1.57E-02	3.46E-11	1,000,000	3.46E-05	5.0E-04			
381	1.184E-06	8.0411E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.43E-11	1,000,000	4.43E-05	6.4E-04			
382	1.184E-06	9.3465E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.15E-11	1,000,000	5.15E-05	7.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.184E-06	1.0966E-06	2.50E-04	2.74E-10	14.00	1.57E-02	6.04E-11	1,000,000	6.04E-05	8.7E-04			
384	1.184E-06	1.3015E-06	2.50E-04	3.26E-10	14.00	1.57E-02	7.17E-11	1,000,000	7.17E-05	1.0E-03			
385	1.184E-06	1.5578E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.58E-11	1,000,000	8.58E-05	1.2E-03			
386	1.184E-06	1.9195E-06	2.50E-04	4.80E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
387	1.184E-06	2.4196E-06	2.50E-04	6.06E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
388	1.184E-06	3.0766E-06	2.50E-04	7.70E-10	14.00	1.57E-02	1.69E-10	1,000,000	1.69E-04	2.5E-03			
389	1.184E-06	4.0183E-06	2.50E-04	1.01E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
390	1.184E-06	5.5101E-06	2.50E-04	1.38E-09	14.00	1.57E-02	3.03E-10	1,000,000	3.03E-04	4.4E-03			
391	1.184E-06	8.1657E-06	2.50E-04	2.04E-09	14.00	1.57E-02	4.50E-10	1,000,000	4.50E-04	6.5E-03			
392	1.184E-06	1.4156E-05	2.50E-04	3.54E-09	14.00	1.57E-02	7.79E-10	1,000,000	7.79E-04	1.1E-02			
393	1.184E-06	4.2023E-05	2.50E-04	1.05E-08	14.00	1.57E-02	2.31E-09	1,000,000	2.31E-03	3.3E-02			
394	1.184E-06	2.7544E-05	2.50E-04	6.89E-09	14.00	1.57E-02	1.52E-09	1,000,000	1.52E-03	2.2E-02			
395	1.184E-06	1.2323E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
396	1.184E-06	7.592E-06	2.50E-04	1.90E-09	14.00	1.57E-02	4.18E-10	1,000,000	4.18E-04	6.0E-03			
397	1.184E-06	5.2715E-06	2.50E-04	1.32E-09	14.00	1.57E-02	2.90E-10	1,000,000	2.90E-04	4.2E-03			
398	1.184E-06	3.9055E-06	2.50E-04	9.77E-10	14.00	1.57E-02	2.15E-10	1,000,000	2.15E-04	3.1E-03			
399	1.184E-06	7.9056E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.35E-11	1,000,000	4.35E-05	6.3E-04			
400	1.184E-06	9.1052E-07	2.50E-04	2.28E-10	14.00	1.57E-02	5.01E-11	1,000,000	5.01E-05	7.3E-04			
401	1.184E-06	1.0565E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.82E-11	1,000,000	5.82E-05	8.4E-04			
402	1.184E-06	1.2807E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
403	1.184E-06	1.5954E-06	2.50E-04	3.99E-10	14.00	1.57E-02	8.78E-11	1,000,000	8.78E-05	1.3E-03			
404	1.184E-06	2.0281E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
405	1.184E-06	2.5901E-06	2.50E-04	6.48E-10	14.00	1.57E-02	1.43E-10	1,000,000	1.43E-04	2.1E-03			
406	1.184E-06	3.3657E-06	2.50E-04	8.42E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
407	1.184E-06	4.5363E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
408	1.184E-06	6.4812E-06	2.50E-04	1.62E-09	14.00	1.57E-02	3.57E-10	1,000,000	3.57E-04	5.2E-03			
409	1.184E-06	1.0259E-05	2.50E-04	2.57E-09	14.00	1.57E-02	5.65E-10	1,000,000	5.65E-04	8.2E-03			
410	1.184E-06	2.0146E-05	2.50E-04	5.04E-09	14.00	1.57E-02	1.11E-09	1,000,000	1.11E-03	1.6E-02			
411	1.184E-06	8.5497E-05	2.50E-04	2.14E-08	14.00	1.57E-02	4.71E-09	1,000,000	4.71E-03	6.8E-02			
412	1.184E-06	5.2813E-05	2.50E-04	1.32E-08	14.00	1.57E-02	2.91E-09	1,000,000	2.91E-03	4.2E-02			
413	1.184E-06	1.8103E-05	2.50E-04	4.53E-09	14.00	1.57E-02	9.97E-10	1,000,000	9.97E-04	1.4E-02			
414	1.184E-06	9.9197E-06	2.50E-04	2.48E-09	14.00	1.57E-02	5.46E-10	1,000,000	5.46E-04	7.9E-03			
415	1.184E-06	6.4331E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.54E-10	1,000,000	3.54E-04	5.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.184E-06	4.5478E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
417	1.184E-06	7.4236E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.09E-11	1,000,000	4.09E-05	5.9E-04			
418	1.184E-06	8.6521E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.76E-11	1,000,000	4.76E-05	6.9E-04			
419	1.184E-06	1.0245E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
420	1.184E-06	1.2749E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.02E-11	1,000,000	7.02E-05	1.0E-03			
421	1.184E-06	1.5975E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.80E-11	1,000,000	8.80E-05	1.3E-03			
422	1.184E-06	2.0022E-06	2.50E-04	5.01E-10	14.00	1.57E-02	1.10E-10	1,000,000	1.10E-04	1.6E-03			
423	1.184E-06	2.5828E-06	2.50E-04	6.46E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
424	1.184E-06	3.4487E-06	2.50E-04	8.63E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
425	1.184E-06	4.8373E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.66E-10	1,000,000	2.66E-04	3.9E-03			
426	1.184E-06	7.0996E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
427	1.184E-06	1.161E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.39E-10	1,000,000	6.39E-04	9.2E-03			
428	1.184E-06	2.2983E-05	2.50E-04	5.75E-09	14.00	1.57E-02	1.27E-09	1,000,000	1.27E-03	1.8E-02			
429	1.184E-06	8.6753E-05	2.50E-04	2.17E-08	14.00	1.57E-02	4.78E-09	1,000,000	4.78E-03	6.9E-02			
430	1.184E-06	6.0706E-05	2.50E-04	1.52E-08	14.00	1.57E-02	3.34E-09	1,000,000	3.34E-03	4.8E-02			
431	1.184E-06	2.1573E-05	2.50E-04	5.40E-09	14.00	1.57E-02	1.19E-09	1,000,000	1.19E-03	1.7E-02			
432	1.184E-06	1.164E-05	2.50E-04	2.91E-09	14.00	1.57E-02	6.41E-10	1,000,000	6.41E-04	9.3E-03			
433	1.184E-06	7.3889E-06	2.50E-04	1.85E-09	14.00	1.57E-02	4.07E-10	1,000,000	4.07E-04	5.9E-03			
434	1.184E-06	5.1186E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.82E-10	1,000,000	2.82E-04	4.1E-03			
435	1.184E-06	6.7655E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.73E-11	1,000,000	3.73E-05	5.4E-04			
436	1.184E-06	7.9781E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.39E-11	1,000,000	4.39E-05	6.4E-04			
437	1.184E-06	9.8453E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.42E-11	1,000,000	5.42E-05	7.8E-04			
438	1.184E-06	1.2531E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.90E-11	1,000,000	6.90E-05	1.0E-03			
439	1.184E-06	1.5322E-06	2.50E-04	3.83E-10	14.00	1.57E-02	8.44E-11	1,000,000	8.44E-05	1.2E-03			
440	1.184E-06	1.9325E-06	2.50E-04	4.84E-10	14.00	1.57E-02	1.06E-10	1,000,000	1.06E-04	1.5E-03			
441	1.184E-06	2.5252E-06	2.50E-04	6.32E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
442	1.184E-06	3.3898E-06	2.50E-04	8.48E-10	14.00	1.57E-02	1.87E-10	1,000,000	1.87E-04	2.7E-03			
443	1.184E-06	4.7741E-06	2.50E-04	1.19E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
444	1.184E-06	7.1961E-06	2.50E-04	1.80E-09	14.00	1.57E-02	3.96E-10	1,000,000	3.96E-04	5.7E-03			
445	1.184E-06	1.1946E-05	2.50E-04	2.99E-09	14.00	1.57E-02	6.58E-10	1,000,000	6.58E-04	9.5E-03			
446	1.184E-06	2.3577E-05	2.50E-04	5.90E-09	14.00	1.57E-02	1.30E-09	1,000,000	1.30E-03	1.9E-02			
447	1.184E-06	8.5056E-05	2.50E-04	2.13E-08	14.00	1.57E-02	4.68E-09	1,000,000	4.68E-03	6.8E-02			
448	1.184E-06	6.3455E-05	2.50E-04	1.59E-08	14.00	1.57E-02	3.49E-09	1,000,000	3.49E-03	5.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.184E-06	2.2884E-05	2.50E-04	5.73E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
450	1.184E-06	1.2437E-05	2.50E-04	3.11E-09	14.00	1.57E-02	6.85E-10	1,000,000	6.85E-04	9.9E-03			
451	1.184E-06	7.8457E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.32E-10	1,000,000	4.32E-04	6.2E-03			
452	1.184E-06	5.4331E-06	2.50E-04	1.36E-09	14.00	1.57E-02	2.99E-10	1,000,000	2.99E-04	4.3E-03			
453	1.184E-06	6.2083E-07	2.50E-04	1.55E-10	14.00	1.57E-02	3.42E-11	1,000,000	3.42E-05	4.9E-04			
454	1.184E-06	7.3031E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.02E-11	1,000,000	4.02E-05	5.8E-04			
455	1.184E-06	9.0092E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.96E-11	1,000,000	4.96E-05	7.2E-04			
456	1.184E-06	1.1159E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.14E-11	1,000,000	6.14E-05	8.9E-04			
457	1.184E-06	1.4108E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.77E-11	1,000,000	7.77E-05	1.1E-03			
458	1.184E-06	1.7677E-06	2.50E-04	4.42E-10	14.00	1.57E-02	9.73E-11	1,000,000	9.73E-05	1.4E-03			
459	1.184E-06	2.3507E-06	2.50E-04	5.88E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
460	1.184E-06	3.1812E-06	2.50E-04	7.96E-10	14.00	1.57E-02	1.75E-10	1,000,000	1.75E-04	2.5E-03			
461	1.184E-06	4.5402E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.50E-10	1,000,000	2.50E-04	3.6E-03			
462	1.184E-06	6.7981E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
463	1.184E-06	1.1248E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.19E-10	1,000,000	6.19E-04	9.0E-03			
464	1.184E-06	2.2512E-05	2.50E-04	5.63E-09	14.00	1.57E-02	1.24E-09	1,000,000	1.24E-03	1.8E-02			
465	1.184E-06	8.2285E-05	2.50E-04	2.06E-08	14.00	1.57E-02	4.53E-09	1,000,000	4.53E-03	6.6E-02			
466	1.184E-06	6.3824E-05	2.50E-04	1.60E-08	14.00	1.57E-02	3.51E-09	1,000,000	3.51E-03	5.1E-02			
467	1.184E-06	2.2634E-05	2.50E-04	5.66E-09	14.00	1.57E-02	1.25E-09	1,000,000	1.25E-03	1.8E-02			
468	1.184E-06	1.2306E-05	2.50E-04	3.08E-09	14.00	1.57E-02	6.78E-10	1,000,000	6.78E-04	9.8E-03			
469	1.184E-06	7.8422E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.32E-10	1,000,000	4.32E-04	6.2E-03			
470	1.184E-06	5.4651E-06	2.50E-04	1.37E-09	14.00	1.57E-02	3.01E-10	1,000,000	3.01E-04	4.4E-03			
471	1.184E-06	5.6014E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.08E-11	1,000,000	3.08E-05	4.5E-04			
472	1.184E-06	6.7223E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.70E-11	1,000,000	3.70E-05	5.4E-04			
473	1.184E-06	8.1195E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.47E-11	1,000,000	4.47E-05	6.5E-04			
474	1.184E-06	9.7726E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.38E-11	1,000,000	5.38E-05	7.8E-04			
475	1.184E-06	1.1884E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.54E-11	1,000,000	6.54E-05	9.5E-04			
476	1.184E-06	6.1677E-05	2.50E-04	1.54E-08	14.00	1.57E-02	3.40E-09	1,000,000	3.40E-03	4.9E-02			
477	1.184E-06	2.06E-05	2.50E-04	5.16E-09	14.00	1.57E-02	1.13E-09	1,000,000	1.13E-03	1.6E-02			
478	1.184E-06	1.126E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.20E-10	1,000,000	6.20E-04	9.0E-03			
479	1.184E-06	7.338E-06	2.50E-04	1.84E-09	14.00	1.57E-02	4.04E-10	1,000,000	4.04E-04	5.8E-03			
480	1.184E-06	5.212E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
481	1.184E-06	5.1281E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.82E-11	1,000,000	2.82E-05	4.1E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.184E-06	6.1241E-07	2.50E-04	1.53E-10	14.00	1.57E-02	3.37E-11	1,000,000	3.37E-05	4.9E-04			
483	1.184E-06	7.1345E-07	2.50E-04	1.79E-10	14.00	1.57E-02	3.93E-11	1,000,000	3.93E-05	5.7E-04			
484	1.184E-06	8.5231E-07	2.50E-04	2.13E-10	14.00	1.57E-02	4.69E-11	1,000,000	4.69E-05	6.8E-04			
485	1.184E-06	1.0827E-06	2.50E-04	2.71E-10	14.00	1.57E-02	5.96E-11	1,000,000	5.96E-05	8.6E-04			
486	1.184E-06	4.1271E-05	2.50E-04	1.03E-08	14.00	1.57E-02	2.27E-09	1,000,000	2.27E-03	3.3E-02			
487	1.184E-06	1.5754E-05	2.50E-04	3.94E-09	14.00	1.57E-02	8.67E-10	1,000,000	8.67E-04	1.3E-02			
488	1.184E-06	9.3532E-06	2.50E-04	2.34E-09	14.00	1.57E-02	5.15E-10	1,000,000	5.15E-04	7.4E-03			
489	1.184E-06	6.3614E-06	2.50E-04	1.59E-09	14.00	1.57E-02	3.50E-10	1,000,000	3.50E-04	5.1E-03			
490	1.184E-06	4.6965E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
491	1.184E-06	4.6356E-07	2.50E-04	1.16E-10	14.00	1.57E-02	2.55E-11	1,000,000	2.55E-05	3.7E-04			
492	1.184E-06	5.4135E-07	2.50E-04	1.35E-10	14.00	1.57E-02	2.98E-11	1,000,000	2.98E-05	4.3E-04			
493	1.184E-06	6.2516E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.44E-11	1,000,000	3.44E-05	5.0E-04			
494	1.184E-06	7.4614E-07	2.50E-04	1.87E-10	14.00	1.57E-02	4.11E-11	1,000,000	4.11E-05	5.9E-04			
495	1.184E-06	9.1997E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
496	1.184E-06	2.0308E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
497	1.184E-06	2.54E-06	2.50E-04	6.36E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
498	1.184E-06	1.3384E-05	2.50E-04	3.35E-09	14.00	1.57E-02	7.37E-10	1,000,000	7.37E-04	1.1E-02			
499	1.184E-06	1.2938E-05	2.50E-04	3.24E-09	14.00	1.57E-02	7.12E-10	1,000,000	7.12E-04	1.0E-02			
500	1.184E-06	9.4475E-06	2.50E-04	2.36E-09	14.00	1.57E-02	5.20E-10	1,000,000	5.20E-04	7.5E-03			
501	1.184E-06	6.7439E-06	2.50E-04	1.69E-09	14.00	1.57E-02	3.71E-10	1,000,000	3.71E-04	5.4E-03			
502	1.184E-06	5.1041E-06	2.50E-04	1.28E-09	14.00	1.57E-02	2.81E-10	1,000,000	2.81E-04	4.1E-03			
503	1.184E-06	3.9875E-06	2.50E-04	9.98E-10	14.00	1.57E-02	2.20E-10	1,000,000	2.20E-04	3.2E-03			
504	1.184E-06	4.1961E-07	2.50E-04	1.05E-10	14.00	1.57E-02	2.31E-11	1,000,000	2.31E-05	3.3E-04			
505	1.184E-06	4.7336E-07	2.50E-04	1.18E-10	14.00	1.57E-02	2.61E-11	1,000,000	2.61E-05	3.8E-04			
506	1.184E-06	5.611E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
507	1.184E-06	6.457E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.56E-11	1,000,000	3.56E-05	5.1E-04			
508	1.184E-06	7.9588E-07	2.50E-04	1.99E-10	14.00	1.57E-02	4.38E-11	1,000,000	4.38E-05	6.3E-04			
509	1.184E-06	9.6398E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.31E-11	1,000,000	5.31E-05	7.7E-04			
510	1.184E-06	1.1927E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.57E-11	1,000,000	6.57E-05	9.5E-04			
511	1.184E-06	1.5275E-06	2.50E-04	3.82E-10	14.00	1.57E-02	8.41E-11	1,000,000	8.41E-05	1.2E-03			
512	1.184E-06	2.0427E-06	2.50E-04	5.11E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
513	1.184E-06	2.7001E-06	2.50E-04	6.76E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
514	1.184E-06	3.7093E-06	2.50E-04	9.28E-10	14.00	1.57E-02	2.04E-10	1,000,000	2.04E-04	3.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.184E-06	4.9138E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
516	1.184E-06	5.9692E-06	2.50E-04	1.49E-09	14.00	1.57E-02	3.29E-10	1,000,000	3.29E-04	4.8E-03			
517	1.184E-06	6.2057E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.42E-10	1,000,000	3.42E-04	4.9E-03			
518	1.184E-06	5.4459E-06	2.50E-04	1.36E-09	14.00	1.57E-02	3.00E-10	1,000,000	3.00E-04	4.3E-03			
519	1.184E-06	4.5778E-06	2.50E-04	1.15E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
520	1.184E-06	3.8393E-06	2.50E-04	9.61E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
521	1.184E-06	3.2124E-06	2.50E-04	8.04E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
522	1.184E-06	3.7627E-07	2.50E-04	9.42E-11	14.00	1.57E-02	2.07E-11	1,000,000	2.07E-05	3.0E-04			
523	1.184E-06	4.303E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04			
524	1.184E-06	4.9464E-07	2.50E-04	1.24E-10	14.00	1.57E-02	2.72E-11	1,000,000	2.72E-05	3.9E-04			
525	1.184E-06	5.6983E-07	2.50E-04	1.43E-10	14.00	1.57E-02	3.14E-11	1,000,000	3.14E-05	4.5E-04			
526	1.184E-06	6.494E-07	2.50E-04	1.63E-10	14.00	1.57E-02	3.58E-11	1,000,000	3.58E-05	5.2E-04			
527	1.184E-06	8.1134E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.47E-11	1,000,000	4.47E-05	6.5E-04			
528	1.184E-06	9.8362E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.42E-11	1,000,000	5.42E-05	7.8E-04			
529	1.184E-06	1.2175E-06	2.50E-04	3.05E-10	14.00	1.57E-02	6.70E-11	1,000,000	6.70E-05	9.7E-04			
530	1.184E-06	1.5566E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.57E-11	1,000,000	8.57E-05	1.2E-03			
531	1.184E-06	1.9827E-06	2.50E-04	4.96E-10	14.00	1.57E-02	1.09E-10	1,000,000	1.09E-04	1.6E-03			
532	1.184E-06	2.5307E-06	2.50E-04	6.33E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
533	1.184E-06	3.2403E-06	2.50E-04	8.11E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
534	1.184E-06	3.3834E-06	2.50E-04	8.47E-10	14.00	1.57E-02	1.86E-10	1,000,000	1.86E-04	2.7E-03			
535	1.184E-06	3.5974E-06	2.50E-04	9.00E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
536	1.184E-06	3.4286E-06	2.50E-04	8.58E-10	14.00	1.57E-02	1.89E-10	1,000,000	1.89E-04	2.7E-03			
537	1.184E-06	3.2224E-06	2.50E-04	8.06E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
538	1.184E-06	2.8232E-06	2.50E-04	7.07E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
539	1.184E-06	2.5305E-06	2.50E-04	6.33E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
540	1.184E-06	3.3794E-07	2.50E-04	8.46E-11	14.00	1.57E-02	1.86E-11	1,000,000	1.86E-05	2.7E-04			
541	1.184E-06	3.8244E-07	2.50E-04	9.57E-11	14.00	1.57E-02	2.11E-11	1,000,000	2.11E-05	3.0E-04			
542	1.184E-06	4.3412E-07	2.50E-04	1.09E-10	14.00	1.57E-02	2.39E-11	1,000,000	2.39E-05	3.5E-04			
543	1.184E-06	4.9625E-07	2.50E-04	1.24E-10	14.00	1.57E-02	2.73E-11	1,000,000	2.73E-05	4.0E-04			
544	1.184E-06	5.8358E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.21E-11	1,000,000	3.21E-05	4.6E-04			
545	1.184E-06	6.7438E-07	2.50E-04	1.69E-10	14.00	1.57E-02	3.71E-11	1,000,000	3.71E-05	5.4E-04			
546	1.184E-06	8.0774E-07	2.50E-04	2.02E-10	14.00	1.57E-02	4.45E-11	1,000,000	4.45E-05	6.4E-04			
547	1.184E-06	9.6415E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.31E-11	1,000,000	5.31E-05	7.7E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.184E-06	1.1979E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.60E-11	1,000,000	6.60E-05	9.5E-04			
549	1.184E-06	1.4671E-06	2.50E-04	3.67E-10	14.00	1.57E-02	8.08E-11	1,000,000	8.08E-05	1.2E-03			
550	1.184E-06	1.8326E-06	2.50E-04	4.59E-10	14.00	1.57E-02	1.01E-10	1,000,000	1.01E-04	1.5E-03			
551	1.184E-06	2.5071E-06	2.50E-04	6.27E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
552	1.184E-06	2.2457E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
553	1.184E-06	2.2456E-06	2.50E-04	5.62E-10	14.00	1.57E-02	1.24E-10	1,000,000	1.24E-04	1.8E-03			
554	1.184E-06	2.1739E-06	2.50E-04	5.44E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
555	1.184E-06	2.4346E-06	2.50E-04	6.09E-10	14.00	1.57E-02	1.34E-10	1,000,000	1.34E-04	1.9E-03			
556	1.184E-06	2.1856E-06	2.50E-04	5.47E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
557	1.184E-06	1.9551E-06	2.50E-04	4.89E-10	14.00	1.57E-02	1.08E-10	1,000,000	1.08E-04	1.6E-03			
558	1.184E-06	3.0433E-07	2.50E-04	7.62E-11	14.00	1.57E-02	1.68E-11	1,000,000	1.68E-05	2.4E-04			
559	1.184E-06	3.4192E-07	2.50E-04	8.56E-11	14.00	1.57E-02	1.88E-11	1,000,000	1.88E-05	2.7E-04			
560	1.184E-06	3.7814E-07	2.50E-04	9.46E-11	14.00	1.57E-02	2.08E-11	1,000,000	2.08E-05	3.0E-04			
561	1.184E-06	4.3024E-07	2.50E-04	1.08E-10	14.00	1.57E-02	2.37E-11	1,000,000	2.37E-05	3.4E-04			
562	1.184E-06	4.8429E-07	2.50E-04	1.21E-10	14.00	1.57E-02	2.67E-11	1,000,000	2.67E-05	3.9E-04			
563	1.184E-06	5.5757E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.07E-11	1,000,000	3.07E-05	4.4E-04			
564	1.184E-06	6.6552E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.66E-11	1,000,000	3.66E-05	5.3E-04			
565	1.184E-06	7.7417E-07	2.50E-04	1.94E-10	14.00	1.57E-02	4.26E-11	1,000,000	4.26E-05	6.2E-04			
566	1.184E-06	9.3986E-07	2.50E-04	2.35E-10	14.00	1.57E-02	5.17E-11	1,000,000	5.17E-05	7.5E-04			
567	1.184E-06	1.1165E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.15E-11	1,000,000	6.15E-05	8.9E-04			
568	1.184E-06	1.3487E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.43E-11	1,000,000	7.43E-05	1.1E-03			
569	1.184E-06	1.3997E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.71E-11	1,000,000	7.71E-05	1.1E-03			
570	1.184E-06	1.446E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.96E-11	1,000,000	7.96E-05	1.2E-03			
571	1.184E-06	1.5348E-06	2.50E-04	3.84E-10	14.00	1.57E-02	8.45E-11	1,000,000	8.45E-05	1.2E-03			
572	1.184E-06	1.6196E-06	2.50E-04	4.05E-10	14.00	1.57E-02	8.92E-11	1,000,000	8.92E-05	1.3E-03			
573	1.184E-06	1.5698E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.64E-11	1,000,000	8.64E-05	1.3E-03			
574	1.184E-06	1.5115E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.32E-11	1,000,000	8.32E-05	1.2E-03			
575	1.184E-06	1.5041E-06	2.50E-04	3.76E-10	14.00	1.57E-02	8.28E-11	1,000,000	8.28E-05	1.2E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.37E-07		1.858E-05	81 Res
2	5	1.54E-07			
3	5	1.73E-07			
4	5	1.98E-07			
5	5	2.24E-07			
6	5	2.56E-07			
7	5	2.96E-07			
8	5	3.45E-07			
9	5	4.05E-07			
10	5	4.81E-07			
11	5	5.74E-07			
12	5	6.87E-07			
13	5	8.12E-07			
14	5	9.19E-07			
15	5	9.54E-07			
16	5	8.91E-07			
17	5	7.75E-07			
18	5	6.53E-07			
19	5	5.45E-07			
20	5	4.59E-07			
21	5	3.89E-07			
22	5	3.32E-07			
23	5	1.38E-07			
24	5	1.56E-07			
25	5	1.78E-07			
26	5	2.04E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	2.36E-07			
28	5	2.72E-07			
29	5	3.23E-07			
30	5	3.83E-07			
31	5	4.62E-07			
32	5	5.65E-07			
33	5	7.05E-07			
34	5	8.99E-07			
35	5	1.16E-06			
36	5	1.46E-06			
37	5	1.58E-06			
38	5	1.37E-06			
39	5	1.08E-06			
40	5	8.44E-07			
41	5	6.68E-07			
42	5	5.39E-07			
43	5	4.43E-07			
44	5	3.72E-07			
45	5	1.37E-07			
46	5	1.55E-07			
47	5	1.77E-07			
48	5	2.04E-07			
49	5	2.39E-07			
50	5	2.84E-07			
51	5	3.41E-07			
52	5	4.18E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	5.19E-07			
54	5	6.56E-07			
55	5	8.57E-07			
56	5	1.17E-06			
57	5	1.73E-06			
58	5	2.86E-06			
59	5	3.95E-06			
60	5	2.44E-06			
61	5	1.57E-06			
62	5	1.10E-06			
63	5	8.19E-07			
64	5	6.34E-07			
65	5	5.07E-07			
66	5	4.16E-07			
67	5	1.32E-07			
68	5	1.51E-07			
69	5	1.72E-07			
70	5	2.01E-07			
71	5	2.38E-07			
72	5	2.86E-07			
73	5	3.49E-07			
74	5	4.41E-07			
75	5	5.66E-07			
76	5	7.41E-07			
77	5	1.01E-06			
78	5	1.47E-06			
79	5	2.45E-06			
80	5	5.85E-06			
81	5	1.86E-05			
82	5	4.62E-06			
83	5	2.26E-06			
84	5	1.42E-06			
85	5	9.86E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	7.37E-07			
87	5	5.73E-07			
88	5	4.60E-07			
89	5	1.24E-07			
90	5	1.46E-07			
91	5	1.68E-07			
92	5	1.93E-07			
93	5	2.28E-07			
94	5	2.85E-07			
95	5	3.57E-07			
96	5	4.54E-07			
97	5	5.91E-07			
98	5	7.97E-07			
99	5	1.13E-06			
100	5	1.71E-06			
101	5	3.00E-06			
102	5	7.37E-06			
103	5	1.55E-05			
104	5	6.21E-06			
105	5	2.89E-06			
106	5	1.72E-06			
107	5	1.15E-06			
108	5	8.34E-07			
109	5	6.35E-07			
110	5	5.02E-07			
111	5	1.16E-07			
112	5	1.36E-07			
113	5	1.52E-07			
114	5	1.76E-07			
115	5	2.19E-07			
116	5	2.82E-07			
117	5	3.52E-07			
118	5	4.46E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	5.90E-07			
120	5	8.09E-07			
121	5	1.16E-06			
122	5	1.83E-06			
123	5	3.24E-06			
124	5	7.71E-06			
125	5	1.60E-05			
126	5	6.83E-06			
127	5	3.22E-06			
128	5	1.91E-06			
129	5	1.27E-06			
130	5	9.06E-07			
131	5	6.82E-07			
132	5	5.35E-07			
133	5	1.06E-07			
134	5	1.22E-07			
135	5	1.40E-07			
136	5	1.70E-07			
137	5	2.18E-07			
138	5	2.65E-07			
139	5	3.35E-07			
140	5	4.16E-07			
141	5	5.72E-07			
142	5	7.77E-07			
143	5	1.14E-06			
144	5	1.80E-06			
145	5	3.21E-06			
146	5	7.63E-06			
147	5	1.62E-05			
148	5	6.98E-06			
149	5	3.30E-06			
150	5	1.96E-06			
151	5	1.31E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	9.36E-07			
153	5	7.06E-07			
154	5	5.52E-07			
155	5	9.31E-08			
156	5	1.08E-07			
157	5	1.30E-07			
158	5	1.51E-07			
159	5	1.86E-07			
160	5	2.29E-07			
161	5	2.86E-07			
162	5	3.85E-07			
163	5	5.17E-07			
164	5	7.12E-07			
165	5	1.03E-06			
166	5	1.62E-06			
167	5	2.92E-06			
168	5	7.07E-06			
169	5	1.65E-05			
170	5	6.73E-06			
171	5	3.14E-06			
172	5	1.88E-06			
173	5	1.27E-06			
174	5	9.21E-07			
175	5	7.01E-07			
176	5	5.52E-07			
177	5	8.68E-08			
178	5	1.01E-07			
179	5	1.21E-07			
180	5	1.45E-07			
181	5	1.74E-07			
182	5	2.09E-07			
183	5	2.59E-07			
184	5	1.56E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	5.71E-06			
186	5	2.69E-06			
187	5	1.68E-06			
188	5	1.17E-06			
189	5	8.64E-07			
190	5	6.68E-07			
191	5	5.33E-07			
192	5	7.97E-08			
193	5	9.12E-08			
194	5	1.07E-07			
195	5	1.27E-07			
196	5	1.53E-07			
197	5	1.81E-07			
198	5	2.25E-07			
199	5	4.94E-07			
200	5	5.87E-06			
201	5	3.29E-06			
202	5	1.99E-06			
203	5	1.35E-06			
204	5	9.98E-07			
205	5	7.69E-07			
206	5	6.11E-07			
207	5	4.99E-07			
208	5	7.32E-08			
209	5	8.32E-08			
210	5	9.34E-08			
211	5	1.10E-07			
212	5	1.28E-07			
213	5	1.54E-07			
214	5	1.92E-07			
215	5	2.36E-07			
216	5	3.19E-07			
217	5	4.10E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	1.54E-06			
219	5	1.79E-06			
220	5	1.58E-06			
221	5	1.25E-06			
222	5	9.91E-07			
223	5	7.96E-07			
224	5	6.49E-07			
225	5	5.37E-07			
226	5	4.50E-07			
227	5	6.69E-08			
228	5	7.50E-08			
229	5	8.45E-08			
230	5	9.68E-08			
231	5	1.12E-07			
232	5	1.30E-07			
233	5	1.60E-07			
234	5	1.95E-07			
235	5	2.45E-07			
236	5	3.13E-07			
237	5	4.05E-07			
238	5	5.34E-07			
239	5	7.00E-07			
240	5	8.38E-07			
241	5	9.32E-07			
242	5	8.55E-07			
243	5	7.86E-07			
244	5	7.04E-07			
245	5	6.09E-07			
246	5	5.27E-07			
247	5	4.55E-07			
248	5	3.94E-07			
249	5	6.13E-08			
250	5	6.78E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	7.55E-08			
252	5	8.61E-08			
253	5	9.81E-08			
254	5	1.16E-07			
255	5	1.35E-07			
256	5	1.66E-07			
257	5	1.97E-07			
258	5	2.38E-07			
259	5	3.02E-07			
260	5	3.85E-07			
261	5	4.78E-07			
262	5	5.34E-07			
263	5	5.54E-07			
264	5	5.46E-07			
265	5	5.60E-07			
266	5	5.28E-07			
267	5	4.66E-07			
268	5	4.20E-07			
269	5	3.79E-07			
270	5	3.38E-07			
271	5	5.53E-08			
272	5	6.06E-08			
273	5	6.75E-08			
274	5	7.56E-08			
275	5	8.56E-08			
276	5	9.91E-08			
277	5	1.15E-07			
278	5	1.33E-07			
279	5	1.58E-07			
280	5	1.89E-07			
281	5	2.32E-07			
282	5	2.85E-07			
283	5	3.34E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	3.36E-07			
285	5	3.65E-07			
286	5	3.70E-07			
287	5	3.62E-07			
288	5	3.55E-07			
289	5	3.33E-07			
290	5	3.32E-07			
291	5	3.05E-07			
292	5	2.81E-07			
293	5	5.01E-08			
294	5	5.49E-08			
295	5	6.04E-08			
296	5	6.65E-08			
297	5	7.53E-08			
298	5	8.52E-08			
299	5	9.74E-08			
300	5	1.14E-07			
301	5	1.29E-07			
302	5	1.53E-07			
303	5	1.81E-07			
304	5	2.16E-07			
305	5	2.41E-07			
306	5	2.47E-07			
307	5	2.57E-07			
308	5	2.56E-07			
309	5	2.82E-07			
310	5	2.68E-07			
311	5	2.60E-07			
312	5	2.62E-07			
313	5	2.47E-07			
314	5	2.32E-07			
315	5	4.46E-08			
316	5	4.88E-08			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	5.35E-08			
318	5	5.86E-08			
319	5	6.42E-08			
320	5	7.42E-08			
321	5	8.28E-08			
322	5	9.44E-08			
323	5	1.10E-07			
324	5	1.26E-07			
325	5	1.45E-07			
326	5	1.67E-07			
327	5	2.12E-07			
328	5	1.87E-07			
329	5	1.92E-07			
330	5	1.97E-07			
331	5	2.02E-07			
332	5	2.05E-07			
333	5	1.97E-07			
334	5	2.02E-07			
335	5	1.97E-07			
336	5	1.89E-07			
337	5	4.05E-08			
338	5	4.39E-08			
339	5	4.73E-08			
340	5	5.22E-08			
341	5	5.69E-08			
342	5	6.47E-08			
343	5	7.12E-08			
344	5	8.05E-08			
345	5	9.15E-08			
346	5	1.06E-07			
347	5	1.18E-07			
348	5	1.32E-07			
349	5	1.33E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	1.41E-07			
351	5	1.48E-07			
352	5	1.47E-07			
353	5	1.56E-07			
354	5	1.55E-07			
355	5	1.57E-07			
356	5	1.59E-07			
357	5	1.56E-07			
358	5	1.51E-07			
359	5	3.62E-08			
360	5	3.93E-08			
361	5	4.24E-08			
362	5	4.60E-08			
363	5	4.97E-08			
364	5	5.54E-08			
365	5	6.18E-08			
366	5	6.95E-08			
367	5	7.92E-08			
368	5	8.82E-08			
369	5	9.59E-08			
370	5	1.02E-07			
371	5	1.09E-07			
372	5	1.15E-07			
373	5	1.16E-07			
374	5	1.17E-07			
375	5	1.22E-07			
376	5	1.22E-07			
377	5	1.24E-07			
378	5	1.31E-07			
379	5	1.31E-07			
380	5	1.26E-07			
381	5	1.61E-07			
382	5	1.87E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	2.19E-07			
384	5	2.60E-07			
385	5	3.12E-07			
386	5	3.84E-07			
387	5	4.84E-07			
388	5	6.15E-07			
389	5	8.04E-07			
390	5	1.10E-06			
391	5	1.63E-06			
392	5	2.83E-06			
393	5	8.40E-06			
394	5	5.51E-06			
395	5	2.46E-06			
396	5	1.52E-06			
397	5	1.05E-06			
398	5	7.81E-07			
399	5	1.58E-07			
400	5	1.82E-07			
401	5	2.11E-07			
402	5	2.56E-07			
403	5	3.19E-07			
404	5	4.06E-07			
405	5	5.18E-07			
406	5	6.73E-07			
407	5	9.07E-07			
408	5	1.30E-06			
409	5	2.05E-06			
410	5	4.03E-06			
411	5	1.71E-05			
412	5	1.06E-05			
413	5	3.62E-06			
414	5	1.98E-06			
415	5	1.29E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	9.10E-07			
417	5	1.48E-07			
418	5	1.73E-07			
419	5	2.05E-07			
420	5	2.55E-07			
421	5	3.19E-07			
422	5	4.00E-07			
423	5	5.17E-07			
424	5	6.90E-07			
425	5	9.67E-07			
426	5	1.42E-06			
427	5	2.32E-06			
428	5	4.60E-06			
429	5	1.74E-05			
430	5	1.21E-05			
431	5	4.31E-06			
432	5	2.33E-06			
433	5	1.48E-06			
434	5	1.02E-06			
435	5	1.35E-07			
436	5	1.60E-07			
437	5	1.97E-07			
438	5	2.51E-07			
439	5	3.06E-07			
440	5	3.87E-07			
441	5	5.05E-07			
442	5	6.78E-07			
443	5	9.55E-07			
444	5	1.44E-06			
445	5	2.39E-06			
446	5	4.72E-06			
447	5	1.70E-05			
448	5	1.27E-05			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	4.58E-06			
450	5	2.49E-06			
451	5	1.57E-06			
452	5	1.09E-06			
453	5	1.24E-07			
454	5	1.46E-07			
455	5	1.80E-07			
456	5	2.23E-07			
457	5	2.82E-07			
458	5	3.54E-07			
459	5	4.70E-07			
460	5	6.36E-07			
461	5	9.08E-07			
462	5	1.36E-06			
463	5	2.25E-06			
464	5	4.50E-06			
465	5	1.65E-05			
466	5	1.28E-05			
467	5	4.53E-06			
468	5	2.46E-06			
469	5	1.57E-06			
470	5	1.09E-06			
471	5	1.12E-07			
472	5	1.34E-07			
473	5	1.62E-07			
474	5	1.95E-07			
475	5	2.38E-07			
476	5	1.23E-05			
477	5	4.12E-06			
478	5	2.25E-06			
479	5	1.47E-06			
480	5	1.04E-06			
481	5	1.03E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	1.22E-07			
483	5	1.43E-07			
484	5	1.70E-07			
485	5	2.17E-07			
486	5	8.25E-06			
487	5	3.15E-06			
488	5	1.87E-06			
489	5	1.27E-06			
490	5	9.39E-07			
491	5	9.27E-08			
492	5	1.08E-07			
493	5	1.25E-07			
494	5	1.49E-07			
495	5	1.84E-07			
496	5	4.06E-07			
497	5	5.08E-07			
498	5	2.68E-06			
499	5	2.59E-06			
500	5	1.89E-06			
501	5	1.35E-06			
502	5	1.02E-06			
503	5	7.98E-07			
504	5	8.39E-08			
505	5	9.47E-08			
506	5	1.12E-07			
507	5	1.29E-07			
508	5	1.59E-07			
509	5	1.93E-07			
510	5	2.39E-07			
511	5	3.05E-07			
512	5	4.09E-07			
513	5	5.40E-07			
514	5	7.42E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	9.83E-07			
516	5	1.19E-06			
517	5	1.24E-06			
518	5	1.09E-06			
519	5	9.16E-07			
520	5	7.68E-07			
521	5	6.42E-07			
522	5	7.53E-08			
523	5	8.61E-08			
524	5	9.89E-08			
525	5	1.14E-07			
526	5	1.30E-07			
527	5	1.62E-07			
528	5	1.97E-07			
529	5	2.43E-07			
530	5	3.11E-07			
531	5	3.97E-07			
532	5	5.06E-07			
533	5	6.48E-07			
534	5	6.77E-07			
535	5	7.19E-07			
536	5	6.86E-07			
537	5	6.44E-07			
538	5	5.65E-07			
539	5	5.06E-07			
540	5	6.76E-08			
541	5	7.65E-08			
542	5	8.68E-08			
543	5	9.93E-08			
544	5	1.17E-07			
545	5	1.35E-07			
546	5	1.62E-07			
547	5	1.93E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE16

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	2.40E-07			
549	5	2.93E-07			
550	5	3.67E-07			
551	5	5.01E-07			
552	5	4.49E-07			
553	5	4.49E-07			
554	5	4.35E-07			
555	5	4.87E-07			
556	5	4.37E-07			
557	5	3.91E-07			
558	5	6.09E-08			
559	5	6.84E-08			
560	5	7.56E-08			
561	5	8.60E-08			
562	5	9.69E-08			
563	5	1.12E-07			
564	5	1.33E-07			
565	5	1.55E-07			
566	5	1.88E-07			
567	5	2.23E-07			
568	5	2.70E-07			
569	5	2.80E-07			
570	5	2.89E-07			
571	5	3.07E-07			
572	5	3.24E-07			
573	5	3.14E-07			
574	5	3.02E-07			
575	5	3.01E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	0.44	**1.2631E-06**	5.5212E-07	3.46E-04	1.91E-10	0.25	1.57E-01	7.51E-12	1,000,000	7.51E-06
2	0.47	1.2631E-06	5.935E-07	3.46E-04	2.05E-10	0.25	1.57E-01	8.07E-12	1,000,000	8.07E-06
3	0.51	1.2631E-06	6.3875E-07	3.46E-04	2.21E-10	0.25	1.57E-01	8.69E-12	1,000,000	8.69E-06
4	0.54	1.2631E-06	6.8782E-07	3.46E-04	2.38E-10	0.25	1.57E-01	9.35E-12	1,000,000	9.35E-06
5	0.59	1.2631E-06	7.4112E-07	3.46E-04	2.57E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05
6	0.63	1.2631E-06	7.9848E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
7	0.68	1.2631E-06	8.5881E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
8	0.73	1.2631E-06	9.2165E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
9	0.78	1.2631E-06	9.861E-07	3.46E-04	3.41E-10	0.25	1.57E-01	1.34E-11	1,000,000	1.34E-05
10	0.83	1.2631E-06	1.0493E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
11	0.88	1.2631E-06	1.1084E-06	3.46E-04	3.84E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
12	0.92	1.2631E-06	1.1603E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
13	0.95	1.2631E-06	1.2013E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
14	0.97	1.2631E-06	1.2276E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
15	0.98	1.2631E-06	1.2368E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
16	0.97	1.2631E-06	1.2265E-06	3.46E-04	4.25E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
17	0.95	1.2631E-06	1.2005E-06	3.46E-04	4.16E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
18	0.92	1.2631E-06	1.1589E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
19	0.87	1.2631E-06	1.1045E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
20	0.83	1.2631E-06	1.0452E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
21	0.78	1.2631E-06	9.8149E-07	3.46E-04	3.40E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
22	0.72	1.2631E-06	9.1559E-07	3.46E-04	3.17E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
23	0.46	1.2631E-06	5.8415E-07	3.46E-04	2.02E-10	0.25	1.57E-01	7.94E-12	1,000,000	7.94E-06
24	0.50	1.2631E-06	6.3139E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.59E-12	1,000,000	8.59E-06
25	0.54	1.2631E-06	6.8363E-07	3.46E-04	2.37E-10	0.25	1.57E-01	9.30E-12	1,000,000	9.30E-06
26	0.59	1.2631E-06	7.413E-07	3.46E-04	2.57E-10	0.25	1.57E-01	1.01E-11	1,000,000	1.01E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	0.64	1.2631E-06	8.046E-07	3.46E-04	2.79E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
28	0.69	1.2631E-06	8.7428E-07	3.46E-04	3.03E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
29	0.75	1.2631E-06	9.488E-07	3.46E-04	3.28E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
30	0.81	1.2631E-06	1.0289E-06	3.46E-04	3.56E-10	0.25	1.57E-01	1.40E-11	1,000,000	1.40E-05
31	0.88	1.2631E-06	1.1119E-06	3.46E-04	3.85E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
32	0.95	1.2631E-06	1.1956E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
33	1.01	1.2631E-06	1.2757E-06	3.46E-04	4.42E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
34	1.07	1.2631E-06	1.3492E-06	3.46E-04	4.67E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
35	1.12	1.2631E-06	1.409E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
36	1.15	1.2631E-06	1.4491E-06	3.46E-04	5.02E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
37	1.16	1.2631E-06	1.4594E-06	3.46E-04	5.05E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
38	1.14	1.2631E-06	1.4453E-06	3.46E-04	5.00E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
39	1.12	1.2631E-06	1.4087E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
40	1.07	1.2631E-06	1.3492E-06	3.46E-04	4.67E-10	0.25	1.57E-01	1.83E-11	1,000,000	1.83E-05
41	1.01	1.2631E-06	1.2733E-06	3.46E-04	4.41E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
42	0.94	1.2631E-06	1.1892E-06	3.46E-04	4.12E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
43	0.87	1.2631E-06	1.1022E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
44	0.81	1.2631E-06	1.0228E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
45	0.49	1.2631E-06	6.1698E-07	3.46E-04	2.14E-10	0.25	1.57E-01	8.39E-12	1,000,000	8.39E-06
46	0.53	1.2631E-06	6.7064E-07	3.46E-04	2.32E-10	0.25	1.57E-01	9.12E-12	1,000,000	9.12E-06
47	0.58	1.2631E-06	7.3083E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.94E-12	1,000,000	9.94E-06
48	0.63	1.2631E-06	7.9829E-07	3.46E-04	2.76E-10	0.25	1.57E-01	1.09E-11	1,000,000	1.09E-05
49	0.69	1.2631E-06	8.7363E-07	3.46E-04	3.02E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
50	0.76	1.2631E-06	9.5756E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
51	0.83	1.2631E-06	1.0504E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
52	0.91	1.2631E-06	1.1517E-06	3.46E-04	3.99E-10	0.25	1.57E-01	1.57E-11	1,000,000	1.57E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.00	1.2631E-06	1.2608E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
54	1.09	1.2631E-06	1.3734E-06	3.46E-04	4.75E-10	0.25	1.57E-01	1.87E-11	1,000,000	1.87E-05
55	1.18	1.2631E-06	1.4858E-06	3.46E-04	5.14E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
56	1.26	1.2631E-06	1.5913E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
57	1.33	1.2631E-06	1.6796E-06	3.46E-04	5.81E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
58	1.38	1.2631E-06	1.7433E-06	3.46E-04	6.03E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
59	1.39	1.2631E-06	1.7601E-06	3.46E-04	6.09E-10	0.25	1.57E-01	2.39E-11	1,000,000	2.39E-05
60	1.38	1.2631E-06	1.738E-06	3.46E-04	6.02E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
61	1.33	1.2631E-06	1.6819E-06	3.46E-04	5.82E-10	0.25	1.57E-01	2.29E-11	1,000,000	2.29E-05
62	1.26	1.2631E-06	1.5919E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
63	1.17	1.2631E-06	1.4834E-06	3.46E-04	5.14E-10	0.25	1.57E-01	2.02E-11	1,000,000	2.02E-05
64	1.08	1.2631E-06	1.3683E-06	3.46E-04	4.74E-10	0.25	1.57E-01	1.86E-11	1,000,000	1.86E-05
65	0.99	1.2631E-06	1.2548E-06	3.46E-04	4.34E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
66	0.91	1.2631E-06	1.1468E-06	3.46E-04	3.97E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
67	0.51	1.2631E-06	6.4999E-07	3.46E-04	2.25E-10	0.25	1.57E-01	8.84E-12	1,000,000	8.84E-06
68	0.56	1.2631E-06	7.1058E-07	3.46E-04	2.46E-10	0.25	1.57E-01	9.66E-12	1,000,000	9.66E-06
69	0.62	1.2631E-06	7.7952E-07	3.46E-04	2.70E-10	0.25	1.57E-01	1.06E-11	1,000,000	1.06E-05
70	0.68	1.2631E-06	8.5789E-07	3.46E-04	2.97E-10	0.25	1.57E-01	1.17E-11	1,000,000	1.17E-05
71	0.75	1.2631E-06	9.4717E-07	3.46E-04	3.28E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
72	0.83	1.2631E-06	1.0487E-06	3.46E-04	3.63E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
73	0.92	1.2631E-06	1.1638E-06	3.46E-04	4.03E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
74	1.02	1.2631E-06	1.2926E-06	3.46E-04	4.47E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
75	1.14	1.2631E-06	1.4356E-06	3.46E-04	4.97E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
76	1.26	1.2631E-06	1.5908E-06	3.46E-04	5.51E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
77	1.39	1.2631E-06	1.7531E-06	3.46E-04	6.07E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
78	1.51	1.2631E-06	1.9134E-06	3.46E-04	6.62E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
79	1.62	1.2631E-06	2.0502E-06	3.46E-04	7.10E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
80	1.70	1.2631E-06	2.1467E-06	3.46E-04	7.43E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
81	1.73	1.2631E-06	2.1815E-06	3.46E-04	7.55E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
82	1.70	1.2631E-06	2.1515E-06	3.46E-04	7.45E-10	0.25	1.57E-01	2.93E-11	1,000,000	2.93E-05
83	1.62	1.2631E-06	2.0526E-06	3.46E-04	7.11E-10	0.25	1.57E-01	2.79E-11	1,000,000	2.79E-05
84	1.52	1.2631E-06	1.9138E-06	3.46E-04	6.62E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
85	1.38	1.2631E-06	1.7431E-06	3.46E-04	6.03E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.26	1.2631E-06	1.5868E-06	3.46E-04	5.49E-10	0.25	1.57E-01	2.16E-11	1,000,000	2.16E-05
87	1.13	1.2631E-06	1.4307E-06	3.46E-04	4.95E-10	0.25	1.57E-01	1.95E-11	1,000,000	1.95E-05
88	1.02	1.2631E-06	1.2895E-06	3.46E-04	4.46E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
89	0.54	1.2631E-06	6.8248E-07	3.46E-04	2.36E-10	0.25	1.57E-01	9.28E-12	1,000,000	9.28E-06
90	0.59	1.2631E-06	7.5036E-07	3.46E-04	2.60E-10	0.25	1.57E-01	1.02E-11	1,000,000	1.02E-05
91	0.66	1.2631E-06	8.2857E-07	3.46E-04	2.87E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
92	0.73	1.2631E-06	9.1906E-07	3.46E-04	3.18E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
93	0.81	1.2631E-06	1.0241E-06	3.46E-04	3.55E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
94	0.91	1.2631E-06	1.146E-06	3.46E-04	3.97E-10	0.25	1.57E-01	1.56E-11	1,000,000	1.56E-05
95	1.02	1.2631E-06	1.2877E-06	3.46E-04	4.46E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
96	1.15	1.2631E-06	1.452E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
97	1.30	1.2631E-06	1.6417E-06	3.46E-04	5.68E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
98	1.47	1.2631E-06	1.8565E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
99	1.66	1.2631E-06	2.0923E-06	3.46E-04	7.24E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
100	1.85	1.2631E-06	2.3387E-06	3.46E-04	8.10E-10	0.25	1.57E-01	3.18E-11	1,000,000	3.18E-05
101	2.03	1.2631E-06	2.5675E-06	3.46E-04	8.89E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
102	2.17	1.2631E-06	2.7372E-06	3.46E-04	9.48E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
103	2.22	1.2631E-06	2.8055E-06	3.46E-04	9.71E-10	0.25	1.57E-01	3.82E-11	1,000,000	3.82E-05
104	2.17	1.2631E-06	2.7423E-06	3.46E-04	9.49E-10	0.25	1.57E-01	3.73E-11	1,000,000	3.73E-05
105	2.04	1.2631E-06	2.577E-06	3.46E-04	8.92E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
106	1.86	1.2631E-06	2.3455E-06	3.46E-04	8.12E-10	0.25	1.57E-01	3.19E-11	1,000,000	3.19E-05
107	1.66	1.2631E-06	2.0936E-06	3.46E-04	7.25E-10	0.25	1.57E-01	2.85E-11	1,000,000	2.85E-05
108	1.47	1.2631E-06	1.8547E-06	3.46E-04	6.42E-10	0.25	1.57E-01	2.52E-11	1,000,000	2.52E-05
109	1.30	1.2631E-06	1.6384E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
110	1.15	1.2631E-06	1.4531E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
111	0.56	1.2631E-06	7.0394E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.57E-12	1,000,000	9.57E-06
112	0.62	1.2631E-06	7.8912E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
113	0.69	1.2631E-06	8.714E-07	3.46E-04	3.02E-10	0.25	1.57E-01	1.19E-11	1,000,000	1.19E-05
114	0.77	1.2631E-06	9.7699E-07	3.46E-04	3.38E-10	0.25	1.57E-01	1.33E-11	1,000,000	1.33E-05
115	0.87	1.2631E-06	1.1024E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
116	0.99	1.2631E-06	1.2474E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
117	1.12	1.2631E-06	1.4208E-06	3.46E-04	4.92E-10	0.25	1.57E-01	1.93E-11	1,000,000	1.93E-05
118	1.29	1.2631E-06	1.6293E-06	3.46E-04	5.64E-10	0.25	1.57E-01	2.22E-11	1,000,000	2.22E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.49	1.2631E-06	1.8793E-06	3.46E-04	6.51E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
120	1.72	1.2631E-06	2.1784E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
121	2.00	1.2631E-06	2.531E-06	3.46E-04	8.76E-10	0.25	1.57E-01	3.44E-11	1,000,000	3.44E-05
122	2.32	1.2631E-06	2.9262E-06	3.46E-04	1.01E-09	0.25	1.57E-01	3.98E-11	1,000,000	3.98E-05
123	2.64	1.2631E-06	3.334E-06	3.46E-04	1.15E-09	0.25	1.57E-01	4.53E-11	1,000,000	4.53E-05
124	2.90	1.2631E-06	3.6693E-06	3.46E-04	1.27E-09	0.25	1.57E-01	4.99E-11	1,000,000	4.99E-05
125	3.02	1.2631E-06	3.8103E-06	3.46E-04	1.32E-09	0.25	1.57E-01	5.18E-11	1,000,000	5.18E-05
126	2.91	1.2631E-06	3.6764E-06	3.46E-04	1.27E-09	0.25	1.57E-01	5.00E-11	1,000,000	5.00E-05
127	2.65	1.2631E-06	3.3496E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.56E-11	1,000,000	4.56E-05
128	2.33	1.2631E-06	2.9425E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.00E-11	1,000,000	4.00E-05
129	2.01	1.2631E-06	2.5369E-06	3.46E-04	8.78E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
130	1.73	1.2631E-06	2.186E-06	3.46E-04	7.57E-10	0.25	1.57E-01	2.97E-11	1,000,000	2.97E-05
131	1.49	1.2631E-06	1.8851E-06	3.46E-04	6.53E-10	0.25	1.57E-01	2.56E-11	1,000,000	2.56E-05
132	1.30	1.2631E-06	1.6389E-06	3.46E-04	5.67E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
133	0.56	1.2631E-06	7.0342E-07	3.46E-04	2.43E-10	0.25	1.57E-01	9.57E-12	1,000,000	9.57E-06
134	0.62	1.2631E-06	7.8556E-07	3.46E-04	2.72E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
135	0.70	1.2631E-06	8.8296E-07	3.46E-04	3.06E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
136	0.80	1.2631E-06	1.0147E-06	3.46E-04	3.51E-10	0.25	1.57E-01	1.38E-11	1,000,000	1.38E-05
137	0.93	1.2631E-06	1.1798E-06	3.46E-04	4.08E-10	0.25	1.57E-01	1.60E-11	1,000,000	1.60E-05
138	1.07	1.2631E-06	1.35E-06	3.46E-04	4.67E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
139	1.23	1.2631E-06	1.5589E-06	3.46E-04	5.40E-10	0.25	1.57E-01	2.12E-11	1,000,000	2.12E-05
140	1.44	1.2631E-06	1.8187E-06	3.46E-04	6.30E-10	0.25	1.57E-01	2.47E-11	1,000,000	2.47E-05
141	1.70	1.2631E-06	2.1439E-06	3.46E-04	7.42E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
142	2.02	1.2631E-06	2.5572E-06	3.46E-04	8.85E-10	0.25	1.57E-01	3.48E-11	1,000,000	3.48E-05
143	2.44	1.2631E-06	3.0822E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.19E-11	1,000,000	4.19E-05
144	2.96	1.2631E-06	3.7413E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.09E-11	1,000,000	5.09E-05
145	3.58	1.2631E-06	4.5279E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.16E-11	1,000,000	6.16E-05
146	4.19	1.2631E-06	5.2979E-06	3.46E-04	1.83E-09	0.25	1.57E-01	7.20E-11	1,000,000	7.20E-05
147	4.49	1.2631E-06	5.6677E-06	3.46E-04	1.96E-09	0.25	1.57E-01	7.71E-11	1,000,000	7.71E-05
148	4.21	1.2631E-06	5.3161E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.23E-11	1,000,000	7.23E-05
149	3.62	1.2631E-06	4.5678E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.21E-11	1,000,000	6.21E-05
150	2.99	1.2631E-06	3.7714E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.13E-11	1,000,000	5.13E-05
151	2.46	1.2631E-06	3.1039E-06	3.46E-04	1.07E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	2.05	1.2631E-06	2.5835E-06	3.46E-04	8.94E-10	0.25	1.57E-01	3.51E-11	1,000,000	3.51E-05
153	1.72	1.2631E-06	2.1704E-06	3.46E-04	7.51E-10	0.25	1.57E-01	2.95E-11	1,000,000	2.95E-05
154	1.46	1.2631E-06	1.8458E-06	3.46E-04	6.39E-10	0.25	1.57E-01	2.51E-11	1,000,000	2.51E-05
155	0.54	1.2631E-06	6.7819E-07	3.46E-04	2.35E-10	0.25	1.57E-01	9.22E-12	1,000,000	9.22E-06
156	0.61	1.2631E-06	7.7063E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
157	0.71	1.2631E-06	8.9523E-07	3.46E-04	3.10E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
158	0.81	1.2631E-06	1.0219E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
159	0.95	1.2631E-06	1.1951E-06	3.46E-04	4.14E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
160	1.11	1.2631E-06	1.4017E-06	3.46E-04	4.85E-10	0.25	1.57E-01	1.91E-11	1,000,000	1.91E-05
161	1.33	1.2631E-06	1.6752E-06	3.46E-04	5.80E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
162	1.59	1.2631E-06	2.0111E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05
163	1.92	1.2631E-06	2.4245E-06	3.46E-04	8.39E-10	0.25	1.57E-01	3.30E-11	1,000,000	3.30E-05
164	2.36	1.2631E-06	2.9793E-06	3.46E-04	1.03E-09	0.25	1.57E-01	4.05E-11	1,000,000	4.05E-05
165	2.97	1.2631E-06	3.7456E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.09E-11	1,000,000	5.09E-05
166	3.83	1.2631E-06	4.8412E-06	3.46E-04	1.68E-09	0.25	1.57E-01	6.58E-11	1,000,000	6.58E-05
167	5.11	1.2631E-06	6.4509E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
168	6.88	1.2631E-06	8.6843E-06	3.46E-04	3.01E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
169	8.08	1.2631E-06	1.0208E-05	3.46E-04	3.53E-09	0.25	1.57E-01	1.39E-10	1,000,000	1.39E-04
170	6.90	1.2631E-06	8.7169E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
171	5.16	1.2631E-06	6.5194E-06	3.46E-04	2.26E-09	0.25	1.57E-01	8.87E-11	1,000,000	8.87E-05
172	3.92	1.2631E-06	4.9465E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
173	3.04	1.2631E-06	3.8357E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.22E-11	1,000,000	5.22E-05
174	2.42	1.2631E-06	3.0591E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
175	1.98	1.2631E-06	2.5001E-06	3.46E-04	8.65E-10	0.25	1.57E-01	3.40E-11	1,000,000	3.40E-05
176	1.65	1.2631E-06	2.0789E-06	3.46E-04	7.20E-10	0.25	1.57E-01	2.83E-11	1,000,000	2.83E-05
177	0.53	1.2631E-06	6.6838E-07	3.46E-04	2.31E-10	0.25	1.57E-01	9.09E-12	1,000,000	9.09E-06
178	0.61	1.2631E-06	7.7048E-07	3.46E-04	2.67E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
179	0.72	1.2631E-06	9.0511E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
180	0.84	1.2631E-06	1.058E-06	3.46E-04	3.66E-10	0.25	1.57E-01	1.44E-11	1,000,000	1.44E-05
181	0.98	1.2631E-06	1.2353E-06	3.46E-04	4.28E-10	0.25	1.57E-01	1.68E-11	1,000,000	1.68E-05
182	1.15	1.2631E-06	1.4527E-06	3.46E-04	5.03E-10	0.25	1.57E-01	1.98E-11	1,000,000	1.98E-05
183	1.38	1.2631E-06	1.7399E-06	3.46E-04	6.02E-10	0.25	1.57E-01	2.37E-11	1,000,000	2.37E-05
184	28.83	1.2631E-06	3.6418E-05	3.46E-04	1.26E-08	0.25	1.57E-01	4.95E-10	1,000,000	4.95E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	13.62	1.2631E-06	1.7209E-05	3.46E-04	5.96E-09	0.25	1.57E-01	2.34E-10	1,000,000	2.34E-04
186	7.80	1.2631E-06	9.8506E-06	3.46E-04	3.41E-09	0.25	1.57E-01	1.34E-10	1,000,000	1.34E-04
187	5.18	1.2631E-06	6.5446E-06	3.46E-04	2.27E-09	0.25	1.57E-01	8.90E-11	1,000,000	8.90E-05
188	3.74	1.2631E-06	4.7282E-06	3.46E-04	1.64E-09	0.25	1.57E-01	6.43E-11	1,000,000	6.43E-05
189	2.86	1.2631E-06	3.6107E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.91E-11	1,000,000	4.91E-05
190	2.26	1.2631E-06	2.8584E-06	3.46E-04	9.89E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
191	1.84	1.2631E-06	2.3233E-06	3.46E-04	8.04E-10	0.25	1.57E-01	3.16E-11	1,000,000	3.16E-05
192	0.51	1.2631E-06	6.3829E-07	3.46E-04	2.21E-10	0.25	1.57E-01	8.68E-12	1,000,000	8.68E-06
193	0.58	1.2631E-06	7.3625E-07	3.46E-04	2.55E-10	0.25	1.57E-01	1.00E-11	1,000,000	1.00E-05
194	0.69	1.2631E-06	8.6898E-07	3.46E-04	3.01E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
195	0.81	1.2631E-06	1.0232E-06	3.46E-04	3.54E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
196	0.97	1.2631E-06	1.2256E-06	3.46E-04	4.24E-10	0.25	1.57E-01	1.67E-11	1,000,000	1.67E-05
197	1.15	1.2631E-06	1.4513E-06	3.46E-04	5.02E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
198	1.41	1.2631E-06	1.7759E-06	3.46E-04	6.15E-10	0.25	1.57E-01	2.42E-11	1,000,000	2.42E-05
199	2.96	1.2631E-06	3.7372E-06	3.46E-04	1.29E-09	0.25	1.57E-01	5.08E-11	1,000,000	5.08E-05
200	59.13	1.2631E-06	7.4695E-05	3.46E-04	2.59E-08	0.25	1.57E-01	1.02E-09	1,000,000	1.02E-03
201	25.88	1.2631E-06	3.2686E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.45E-10	1,000,000	4.45E-04
202	11.10	1.2631E-06	1.4024E-05	3.46E-04	4.85E-09	0.25	1.57E-01	1.91E-10	1,000,000	1.91E-04
203	6.65	1.2631E-06	8.4007E-06	3.46E-04	2.91E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
204	4.53	1.2631E-06	5.7187E-06	3.46E-04	1.98E-09	0.25	1.57E-01	7.78E-11	1,000,000	7.78E-05
205	3.32	1.2631E-06	4.1937E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.70E-11	1,000,000	5.70E-05
206	2.55	1.2631E-06	3.227E-06	3.46E-04	1.12E-09	0.25	1.57E-01	4.39E-11	1,000,000	4.39E-05
207	2.04	1.2631E-06	2.5737E-06	3.46E-04	8.91E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
208	0.48	1.2631E-06	6.0146E-07	3.46E-04	2.08E-10	0.25	1.57E-01	8.18E-12	1,000,000	8.18E-06
209	0.55	1.2631E-06	6.9522E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.45E-12	1,000,000	9.45E-06
210	0.62	1.2631E-06	7.8944E-07	3.46E-04	2.73E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05
211	0.75	1.2631E-06	9.5044E-07	3.46E-04	3.29E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
212	0.90	1.2631E-06	1.1329E-06	3.46E-04	3.92E-10	0.25	1.57E-01	1.54E-11	1,000,000	1.54E-05
213	1.10	1.2631E-06	1.3896E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
214	1.38	1.2631E-06	1.7482E-06	3.46E-04	6.05E-10	0.25	1.57E-01	2.38E-11	1,000,000	2.38E-05
215	1.75	1.2631E-06	2.2065E-06	3.46E-04	7.64E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
216	2.33	1.2631E-06	2.94E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.00E-11	1,000,000	4.00E-05
217	3.10	1.2631E-06	3.9152E-06	3.46E-04	1.36E-09	0.25	1.57E-01	5.32E-11	1,000,000	5.32E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	24.57	1.2631E-06	3.1042E-05	3.46E-04	1.07E-08	0.25	1.57E-01	4.22E-10	1,000,000	4.22E-04
219	66.92	1.2631E-06	8.4529E-05	3.46E-04	2.93E-08	0.25	1.57E-01	1.15E-09	1,000,000	1.15E-03
220	31.23	1.2631E-06	3.9452E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.37E-10	1,000,000	5.37E-04
221	13.59	1.2631E-06	1.7169E-05	3.46E-04	5.94E-09	0.25	1.57E-01	2.33E-10	1,000,000	2.33E-04
222	7.88	1.2631E-06	9.9578E-06	3.46E-04	3.45E-09	0.25	1.57E-01	1.35E-10	1,000,000	1.35E-04
223	5.21	1.2631E-06	6.585E-06	3.46E-04	2.28E-09	0.25	1.57E-01	8.96E-11	1,000,000	8.96E-05
224	3.73	1.2631E-06	4.7112E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.41E-11	1,000,000	6.41E-05
225	2.81	1.2631E-06	3.555E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.83E-11	1,000,000	4.83E-05
226	2.21	1.2631E-06	2.7936E-06	3.46E-04	9.67E-10	0.25	1.57E-01	3.80E-11	1,000,000	3.80E-05
227	0.44	1.2631E-06	5.5442E-07	3.46E-04	1.92E-10	0.25	1.57E-01	7.54E-12	1,000,000	7.54E-06
228	0.50	1.2631E-06	6.3377E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.62E-12	1,000,000	8.62E-06
229	0.58	1.2631E-06	7.3118E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.94E-12	1,000,000	9.94E-06
230	0.68	1.2631E-06	8.6505E-07	3.46E-04	2.99E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
231	0.83	1.2631E-06	1.047E-06	3.46E-04	3.62E-10	0.25	1.57E-01	1.42E-11	1,000,000	1.42E-05
232	1.00	1.2631E-06	1.2589E-06	3.46E-04	4.36E-10	0.25	1.57E-01	1.71E-11	1,000,000	1.71E-05
233	1.30	1.2631E-06	1.6447E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.24E-11	1,000,000	2.24E-05
234	1.68	1.2631E-06	2.1164E-06	3.46E-04	7.33E-10	0.25	1.57E-01	2.88E-11	1,000,000	2.88E-05
235	2.23	1.2631E-06	2.8176E-06	3.46E-04	9.75E-10	0.25	1.57E-01	3.83E-11	1,000,000	3.83E-05
236	3.08	1.2631E-06	3.8847E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.28E-11	1,000,000	5.28E-05
237	4.42	1.2631E-06	5.5842E-06	3.46E-04	1.93E-09	0.25	1.57E-01	7.59E-11	1,000,000	7.59E-05
238	6.83	1.2631E-06	8.6275E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.17E-10	1,000,000	1.17E-04
239	11.89	1.2631E-06	1.5016E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
240	25.74	1.2631E-06	3.2516E-05	3.46E-04	1.13E-08	0.25	1.57E-01	4.42E-10	1,000,000	4.42E-04
241	72.61	1.2631E-06	9.1721E-05	3.46E-04	3.18E-08	0.25	1.57E-01	1.25E-09	1,000,000	1.25E-03
242	32.76	1.2631E-06	4.1378E-05	3.46E-04	1.43E-08	0.25	1.57E-01	5.63E-10	1,000,000	5.63E-04
243	14.63	1.2631E-06	1.8478E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.51E-10	1,000,000	2.51E-04
244	8.53	1.2631E-06	1.0775E-05	3.46E-04	3.73E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
245	5.63	1.2631E-06	7.1069E-06	3.46E-04	2.46E-09	0.25	1.57E-01	9.66E-11	1,000,000	9.66E-05
246	4.00	1.2631E-06	5.0543E-06	3.46E-04	1.75E-09	0.25	1.57E-01	6.87E-11	1,000,000	6.87E-05
247	3.00	1.2631E-06	3.7895E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.15E-11	1,000,000	5.15E-05
248	2.34	1.2631E-06	2.9582E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05
249	0.41	1.2631E-06	5.1243E-07	3.46E-04	1.77E-10	0.25	1.57E-01	6.97E-12	1,000,000	6.97E-06
250	0.46	1.2631E-06	5.8093E-07	3.46E-04	2.01E-10	0.25	1.57E-01	7.90E-12	1,000,000	7.90E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	0.53	1.2631E-06	6.6532E-07	3.46E-04	2.30E-10	0.25	1.57E-01	9.05E-12	1,000,000	9.05E-06
252	0.63	1.2631E-06	7.9256E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.08E-11	1,000,000	1.08E-05
253	0.75	1.2631E-06	9.4736E-07	3.46E-04	3.28E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
254	0.95	1.2631E-06	1.1998E-06	3.46E-04	4.15E-10	0.25	1.57E-01	1.63E-11	1,000,000	1.63E-05
255	1.20	1.2631E-06	1.5101E-06	3.46E-04	5.23E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
256	1.61	1.2631E-06	2.0326E-06	3.46E-04	7.04E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
257	2.11	1.2631E-06	2.661E-06	3.46E-04	9.21E-10	0.25	1.57E-01	3.62E-11	1,000,000	3.62E-05
258	2.89	1.2631E-06	3.6454E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.96E-11	1,000,000	4.96E-05
259	4.26	1.2631E-06	5.3864E-06	3.46E-04	1.86E-09	0.25	1.57E-01	7.33E-11	1,000,000	7.33E-05
260	6.68	1.2631E-06	8.4381E-06	3.46E-04	2.92E-09	0.25	1.57E-01	1.15E-10	1,000,000	1.15E-04
261	11.65	1.2631E-06	1.4717E-05	3.46E-04	5.09E-09	0.25	1.57E-01	2.00E-10	1,000,000	2.00E-04
262	25.48	1.2631E-06	3.2183E-05	3.46E-04	1.11E-08	0.25	1.57E-01	4.38E-10	1,000,000	4.38E-04
263	67.30	1.2631E-06	8.5013E-05	3.46E-04	2.94E-08	0.25	1.57E-01	1.16E-09	1,000,000	1.16E-03
264	32.40	1.2631E-06	4.0928E-05	3.46E-04	1.42E-08	0.25	1.57E-01	5.57E-10	1,000,000	5.57E-04
265	14.64	1.2631E-06	1.8496E-05	3.46E-04	6.40E-09	0.25	1.57E-01	2.52E-10	1,000,000	2.52E-04
266	8.61	1.2631E-06	1.0872E-05	3.46E-04	3.76E-09	0.25	1.57E-01	1.48E-10	1,000,000	1.48E-04
267	5.72	1.2631E-06	7.2268E-06	3.46E-04	2.50E-09	0.25	1.57E-01	9.83E-11	1,000,000	9.83E-05
268	4.09	1.2631E-06	5.1642E-06	3.46E-04	1.79E-09	0.25	1.57E-01	7.02E-11	1,000,000	7.02E-05
269	3.07	1.2631E-06	3.8823E-06	3.46E-04	1.34E-09	0.25	1.57E-01	5.28E-11	1,000,000	5.28E-05
270	2.40	1.2631E-06	3.0333E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
271	0.36	1.2631E-06	4.5952E-07	3.46E-04	1.59E-10	0.25	1.57E-01	6.25E-12	1,000,000	6.25E-06
272	0.41	1.2631E-06	5.1844E-07	3.46E-04	1.79E-10	0.25	1.57E-01	7.05E-12	1,000,000	7.05E-06
273	0.48	1.2631E-06	6.0052E-07	3.46E-04	2.08E-10	0.25	1.57E-01	8.17E-12	1,000,000	8.17E-06
274	0.56	1.2631E-06	7.0568E-07	3.46E-04	2.44E-10	0.25	1.57E-01	9.60E-12	1,000,000	9.60E-06
275	0.67	1.2631E-06	8.4871E-07	3.46E-04	2.94E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
276	0.84	1.2631E-06	1.0637E-06	3.46E-04	3.68E-10	0.25	1.57E-01	1.45E-11	1,000,000	1.45E-05
277	1.07	1.2631E-06	1.3513E-06	3.46E-04	4.68E-10	0.25	1.57E-01	1.84E-11	1,000,000	1.84E-05
278	1.37	1.2631E-06	1.7359E-06	3.46E-04	6.01E-10	0.25	1.57E-01	2.36E-11	1,000,000	2.36E-05
279	1.88	1.2631E-06	2.3793E-06	3.46E-04	8.24E-10	0.25	1.57E-01	3.24E-11	1,000,000	3.24E-05
280	2.64	1.2631E-06	3.3383E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.54E-11	1,000,000	4.54E-05
281	3.92	1.2631E-06	4.9491E-06	3.46E-04	1.71E-09	0.25	1.57E-01	6.73E-11	1,000,000	6.73E-05
282	6.20	1.2631E-06	7.8278E-06	3.46E-04	2.71E-09	0.25	1.57E-01	1.06E-10	1,000,000	1.06E-04
283	10.71	1.2631E-06	1.3525E-05	3.46E-04	4.68E-09	0.25	1.57E-01	1.84E-10	1,000,000	1.84E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	23.35	1.2631E-06	2.9488E-05	3.46E-04	1.02E-08	0.25	1.57E-01	4.01E-10	1,000,000	4.01E-04
285	62.00	1.2631E-06	7.8316E-05	3.46E-04	2.71E-08	0.25	1.57E-01	1.07E-09	1,000,000	1.07E-03
286	31.24	1.2631E-06	3.9462E-05	3.46E-04	1.37E-08	0.25	1.57E-01	5.37E-10	1,000,000	5.37E-04
287	13.75	1.2631E-06	1.7366E-05	3.46E-04	6.01E-09	0.25	1.57E-01	2.36E-10	1,000,000	2.36E-04
288	8.18	1.2631E-06	1.0338E-05	3.46E-04	3.58E-09	0.25	1.57E-01	1.41E-10	1,000,000	1.41E-04
289	5.54	1.2631E-06	7.0033E-06	3.46E-04	2.42E-09	0.25	1.57E-01	9.52E-11	1,000,000	9.52E-05
290	3.99	1.2631E-06	5.0401E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.85E-11	1,000,000	6.85E-05
291	3.03	1.2631E-06	3.8277E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.21E-11	1,000,000	5.21E-05
292	2.38	1.2631E-06	3.0122E-06	3.46E-04	1.04E-09	0.25	1.57E-01	4.10E-11	1,000,000	4.10E-05
293	0.33	1.2631E-06	4.1686E-07	3.46E-04	1.44E-10	0.25	1.57E-01	5.67E-12	1,000,000	5.67E-06
294	0.37	1.2631E-06	4.7302E-07	3.46E-04	1.64E-10	0.25	1.57E-01	6.43E-12	1,000,000	6.43E-06
295	0.43	1.2631E-06	5.4306E-07	3.46E-04	1.88E-10	0.25	1.57E-01	7.39E-12	1,000,000	7.39E-06
296	0.50	1.2631E-06	6.2831E-07	3.46E-04	2.17E-10	0.25	1.57E-01	8.54E-12	1,000,000	8.54E-06
297	0.60	1.2631E-06	7.6233E-07	3.46E-04	2.64E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
298	0.74	1.2631E-06	9.3647E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
299	0.94	1.2631E-06	1.1853E-06	3.46E-04	4.10E-10	0.25	1.57E-01	1.61E-11	1,000,000	1.61E-05
300	1.25	1.2631E-06	1.575E-06	3.46E-04	5.45E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
301	1.61	1.2631E-06	2.0378E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
302	2.33	1.2631E-06	2.9384E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.00E-11	1,000,000	4.00E-05
303	3.40	1.2631E-06	4.2999E-06	3.46E-04	1.49E-09	0.25	1.57E-01	5.85E-11	1,000,000	5.85E-05
304	5.32	1.2631E-06	6.7211E-06	3.46E-04	2.33E-09	0.25	1.57E-01	9.14E-11	1,000,000	9.14E-05
305	8.92	1.2631E-06	1.1267E-05	3.46E-04	3.90E-09	0.25	1.57E-01	1.53E-10	1,000,000	1.53E-04
306	19.40	1.2631E-06	2.4503E-05	3.46E-04	8.48E-09	0.25	1.57E-01	3.33E-10	1,000,000	3.33E-04
307	53.31	1.2631E-06	6.734E-05	3.46E-04	2.33E-08	0.25	1.57E-01	9.16E-10	1,000,000	9.16E-04
308	26.98	1.2631E-06	3.4075E-05	3.46E-04	1.18E-08	0.25	1.57E-01	4.63E-10	1,000,000	4.63E-04
309	11.89	1.2631E-06	1.5021E-05	3.46E-04	5.20E-09	0.25	1.57E-01	2.04E-10	1,000,000	2.04E-04
310	7.21	1.2631E-06	9.1016E-06	3.46E-04	3.15E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
311	5.00	1.2631E-06	6.3133E-06	3.46E-04	2.19E-09	0.25	1.57E-01	8.59E-11	1,000,000	8.59E-05
312	3.72	1.2631E-06	4.6971E-06	3.46E-04	1.63E-09	0.25	1.57E-01	6.39E-11	1,000,000	6.39E-05
313	2.87	1.2631E-06	3.6292E-06	3.46E-04	1.26E-09	0.25	1.57E-01	4.94E-11	1,000,000	4.94E-05
314	2.29	1.2631E-06	2.8965E-06	3.46E-04	1.00E-09	0.25	1.57E-01	3.94E-11	1,000,000	3.94E-05
315	0.29	1.2631E-06	3.7215E-07	3.46E-04	1.29E-10	0.25	1.57E-01	5.06E-12	1,000,000	5.06E-06
316	0.34	1.2631E-06	4.2362E-07	3.46E-04	1.47E-10	0.25	1.57E-01	5.76E-12	1,000,000	5.76E-06

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	0.38	1.2631E-06	4.8516E-07	3.46E-04	1.68E-10	0.25	1.57E-01	6.60E-12	1,000,000	6.60E-06
318	0.44	1.2631E-06	5.6066E-07	3.46E-04	1.94E-10	0.25	1.57E-01	7.62E-12	1,000,000	7.62E-06
319	0.52	1.2631E-06	6.532E-07	3.46E-04	2.26E-10	0.25	1.57E-01	8.88E-12	1,000,000	8.88E-06
320	0.66	1.2631E-06	8.3049E-07	3.46E-04	2.87E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
321	0.81	1.2631E-06	1.0209E-06	3.46E-04	3.53E-10	0.25	1.57E-01	1.39E-11	1,000,000	1.39E-05
322	1.04	1.2631E-06	1.3189E-06	3.46E-04	4.57E-10	0.25	1.57E-01	1.79E-11	1,000,000	1.79E-05
323	1.42	1.2631E-06	1.7891E-06	3.46E-04	6.19E-10	0.25	1.57E-01	2.43E-11	1,000,000	2.43E-05
324	1.94	1.2631E-06	2.4518E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
325	2.80	1.2631E-06	3.5403E-06	3.46E-04	1.23E-09	0.25	1.57E-01	4.81E-11	1,000,000	4.81E-05
326	4.21	1.2631E-06	5.3216E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.24E-11	1,000,000	7.24E-05
327	6.90	1.2631E-06	8.7215E-06	3.46E-04	3.02E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
328	11.68	1.2631E-06	1.4749E-05	3.46E-04	5.11E-09	0.25	1.57E-01	2.01E-10	1,000,000	2.01E-04
329	29.38	1.2631E-06	3.7117E-05	3.46E-04	1.28E-08	0.25	1.57E-01	5.05E-10	1,000,000	5.05E-04
330	15.25	1.2631E-06	1.9259E-05	3.46E-04	6.67E-09	0.25	1.57E-01	2.62E-10	1,000,000	2.62E-04
331	8.54	1.2631E-06	1.0786E-05	3.46E-04	3.73E-09	0.25	1.57E-01	1.47E-10	1,000,000	1.47E-04
332	5.75	1.2631E-06	7.2661E-06	3.46E-04	2.52E-09	0.25	1.57E-01	9.88E-11	1,000,000	9.88E-05
333	4.20	1.2631E-06	5.3114E-06	3.46E-04	1.84E-09	0.25	1.57E-01	7.22E-11	1,000,000	7.22E-05
334	3.27	1.2631E-06	4.1307E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.62E-11	1,000,000	5.62E-05
335	2.62	1.2631E-06	3.3048E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
336	2.14	1.2631E-06	2.7064E-06	3.46E-04	9.37E-10	0.25	1.57E-01	3.68E-11	1,000,000	3.68E-05
337	0.27	1.2631E-06	3.4256E-07	3.46E-04	1.19E-10	0.25	1.57E-01	4.66E-12	1,000,000	4.66E-06
338	0.31	1.2631E-06	3.8587E-07	3.46E-04	1.34E-10	0.25	1.57E-01	5.25E-12	1,000,000	5.25E-06
339	0.34	1.2631E-06	4.3407E-07	3.46E-04	1.50E-10	0.25	1.57E-01	5.90E-12	1,000,000	5.90E-06
340	0.40	1.2631E-06	5.0768E-07	3.46E-04	1.76E-10	0.25	1.57E-01	6.90E-12	1,000,000	6.90E-06
341	0.47	1.2631E-06	5.8823E-07	3.46E-04	2.04E-10	0.25	1.57E-01	8.00E-12	1,000,000	8.00E-06
342	0.58	1.2631E-06	7.3227E-07	3.46E-04	2.53E-10	0.25	1.57E-01	9.96E-12	1,000,000	9.96E-06
343	0.70	1.2631E-06	8.8102E-07	3.46E-04	3.05E-10	0.25	1.57E-01	1.20E-11	1,000,000	1.20E-05
344	0.89	1.2631E-06	1.1228E-06	3.46E-04	3.89E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
345	1.17	1.2631E-06	1.4763E-06	3.46E-04	5.11E-10	0.25	1.57E-01	2.01E-11	1,000,000	2.01E-05
346	1.61	1.2631E-06	2.0279E-06	3.46E-04	7.02E-10	0.25	1.57E-01	2.76E-11	1,000,000	2.76E-05
347	2.16	1.2631E-06	2.7329E-06	3.46E-04	9.46E-10	0.25	1.57E-01	3.72E-11	1,000,000	3.72E-05
348	3.08	1.2631E-06	3.8944E-06	3.46E-04	1.35E-09	0.25	1.57E-01	5.30E-11	1,000,000	5.30E-05
349	3.97	1.2631E-06	5.0129E-06	3.46E-04	1.74E-09	0.25	1.57E-01	6.82E-11	1,000,000	6.82E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	5.67	1.2631E-06	7.162E-06	3.46E-04	2.48E-09	0.25	1.57E-01	9.74E-11	1,000,000	9.74E-05
351	7.23	1.2631E-06	9.1377E-06	3.46E-04	3.16E-09	0.25	1.57E-01	1.24E-10	1,000,000	1.24E-04
352	6.49	1.2631E-06	8.1941E-06	3.46E-04	2.84E-09	0.25	1.57E-01	1.11E-10	1,000,000	1.11E-04
353	5.31	1.2631E-06	6.7014E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.11E-11	1,000,000	9.11E-05
354	4.13	1.2631E-06	5.2157E-06	3.46E-04	1.81E-09	0.25	1.57E-01	7.09E-11	1,000,000	7.09E-05
355	3.32	1.2631E-06	4.1954E-06	3.46E-04	1.45E-09	0.25	1.57E-01	5.71E-11	1,000,000	5.71E-05
356	2.73	1.2631E-06	3.4447E-06	3.46E-04	1.19E-09	0.25	1.57E-01	4.68E-11	1,000,000	4.68E-05
357	2.27	1.2631E-06	2.8624E-06	3.46E-04	9.91E-10	0.25	1.57E-01	3.89E-11	1,000,000	3.89E-05
358	1.91	1.2631E-06	2.4141E-06	3.46E-04	8.36E-10	0.25	1.57E-01	3.28E-11	1,000,000	3.28E-05
359	0.25	1.2631E-06	3.0968E-07	3.46E-04	1.07E-10	0.25	1.57E-01	4.21E-12	1,000,000	4.21E-06
360	0.28	1.2631E-06	3.5003E-07	3.46E-04	1.21E-10	0.25	1.57E-01	4.76E-12	1,000,000	4.76E-06
361	0.31	1.2631E-06	3.9557E-07	3.46E-04	1.37E-10	0.25	1.57E-01	5.38E-12	1,000,000	5.38E-06
362	0.36	1.2631E-06	4.5195E-07	3.46E-04	1.56E-10	0.25	1.57E-01	6.15E-12	1,000,000	6.15E-06
363	0.41	1.2631E-06	5.181E-07	3.46E-04	1.79E-10	0.25	1.57E-01	7.05E-12	1,000,000	7.05E-06
364	0.49	1.2631E-06	6.2325E-07	3.46E-04	2.16E-10	0.25	1.57E-01	8.48E-12	1,000,000	8.48E-06
365	0.60	1.2631E-06	7.6007E-07	3.46E-04	2.63E-10	0.25	1.57E-01	1.03E-11	1,000,000	1.03E-05
366	0.75	1.2631E-06	9.5274E-07	3.46E-04	3.30E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
367	0.99	1.2631E-06	1.2489E-06	3.46E-04	4.32E-10	0.25	1.57E-01	1.70E-11	1,000,000	1.70E-05
368	1.28	1.2631E-06	1.6106E-06	3.46E-04	5.58E-10	0.25	1.57E-01	2.19E-11	1,000,000	2.19E-05
369	1.61	1.2631E-06	2.0378E-06	3.46E-04	7.05E-10	0.25	1.57E-01	2.77E-11	1,000,000	2.77E-05
370	2.01	1.2631E-06	2.5366E-06	3.46E-04	8.78E-10	0.25	1.57E-01	3.45E-11	1,000,000	3.45E-05
371	2.59	1.2631E-06	3.2668E-06	3.46E-04	1.13E-09	0.25	1.57E-01	4.44E-11	1,000,000	4.44E-05
372	3.18	1.2631E-06	4.0137E-06	3.46E-04	1.39E-09	0.25	1.57E-01	5.46E-11	1,000,000	5.46E-05
373	3.47	1.2631E-06	4.3889E-06	3.46E-04	1.52E-09	0.25	1.57E-01	5.97E-11	1,000,000	5.97E-05
374	3.37	1.2631E-06	4.2546E-06	3.46E-04	1.47E-09	0.25	1.57E-01	5.79E-11	1,000,000	5.79E-05
375	3.25	1.2631E-06	4.1039E-06	3.46E-04	1.42E-09	0.25	1.57E-01	5.58E-11	1,000,000	5.58E-05
376	2.85	1.2631E-06	3.597E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.89E-11	1,000,000	4.89E-05
377	2.49	1.2631E-06	3.1464E-06	3.46E-04	1.09E-09	0.25	1.57E-01	4.28E-11	1,000,000	4.28E-05
378	2.20	1.2631E-06	2.7839E-06	3.46E-04	9.64E-10	0.25	1.57E-01	3.79E-11	1,000,000	3.79E-05
379	1.91	1.2631E-06	2.4146E-06	3.46E-04	8.36E-10	0.25	1.57E-01	3.28E-11	1,000,000	3.28E-05
380	1.65	1.2631E-06	2.0899E-06	3.46E-04	7.23E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
381	0.57	1.2631E-06	7.2192E-07	3.46E-04	2.50E-10	0.25	1.57E-01	9.82E-12	1,000,000	9.82E-06
382	0.63	1.2631E-06	7.9039E-07	3.46E-04	2.74E-10	0.25	1.57E-01	1.07E-11	1,000,000	1.07E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	0.69	1.2631E-06	8.6768E-07	3.46E-04	3.00E-10	0.25	1.57E-01	1.18E-11	1,000,000	1.18E-05
384	0.76	1.2631E-06	9.548E-07	3.46E-04	3.31E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
385	0.83	1.2631E-06	1.0528E-06	3.46E-04	3.64E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
386	0.92	1.2631E-06	1.1616E-06	3.46E-04	4.02E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
387	1.01	1.2631E-06	1.2806E-06	3.46E-04	4.43E-10	0.25	1.57E-01	1.74E-11	1,000,000	1.74E-05
388	1.12	1.2631E-06	1.4095E-06	3.46E-04	4.88E-10	0.25	1.57E-01	1.92E-11	1,000,000	1.92E-05
389	1.22	1.2631E-06	1.544E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
390	1.33	1.2631E-06	1.6773E-06	3.46E-04	5.81E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
391	1.42	1.2631E-06	1.798E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
392	1.50	1.2631E-06	1.8924E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
393	1.54	1.2631E-06	1.9449E-06	3.46E-04	6.73E-10	0.25	1.57E-01	2.64E-11	1,000,000	2.64E-05
394	1.54	1.2631E-06	1.9477E-06	3.46E-04	6.74E-10	0.25	1.57E-01	2.65E-11	1,000,000	2.65E-05
395	1.50	1.2631E-06	1.893E-06	3.46E-04	6.55E-10	0.25	1.57E-01	2.57E-11	1,000,000	2.57E-05
396	1.42	1.2631E-06	1.7967E-06	3.46E-04	6.22E-10	0.25	1.57E-01	2.44E-11	1,000,000	2.44E-05
397	1.33	1.2631E-06	1.6737E-06	3.46E-04	5.79E-10	0.25	1.57E-01	2.28E-11	1,000,000	2.28E-05
398	1.22	1.2631E-06	1.5374E-06	3.46E-04	5.32E-10	0.25	1.57E-01	2.09E-11	1,000,000	2.09E-05
399	0.61	1.2631E-06	7.6605E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
400	0.67	1.2631E-06	8.4475E-07	3.46E-04	2.92E-10	0.25	1.57E-01	1.15E-11	1,000,000	1.15E-05
401	0.74	1.2631E-06	9.3522E-07	3.46E-04	3.24E-10	0.25	1.57E-01	1.27E-11	1,000,000	1.27E-05
402	0.82	1.2631E-06	1.0392E-06	3.46E-04	3.60E-10	0.25	1.57E-01	1.41E-11	1,000,000	1.41E-05
403	0.92	1.2631E-06	1.1583E-06	3.46E-04	4.01E-10	0.25	1.57E-01	1.58E-11	1,000,000	1.58E-05
404	1.02	1.2631E-06	1.2941E-06	3.46E-04	4.48E-10	0.25	1.57E-01	1.76E-11	1,000,000	1.76E-05
405	1.15	1.2631E-06	1.4488E-06	3.46E-04	5.02E-10	0.25	1.57E-01	1.97E-11	1,000,000	1.97E-05
406	1.28	1.2631E-06	1.6226E-06	3.46E-04	5.62E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
407	1.43	1.2631E-06	1.8124E-06	3.46E-04	6.27E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
408	1.59	1.2631E-06	2.0119E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.74E-11	1,000,000	2.74E-05
409	1.74	1.2631E-06	2.2021E-06	3.46E-04	7.62E-10	0.25	1.57E-01	2.99E-11	1,000,000	2.99E-05
410	1.86	1.2631E-06	2.3553E-06	3.46E-04	8.15E-10	0.25	1.57E-01	3.20E-11	1,000,000	3.20E-05
411	1.94	1.2631E-06	2.447E-06	3.46E-04	8.47E-10	0.25	1.57E-01	3.33E-11	1,000,000	3.33E-05
412	1.94	1.2631E-06	2.4525E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
413	1.87	1.2631E-06	2.3612E-06	3.46E-04	8.17E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
414	1.74	1.2631E-06	2.2037E-06	3.46E-04	7.63E-10	0.25	1.57E-01	3.00E-11	1,000,000	3.00E-05
415	1.59	1.2631E-06	2.0094E-06	3.46E-04	6.96E-10	0.25	1.57E-01	2.73E-11	1,000,000	2.73E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.43	1.2631E-06	1.8014E-06	3.46E-04	6.24E-10	0.25	1.57E-01	2.45E-11	1,000,000	2.45E-05
417	0.64	1.2631E-06	8.099E-07	3.46E-04	2.80E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05
418	0.71	1.2631E-06	8.995E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
419	0.80	1.2631E-06	1.0042E-06	3.46E-04	3.48E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
420	0.89	1.2631E-06	1.127E-06	3.46E-04	3.90E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
421	1.01	1.2631E-06	1.2715E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
422	1.14	1.2631E-06	1.4421E-06	3.46E-04	4.99E-10	0.25	1.57E-01	1.96E-11	1,000,000	1.96E-05
423	1.30	1.2631E-06	1.6433E-06	3.46E-04	5.69E-10	0.25	1.57E-01	2.23E-11	1,000,000	2.23E-05
424	1.49	1.2631E-06	1.8787E-06	3.46E-04	6.50E-10	0.25	1.57E-01	2.55E-11	1,000,000	2.55E-05
425	1.70	1.2631E-06	2.1489E-06	3.46E-04	7.44E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
426	1.94	1.2631E-06	2.4524E-06	3.46E-04	8.49E-10	0.25	1.57E-01	3.34E-11	1,000,000	3.34E-05
427	2.19	1.2631E-06	2.7632E-06	3.46E-04	9.57E-10	0.25	1.57E-01	3.76E-11	1,000,000	3.76E-05
428	2.41	1.2631E-06	3.0426E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
429	2.55	1.2631E-06	3.2167E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.37E-11	1,000,000	4.37E-05
430	2.55	1.2631E-06	3.2181E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.38E-11	1,000,000	4.38E-05
431	2.41	1.2631E-06	3.0486E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.15E-11	1,000,000	4.15E-05
432	2.19	1.2631E-06	2.77E-06	3.46E-04	9.59E-10	0.25	1.57E-01	3.77E-11	1,000,000	3.77E-05
433	1.95	1.2631E-06	2.463E-06	3.46E-04	8.53E-10	0.25	1.57E-01	3.35E-11	1,000,000	3.35E-05
434	1.70	1.2631E-06	2.1507E-06	3.46E-04	7.44E-10	0.25	1.57E-01	2.92E-11	1,000,000	2.92E-05
435	0.65	1.2631E-06	8.2495E-07	3.46E-04	2.86E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
436	0.75	1.2631E-06	9.4201E-07	3.46E-04	3.26E-10	0.25	1.57E-01	1.28E-11	1,000,000	1.28E-05
437	0.85	1.2631E-06	1.073E-06	3.46E-04	3.71E-10	0.25	1.57E-01	1.46E-11	1,000,000	1.46E-05
438	0.96	1.2631E-06	1.2164E-06	3.46E-04	4.21E-10	0.25	1.57E-01	1.65E-11	1,000,000	1.65E-05
439	1.10	1.2631E-06	1.3896E-06	3.46E-04	4.81E-10	0.25	1.57E-01	1.89E-11	1,000,000	1.89E-05
440	1.27	1.2631E-06	1.6003E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
441	1.47	1.2631E-06	1.8583E-06	3.46E-04	6.43E-10	0.25	1.57E-01	2.53E-11	1,000,000	2.53E-05
442	1.72	1.2631E-06	2.1758E-06	3.46E-04	7.53E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
443	2.03	1.2631E-06	2.5659E-06	3.46E-04	8.88E-10	0.25	1.57E-01	3.49E-11	1,000,000	3.49E-05
444	2.40	1.2631E-06	3.0374E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.13E-11	1,000,000	4.13E-05
445	2.83	1.2631E-06	3.5809E-06	3.46E-04	1.24E-09	0.25	1.57E-01	4.87E-11	1,000,000	4.87E-05
446	3.27	1.2631E-06	4.1338E-06	3.46E-04	1.43E-09	0.25	1.57E-01	5.62E-11	1,000,000	5.62E-05
447	3.58	1.2631E-06	4.5216E-06	3.46E-04	1.57E-09	0.25	1.57E-01	6.15E-11	1,000,000	6.15E-05
448	3.58	1.2631E-06	4.5169E-06	3.46E-04	1.56E-09	0.25	1.57E-01	6.14E-11	1,000,000	6.14E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	3.28	1.2631E-06	4.1469E-06	3.46E-04	1.44E-09	0.25	1.57E-01	5.64E-11	1,000,000	5.64E-05
450	2.86	1.2631E-06	3.6073E-06	3.46E-04	1.25E-09	0.25	1.57E-01	4.91E-11	1,000,000	4.91E-05
451	2.41	1.2631E-06	3.0444E-06	3.46E-04	1.05E-09	0.25	1.57E-01	4.14E-11	1,000,000	4.14E-05
452	2.04	1.2631E-06	2.5762E-06	3.46E-04	8.92E-10	0.25	1.57E-01	3.50E-11	1,000,000	3.50E-05
453	0.66	1.2631E-06	8.3424E-07	3.46E-04	2.89E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
454	0.75	1.2631E-06	9.4942E-07	3.46E-04	3.29E-10	0.25	1.57E-01	1.29E-11	1,000,000	1.29E-05
455	0.87	1.2631E-06	1.1039E-06	3.46E-04	3.82E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
456	1.03	1.2631E-06	1.2994E-06	3.46E-04	4.50E-10	0.25	1.57E-01	1.77E-11	1,000,000	1.77E-05
457	1.19	1.2631E-06	1.5076E-06	3.46E-04	5.22E-10	0.25	1.57E-01	2.05E-11	1,000,000	2.05E-05
458	1.40	1.2631E-06	1.7629E-06	3.46E-04	6.10E-10	0.25	1.57E-01	2.40E-11	1,000,000	2.40E-05
459	1.65	1.2631E-06	2.0875E-06	3.46E-04	7.23E-10	0.25	1.57E-01	2.84E-11	1,000,000	2.84E-05
460	1.99	1.2631E-06	2.5074E-06	3.46E-04	8.68E-10	0.25	1.57E-01	3.41E-11	1,000,000	3.41E-05
461	2.42	1.2631E-06	3.0592E-06	3.46E-04	1.06E-09	0.25	1.57E-01	4.16E-11	1,000,000	4.16E-05
462	3.01	1.2631E-06	3.797E-06	3.46E-04	1.31E-09	0.25	1.57E-01	5.16E-11	1,000,000	5.16E-05
463	3.79	1.2631E-06	4.7849E-06	3.46E-04	1.66E-09	0.25	1.57E-01	6.51E-11	1,000,000	6.51E-05
464	4.77	1.2631E-06	6.0234E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.19E-11	1,000,000	8.19E-05
465	5.65	1.2631E-06	7.1372E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.71E-11	1,000,000	9.71E-05
466	5.66	1.2631E-06	7.1465E-06	3.46E-04	2.47E-09	0.25	1.57E-01	9.72E-11	1,000,000	9.72E-05
467	4.80	1.2631E-06	6.0639E-06	3.46E-04	2.10E-09	0.25	1.57E-01	8.25E-11	1,000,000	8.25E-05
468	3.83	1.2631E-06	4.8371E-06	3.46E-04	1.67E-09	0.25	1.57E-01	6.58E-11	1,000,000	6.58E-05
469	3.05	1.2631E-06	3.8489E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.23E-11	1,000,000	5.23E-05
470	2.46	1.2631E-06	3.1064E-06	3.46E-04	1.08E-09	0.25	1.57E-01	4.22E-11	1,000,000	4.22E-05
471	0.65	1.2631E-06	8.2421E-07	3.46E-04	2.85E-10	0.25	1.57E-01	1.12E-11	1,000,000	1.12E-05
472	0.76	1.2631E-06	9.6154E-07	3.46E-04	3.33E-10	0.25	1.57E-01	1.31E-11	1,000,000	1.31E-05
473	0.89	1.2631E-06	1.1214E-06	3.46E-04	3.88E-10	0.25	1.57E-01	1.53E-11	1,000,000	1.53E-05
474	1.04	1.2631E-06	1.3086E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
475	1.22	1.2631E-06	1.5422E-06	3.46E-04	5.34E-10	0.25	1.57E-01	2.10E-11	1,000,000	2.10E-05
476	11.56	1.2631E-06	1.4607E-05	3.46E-04	5.06E-09	0.25	1.57E-01	1.99E-10	1,000,000	1.99E-04
477	7.64	1.2631E-06	9.645E-06	3.46E-04	3.34E-09	0.25	1.57E-01	1.31E-10	1,000,000	1.31E-04
478	5.32	1.2631E-06	6.7143E-06	3.46E-04	2.32E-09	0.25	1.57E-01	9.13E-11	1,000,000	9.13E-05
479	3.89	1.2631E-06	4.9141E-06	3.46E-04	1.70E-09	0.25	1.57E-01	6.68E-11	1,000,000	6.68E-05
480	2.97	1.2631E-06	3.7494E-06	3.46E-04	1.30E-09	0.25	1.57E-01	5.10E-11	1,000,000	5.10E-05
481	0.64	1.2631E-06	8.0619E-07	3.46E-04	2.79E-10	0.25	1.57E-01	1.10E-11	1,000,000	1.10E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	0.75	1.2631E-06	9.5312E-07	3.46E-04	3.30E-10	0.25	1.57E-01	1.30E-11	1,000,000	1.30E-05
483	0.88	1.2631E-06	1.1061E-06	3.46E-04	3.83E-10	0.25	1.57E-01	1.50E-11	1,000,000	1.50E-05
484	1.04	1.2631E-06	1.3077E-06	3.46E-04	4.53E-10	0.25	1.57E-01	1.78E-11	1,000,000	1.78E-05
485	1.27	1.2631E-06	1.5998E-06	3.46E-04	5.54E-10	0.25	1.57E-01	2.18E-11	1,000,000	2.18E-05
486	40.14	1.2631E-06	5.0697E-05	3.46E-04	1.75E-08	0.25	1.57E-01	6.89E-10	1,000,000	6.89E-04
487	13.02	1.2631E-06	1.6443E-05	3.46E-04	5.69E-09	0.25	1.57E-01	2.24E-10	1,000,000	2.24E-04
488	7.32	1.2631E-06	9.2525E-06	3.46E-04	3.20E-09	0.25	1.57E-01	1.26E-10	1,000,000	1.26E-04
489	4.91	1.2631E-06	6.1976E-06	3.46E-04	2.15E-09	0.25	1.57E-01	8.43E-11	1,000,000	8.43E-05
490	3.55	1.2631E-06	4.4901E-06	3.46E-04	1.55E-09	0.25	1.57E-01	6.11E-11	1,000,000	6.11E-05
491	0.61	1.2631E-06	7.6584E-07	3.46E-04	2.65E-10	0.25	1.57E-01	1.04E-11	1,000,000	1.04E-05
492	0.72	1.2631E-06	9.0508E-07	3.46E-04	3.13E-10	0.25	1.57E-01	1.23E-11	1,000,000	1.23E-05
493	0.83	1.2631E-06	1.0536E-06	3.46E-04	3.65E-10	0.25	1.57E-01	1.43E-11	1,000,000	1.43E-05
494	1.01	1.2631E-06	1.2702E-06	3.46E-04	4.40E-10	0.25	1.57E-01	1.73E-11	1,000,000	1.73E-05
495	1.24	1.2631E-06	1.5709E-06	3.46E-04	5.44E-10	0.25	1.57E-01	2.14E-11	1,000,000	2.14E-05
496	2.66	1.2631E-06	3.3575E-06	3.46E-04	1.16E-09	0.25	1.57E-01	4.57E-11	1,000,000	4.57E-05
497	3.50	1.2631E-06	4.4252E-06	3.46E-04	1.53E-09	0.25	1.57E-01	6.02E-11	1,000,000	6.02E-05
498	44.65	1.2631E-06	5.6404E-05	3.46E-04	1.95E-08	0.25	1.57E-01	7.67E-10	1,000,000	7.67E-04
499	63.39	1.2631E-06	8.0067E-05	3.46E-04	2.77E-08	0.25	1.57E-01	1.09E-09	1,000,000	1.09E-03
500	18.07	1.2631E-06	2.2826E-05	3.46E-04	7.90E-09	0.25	1.57E-01	3.10E-10	1,000,000	3.10E-04
501	9.39	1.2631E-06	1.1858E-05	3.46E-04	4.10E-09	0.25	1.57E-01	1.61E-10	1,000,000	1.61E-04
502	5.92	1.2631E-06	7.474E-06	3.46E-04	2.59E-09	0.25	1.57E-01	1.02E-10	1,000,000	1.02E-04
503	4.13	1.2631E-06	5.2134E-06	3.46E-04	1.80E-09	0.25	1.57E-01	7.09E-11	1,000,000	7.09E-05
504	0.56	1.2631E-06	7.1283E-07	3.46E-04	2.47E-10	0.25	1.57E-01	9.69E-12	1,000,000	9.69E-06
505	0.65	1.2631E-06	8.1907E-07	3.46E-04	2.84E-10	0.25	1.57E-01	1.11E-11	1,000,000	1.11E-05
506	0.80	1.2631E-06	1.0076E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
507	0.94	1.2631E-06	1.193E-06	3.46E-04	4.13E-10	0.25	1.57E-01	1.62E-11	1,000,000	1.62E-05
508	1.20	1.2631E-06	1.5211E-06	3.46E-04	5.27E-10	0.25	1.57E-01	2.07E-11	1,000,000	2.07E-05
509	1.51	1.2631E-06	1.911E-06	3.46E-04	6.62E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
510	1.95	1.2631E-06	2.4599E-06	3.46E-04	8.52E-10	0.25	1.57E-01	3.35E-11	1,000,000	3.35E-05
511	2.62	1.2631E-06	3.3032E-06	3.46E-04	1.14E-09	0.25	1.57E-01	4.49E-11	1,000,000	4.49E-05
512	3.67	1.2631E-06	4.6313E-06	3.46E-04	1.60E-09	0.25	1.57E-01	6.30E-11	1,000,000	6.30E-05
513	5.39	1.2631E-06	6.8027E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.25E-11	1,000,000	9.25E-05
514	8.77	1.2631E-06	1.1083E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 3rd Trimester					
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	16.37	1.2631E-06	2.0672E-05	3.46E-04	7.16E-09	0.25	1.57E-01	2.81E-10	1,000,000	2.81E-04
516	48.33	1.2631E-06	6.1045E-05	3.46E-04	2.11E-08	0.25	1.57E-01	8.30E-10	1,000,000	8.30E-04
517	66.41	1.2631E-06	8.3887E-05	3.46E-04	2.90E-08	0.25	1.57E-01	1.14E-09	1,000,000	1.14E-03
518	20.29	1.2631E-06	2.5627E-05	3.46E-04	8.87E-09	0.25	1.57E-01	3.49E-10	1,000,000	3.49E-04
519	10.63	1.2631E-06	1.3432E-05	3.46E-04	4.65E-09	0.25	1.57E-01	1.83E-10	1,000,000	1.83E-04
520	6.64	1.2631E-06	8.389E-06	3.46E-04	2.90E-09	0.25	1.57E-01	1.14E-10	1,000,000	1.14E-04
521	4.57	1.2631E-06	5.7705E-06	3.46E-04	2.00E-09	0.25	1.57E-01	7.85E-11	1,000,000	7.85E-05
522	0.51	1.2631E-06	6.4845E-07	3.46E-04	2.24E-10	0.25	1.57E-01	8.82E-12	1,000,000	8.82E-06
523	0.61	1.2631E-06	7.6924E-07	3.46E-04	2.66E-10	0.25	1.57E-01	1.05E-11	1,000,000	1.05E-05
524	0.73	1.2631E-06	9.2097E-07	3.46E-04	3.19E-10	0.25	1.57E-01	1.25E-11	1,000,000	1.25E-05
525	0.88	1.2631E-06	1.1135E-06	3.46E-04	3.85E-10	0.25	1.57E-01	1.51E-11	1,000,000	1.51E-05
526	1.05	1.2631E-06	1.3313E-06	3.46E-04	4.61E-10	0.25	1.57E-01	1.81E-11	1,000,000	1.81E-05
527	1.43	1.2631E-06	1.8053E-06	3.46E-04	6.25E-10	0.25	1.57E-01	2.46E-11	1,000,000	2.46E-05
528	1.87	1.2631E-06	2.3604E-06	3.46E-04	8.17E-10	0.25	1.57E-01	3.21E-11	1,000,000	3.21E-05
529	2.54	1.2631E-06	3.2072E-06	3.46E-04	1.11E-09	0.25	1.57E-01	4.36E-11	1,000,000	4.36E-05
530	3.62	1.2631E-06	4.5735E-06	3.46E-04	1.58E-09	0.25	1.57E-01	6.22E-11	1,000,000	6.22E-05
531	5.38	1.2631E-06	6.7979E-06	3.46E-04	2.35E-09	0.25	1.57E-01	9.24E-11	1,000,000	9.24E-05
532	8.79	1.2631E-06	1.1103E-05	3.46E-04	3.84E-09	0.25	1.57E-01	1.51E-10	1,000,000	1.51E-04
533	16.80	1.2631E-06	2.1215E-05	3.46E-04	7.34E-09	0.25	1.57E-01	2.89E-10	1,000,000	2.89E-04
534	49.37	1.2631E-06	6.2359E-05	3.46E-04	2.16E-08	0.25	1.57E-01	8.48E-10	1,000,000	8.48E-04
535	66.03	1.2631E-06	8.3403E-05	3.46E-04	2.89E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
536	20.82	1.2631E-06	2.6294E-05	3.46E-04	9.10E-09	0.25	1.57E-01	3.58E-10	1,000,000	3.58E-04
537	11.05	1.2631E-06	1.3954E-05	3.46E-04	4.83E-09	0.25	1.57E-01	1.90E-10	1,000,000	1.90E-04
538	6.95	1.2631E-06	8.7747E-06	3.46E-04	3.04E-09	0.25	1.57E-01	1.19E-10	1,000,000	1.19E-04
539	4.78	1.2631E-06	6.0394E-06	3.46E-04	2.09E-09	0.25	1.57E-01	8.21E-11	1,000,000	8.21E-05
540	0.47	1.2631E-06	5.8778E-07	3.46E-04	2.03E-10	0.25	1.57E-01	7.99E-12	1,000,000	7.99E-06
541	0.55	1.2631E-06	6.9667E-07	3.46E-04	2.41E-10	0.25	1.57E-01	9.47E-12	1,000,000	9.47E-06
542	0.66	1.2631E-06	8.3194E-07	3.46E-04	2.88E-10	0.25	1.57E-01	1.13E-11	1,000,000	1.13E-05
543	0.80	1.2631E-06	1.0094E-06	3.46E-04	3.49E-10	0.25	1.57E-01	1.37E-11	1,000,000	1.37E-05
544	1.02	1.2631E-06	1.285E-06	3.46E-04	4.45E-10	0.25	1.57E-01	1.75E-11	1,000,000	1.75E-05
545	1.29	1.2631E-06	1.6255E-06	3.46E-04	5.63E-10	0.25	1.57E-01	2.21E-11	1,000,000	2.21E-05
546	1.73	1.2631E-06	2.1794E-06	3.46E-04	7.54E-10	0.25	1.57E-01	2.96E-11	1,000,000	2.96E-05
547	2.34	1.2631E-06	2.9558E-06	3.46E-04	1.02E-09	0.25	1.57E-01	4.02E-11	1,000,000	4.02E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

		Cancer Risk from 3rd Trimester								
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	3.39	1.2631E-06	4.2788E-06	3.46E-04	1.48E-09	0.25	1.57E-01	5.82E-11	1,000,000	5.82E-05
549	5.10	1.2631E-06	6.4472E-06	3.46E-04	2.23E-09	0.25	1.57E-01	8.77E-11	1,000,000	8.77E-05
550	8.42	1.2631E-06	1.064E-05	3.46E-04	3.68E-09	0.25	1.57E-01	1.45E-10	1,000,000	1.45E-04
551	16.13	1.2631E-06	2.0373E-05	3.46E-04	7.05E-09	0.25	1.57E-01	2.77E-10	1,000,000	2.77E-04
552	47.77	1.2631E-06	6.0337E-05	3.46E-04	2.09E-08	0.25	1.57E-01	8.21E-10	1,000,000	8.21E-04
553	66.06	1.2631E-06	8.3444E-05	3.46E-04	2.89E-08	0.25	1.57E-01	1.13E-09	1,000,000	1.13E-03
554	20.21	1.2631E-06	2.5522E-05	3.46E-04	8.83E-09	0.25	1.57E-01	3.47E-10	1,000,000	3.47E-04
555	10.78	1.2631E-06	1.3623E-05	3.46E-04	4.72E-09	0.25	1.57E-01	1.85E-10	1,000,000	1.85E-04
556	6.84	1.2631E-06	8.641E-06	3.46E-04	2.99E-09	0.25	1.57E-01	1.18E-10	1,000,000	1.18E-04
557	4.76	1.2631E-06	6.0097E-06	3.46E-04	2.08E-09	0.25	1.57E-01	8.17E-11	1,000,000	8.17E-05
558	0.42	1.2631E-06	5.3373E-07	3.46E-04	1.85E-10	0.25	1.57E-01	7.26E-12	1,000,000	7.26E-06
559	0.50	1.2631E-06	6.3137E-07	3.46E-04	2.19E-10	0.25	1.57E-01	8.59E-12	1,000,000	8.59E-06
560	0.58	1.2631E-06	7.338E-07	3.46E-04	2.54E-10	0.25	1.57E-01	9.98E-12	1,000,000	9.98E-06
561	0.71	1.2631E-06	8.9937E-07	3.46E-04	3.11E-10	0.25	1.57E-01	1.22E-11	1,000,000	1.22E-05
562	0.87	1.2631E-06	1.0958E-06	3.46E-04	3.79E-10	0.25	1.57E-01	1.49E-11	1,000,000	1.49E-05
563	1.11	1.2631E-06	1.3995E-06	3.46E-04	4.84E-10	0.25	1.57E-01	1.90E-11	1,000,000	1.90E-05
564	1.52	1.2631E-06	1.9139E-06	3.46E-04	6.63E-10	0.25	1.57E-01	2.60E-11	1,000,000	2.60E-05
565	2.07	1.2631E-06	2.6093E-06	3.46E-04	9.03E-10	0.25	1.57E-01	3.55E-11	1,000,000	3.55E-05
566	3.03	1.2631E-06	3.8304E-06	3.46E-04	1.33E-09	0.25	1.57E-01	5.21E-11	1,000,000	5.21E-05
567	4.55	1.2631E-06	5.7514E-06	3.46E-04	1.99E-09	0.25	1.57E-01	7.82E-11	1,000,000	7.82E-05
568	7.49	1.2631E-06	9.4578E-06	3.46E-04	3.27E-09	0.25	1.57E-01	1.29E-10	1,000,000	1.29E-04
569	13.85	1.2631E-06	1.749E-05	3.46E-04	6.05E-09	0.25	1.57E-01	2.38E-10	1,000,000	2.38E-04
570	42.93	1.2631E-06	5.4224E-05	3.46E-04	1.88E-08	0.25	1.57E-01	7.37E-10	1,000,000	7.37E-04
571	65.16	1.2631E-06	8.2303E-05	3.46E-04	2.85E-08	0.25	1.57E-01	1.12E-09	1,000,000	1.12E-03
572	18.49	1.2631E-06	2.3349E-05	3.46E-04	8.08E-09	0.25	1.57E-01	3.18E-10	1,000,000	3.18E-04
573	9.81	1.2631E-06	1.2392E-05	3.46E-04	4.29E-09	0.25	1.57E-01	1.69E-10	1,000,000	1.69E-04
574	6.34	1.2631E-06	8.013E-06	3.46E-04	2.77E-09	0.25	1.57E-01	1.09E-10	1,000,000	1.09E-04
575	4.51	1.2631E-06	5.6906E-06	3.46E-04	1.97E-09	0.25	1.57E-01	7.74E-11	1,000,000	7.74E-05

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.2631E-06	5.5212E-07	1.05E-03	5.77E-10	2.00	1.57E-01	1.81E-10	1,000,000	1.8E-04
2	1.2631E-06	5.935E-07	1.05E-03	6.20E-10	2.00	1.57E-01	1.95E-10	1,000,000	1.95E-04
3	1.2631E-06	6.3875E-07	1.05E-03	6.68E-10	2.00	1.57E-01	2.10E-10	1,000,000	2.10E-04
4	1.2631E-06	6.8782E-07	1.05E-03	7.19E-10	2.00	1.57E-01	2.26E-10	1,000,000	2.26E-04
5	1.2631E-06	7.4112E-07	1.05E-03	7.75E-10	2.00	1.57E-01	2.43E-10	1,000,000	2.43E-04
6	1.2631E-06	7.9848E-07	1.05E-03	8.35E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
7	1.2631E-06	8.5881E-07	1.05E-03	8.98E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
8	1.2631E-06	9.2165E-07	1.05E-03	9.63E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
9	1.2631E-06	9.861E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.24E-10	1,000,000	3.24E-04
10	1.2631E-06	1.0493E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
11	1.2631E-06	1.1084E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.64E-10	1,000,000	3.64E-04
12	1.2631E-06	1.1603E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
13	1.2631E-06	1.2013E-06	1.05E-03	1.26E-09	2.00	1.57E-01	3.95E-10	1,000,000	3.95E-04
14	1.2631E-06	1.2276E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
15	1.2631E-06	1.2368E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
16	1.2631E-06	1.2265E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
17	1.2631E-06	1.2005E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
18	1.2631E-06	1.1589E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.81E-10	1,000,000	3.81E-04
19	1.2631E-06	1.1045E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
20	1.2631E-06	1.0452E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.43E-10	1,000,000	3.43E-04
21	1.2631E-06	9.8149E-07	1.05E-03	1.03E-09	2.00	1.57E-01	3.22E-10	1,000,000	3.22E-04
22	1.2631E-06	9.1559E-07	1.05E-03	9.57E-10	2.00	1.57E-01	3.01E-10	1,000,000	3.01E-04
23	1.2631E-06	5.8415E-07	1.05E-03	6.11E-10	2.00	1.57E-01	1.92E-10	1,000,000	1.92E-04
24	1.2631E-06	6.3139E-07	1.05E-03	6.60E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
25	1.2631E-06	6.8363E-07	1.05E-03	7.15E-10	2.00	1.57E-01	2.25E-10	1,000,000	2.25E-04
26	1.2631E-06	7.413E-07	1.05E-03	7.75E-10	2.00	1.57E-01	2.44E-10	1,000,000	2.44E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.2631E-06	8.046E-07	1.05E-03	8.41E-10	2.00	1.57E-01	2.64E-10	1,000,000	2.64E-04
28	1.2631E-06	8.7428E-07	1.05E-03	9.14E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
29	1.2631E-06	9.488E-07	1.05E-03	9.92E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
30	1.2631E-06	1.0289E-06	1.05E-03	1.08E-09	2.00	1.57E-01	3.38E-10	1,000,000	3.38E-04
31	1.2631E-06	1.1119E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.65E-10	1,000,000	3.65E-04
32	1.2631E-06	1.1956E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
33	1.2631E-06	1.2757E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.19E-10	1,000,000	4.19E-04
34	1.2631E-06	1.3492E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
35	1.2631E-06	1.409E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
36	1.2631E-06	1.4491E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.76E-10	1,000,000	4.76E-04
37	1.2631E-06	1.4594E-06	1.05E-03	1.53E-09	2.00	1.57E-01	4.79E-10	1,000,000	4.79E-04
38	1.2631E-06	1.4453E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.75E-10	1,000,000	4.75E-04
39	1.2631E-06	1.4087E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
40	1.2631E-06	1.3492E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
41	1.2631E-06	1.2733E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
42	1.2631E-06	1.1892E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.91E-10	1,000,000	3.91E-04
43	1.2631E-06	1.1022E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
44	1.2631E-06	1.0228E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
45	1.2631E-06	6.1698E-07	1.05E-03	6.45E-10	2.00	1.57E-01	2.03E-10	1,000,000	2.03E-04
46	1.2631E-06	6.7064E-07	1.05E-03	7.01E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
47	1.2631E-06	7.3083E-07	1.05E-03	7.64E-10	2.00	1.57E-01	2.40E-10	1,000,000	2.40E-04
48	1.2631E-06	7.9829E-07	1.05E-03	8.34E-10	2.00	1.57E-01	2.62E-10	1,000,000	2.62E-04
49	1.2631E-06	8.7363E-07	1.05E-03	9.13E-10	2.00	1.57E-01	2.87E-10	1,000,000	2.87E-04
50	1.2631E-06	9.5756E-07	1.05E-03	1.00E-09	2.00	1.57E-01	3.15E-10	1,000,000	3.15E-04
51	1.2631E-06	1.0504E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.45E-10	1,000,000	3.45E-04
52	1.2631E-06	1.1517E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.78E-10	1,000,000	3.78E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.2631E-06	1.2608E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
54	1.2631E-06	1.3734E-06	1.05E-03	1.44E-09	2.00	1.57E-01	4.51E-10	1,000,000	4.51E-04
55	1.2631E-06	1.4858E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.88E-10	1,000,000	4.88E-04
56	1.2631E-06	1.5913E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
57	1.2631E-06	1.6796E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.52E-10	1,000,000	5.52E-04
58	1.2631E-06	1.7433E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04
59	1.2631E-06	1.7601E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.78E-10	1,000,000	5.78E-04
60	1.2631E-06	1.738E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.71E-10	1,000,000	5.71E-04
61	1.2631E-06	1.6819E-06	1.05E-03	1.76E-09	2.00	1.57E-01	5.52E-10	1,000,000	5.52E-04
62	1.2631E-06	1.5919E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
63	1.2631E-06	1.4834E-06	1.05E-03	1.55E-09	2.00	1.57E-01	4.87E-10	1,000,000	4.87E-04
64	1.2631E-06	1.3683E-06	1.05E-03	1.43E-09	2.00	1.57E-01	4.49E-10	1,000,000	4.49E-04
65	1.2631E-06	1.2548E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.12E-10	1,000,000	4.12E-04
66	1.2631E-06	1.1468E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.77E-10	1,000,000	3.77E-04
67	1.2631E-06	6.4999E-07	1.05E-03	6.79E-10	2.00	1.57E-01	2.14E-10	1,000,000	2.14E-04
68	1.2631E-06	7.1058E-07	1.05E-03	7.43E-10	2.00	1.57E-01	2.33E-10	1,000,000	2.33E-04
69	1.2631E-06	7.7952E-07	1.05E-03	8.15E-10	2.00	1.57E-01	2.56E-10	1,000,000	2.56E-04
70	1.2631E-06	8.5789E-07	1.05E-03	8.97E-10	2.00	1.57E-01	2.82E-10	1,000,000	2.82E-04
71	1.2631E-06	9.4717E-07	1.05E-03	9.90E-10	2.00	1.57E-01	3.11E-10	1,000,000	3.11E-04
72	1.2631E-06	1.0487E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
73	1.2631E-06	1.1638E-06	1.05E-03	1.22E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
74	1.2631E-06	1.2926E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
75	1.2631E-06	1.4356E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.72E-10	1,000,000	4.72E-04
76	1.2631E-06	1.5908E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.23E-10	1,000,000	5.23E-04
77	1.2631E-06	1.7531E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.76E-10	1,000,000	5.76E-04
78	1.2631E-06	1.9134E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.29E-10	1,000,000	6.29E-04
79	1.2631E-06	2.0502E-06	1.05E-03	2.14E-09	2.00	1.57E-01	6.73E-10	1,000,000	6.73E-04
80	1.2631E-06	2.1467E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.05E-10	1,000,000	7.05E-04
81	1.2631E-06	2.1815E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.17E-10	1,000,000	7.17E-04
82	1.2631E-06	2.1515E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.07E-10	1,000,000	7.07E-04
83	1.2631E-06	2.0526E-06	1.05E-03	2.15E-09	2.00	1.57E-01	6.74E-10	1,000,000	6.74E-04
84	1.2631E-06	1.9138E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.29E-10	1,000,000	6.29E-04
85	1.2631E-06	1.7431E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.73E-10	1,000,000	5.73E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.2631E-06	1.5868E-06	1.05E-03	1.66E-09	2.00	1.57E-01	5.21E-10	1,000,000	5.21E-04
87	1.2631E-06	1.4307E-06	1.05E-03	1.50E-09	2.00	1.57E-01	4.70E-10	1,000,000	4.70E-04
88	1.2631E-06	1.2895E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.24E-10	1,000,000	4.24E-04
89	1.2631E-06	6.8248E-07	1.05E-03	7.13E-10	2.00	1.57E-01	2.24E-10	1,000,000	2.24E-04
90	1.2631E-06	7.5036E-07	1.05E-03	7.84E-10	2.00	1.57E-01	2.46E-10	1,000,000	2.46E-04
91	1.2631E-06	8.2857E-07	1.05E-03	8.66E-10	2.00	1.57E-01	2.72E-10	1,000,000	2.72E-04
92	1.2631E-06	9.1906E-07	1.05E-03	9.61E-10	2.00	1.57E-01	3.02E-10	1,000,000	3.02E-04
93	1.2631E-06	1.0241E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
94	1.2631E-06	1.146E-06	1.05E-03	1.20E-09	2.00	1.57E-01	3.76E-10	1,000,000	3.76E-04
95	1.2631E-06	1.2877E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.23E-10	1,000,000	4.23E-04
96	1.2631E-06	1.452E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.77E-10	1,000,000	4.77E-04
97	1.2631E-06	1.6417E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.39E-10	1,000,000	5.39E-04
98	1.2631E-06	1.8565E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.10E-10	1,000,000	6.10E-04
99	1.2631E-06	2.0923E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
100	1.2631E-06	2.3387E-06	1.05E-03	2.44E-09	2.00	1.57E-01	7.68E-10	1,000,000	7.68E-04
101	1.2631E-06	2.5675E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.43E-10	1,000,000	8.43E-04
102	1.2631E-06	2.7372E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.99E-10	1,000,000	8.99E-04
103	1.2631E-06	2.8055E-06	1.05E-03	2.93E-09	2.00	1.57E-01	9.22E-10	1,000,000	9.22E-04
104	1.2631E-06	2.7423E-06	1.05E-03	2.87E-09	2.00	1.57E-01	9.01E-10	1,000,000	9.01E-04
105	1.2631E-06	2.577E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.47E-10	1,000,000	8.47E-04
106	1.2631E-06	2.3455E-06	1.05E-03	2.45E-09	2.00	1.57E-01	7.70E-10	1,000,000	7.70E-04
107	1.2631E-06	2.0936E-06	1.05E-03	2.19E-09	2.00	1.57E-01	6.88E-10	1,000,000	6.88E-04
108	1.2631E-06	1.8547E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.09E-10	1,000,000	6.09E-04
109	1.2631E-06	1.6384E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
110	1.2631E-06	1.4531E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.77E-10	1,000,000	4.77E-04
111	1.2631E-06	7.0394E-07	1.05E-03	7.36E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04
112	1.2631E-06	7.8912E-07	1.05E-03	8.25E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04
113	1.2631E-06	8.714E-07	1.05E-03	9.11E-10	2.00	1.57E-01	2.86E-10	1,000,000	2.86E-04
114	1.2631E-06	9.7699E-07	1.05E-03	1.02E-09	2.00	1.57E-01	3.21E-10	1,000,000	3.21E-04
115	1.2631E-06	1.1024E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.62E-10	1,000,000	3.62E-04
116	1.2631E-06	1.2474E-06	1.05E-03	1.30E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
117	1.2631E-06	1.4208E-06	1.05E-03	1.49E-09	2.00	1.57E-01	4.67E-10	1,000,000	4.67E-04
118	1.2631E-06	1.6293E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.35E-10	1,000,000	5.35E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.2631E-06	1.8793E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
120	1.2631E-06	2.1784E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.16E-10	1,000,000	7.16E-04
121	1.2631E-06	2.531E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.31E-10	1,000,000	8.31E-04
122	1.2631E-06	2.9262E-06	1.05E-03	3.06E-09	2.00	1.57E-01	9.61E-10	1,000,000	9.61E-04
123	1.2631E-06	3.334E-06	1.05E-03	3.48E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
124	1.2631E-06	3.6693E-06	1.05E-03	3.84E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
125	1.2631E-06	3.8103E-06	1.05E-03	3.98E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
126	1.2631E-06	3.6764E-06	1.05E-03	3.84E-09	2.00	1.57E-01	1.21E-09	1,000,000	1.21E-03
127	1.2631E-06	3.3496E-06	1.05E-03	3.50E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
128	1.2631E-06	2.9425E-06	1.05E-03	3.08E-09	2.00	1.57E-01	9.67E-10	1,000,000	9.67E-04
129	1.2631E-06	2.5369E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.33E-10	1,000,000	8.33E-04
130	1.2631E-06	2.186E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.18E-10	1,000,000	7.18E-04
131	1.2631E-06	1.8851E-06	1.05E-03	1.97E-09	2.00	1.57E-01	6.19E-10	1,000,000	6.19E-04
132	1.2631E-06	1.6389E-06	1.05E-03	1.71E-09	2.00	1.57E-01	5.38E-10	1,000,000	5.38E-04
133	1.2631E-06	7.0342E-07	1.05E-03	7.35E-10	2.00	1.57E-01	2.31E-10	1,000,000	2.31E-04
134	1.2631E-06	7.8556E-07	1.05E-03	8.21E-10	2.00	1.57E-01	2.58E-10	1,000,000	2.58E-04
135	1.2631E-06	8.8296E-07	1.05E-03	9.23E-10	2.00	1.57E-01	2.90E-10	1,000,000	2.90E-04
136	1.2631E-06	1.0147E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.33E-10	1,000,000	3.33E-04
137	1.2631E-06	1.1798E-06	1.05E-03	1.23E-09	2.00	1.57E-01	3.88E-10	1,000,000	3.88E-04
138	1.2631E-06	1.35E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.43E-10	1,000,000	4.43E-04
139	1.2631E-06	1.5589E-06	1.05E-03	1.63E-09	2.00	1.57E-01	5.12E-10	1,000,000	5.12E-04
140	1.2631E-06	1.8187E-06	1.05E-03	1.90E-09	2.00	1.57E-01	5.97E-10	1,000,000	5.97E-04
141	1.2631E-06	2.1439E-06	1.05E-03	2.24E-09	2.00	1.57E-01	7.04E-10	1,000,000	7.04E-04
142	1.2631E-06	2.5572E-06	1.05E-03	2.67E-09	2.00	1.57E-01	8.40E-10	1,000,000	8.40E-04
143	1.2631E-06	3.0822E-06	1.05E-03	3.22E-09	2.00	1.57E-01	1.01E-09	1,000,000	1.01E-03
144	1.2631E-06	3.7413E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
145	1.2631E-06	4.5279E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
146	1.2631E-06	5.2979E-06	1.05E-03	5.54E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
147	1.2631E-06	5.6677E-06	1.05E-03	5.92E-09	2.00	1.57E-01	1.86E-09	1,000,000	1.86E-03
148	1.2631E-06	5.3161E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
149	1.2631E-06	4.5678E-06	1.05E-03	4.77E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
150	1.2631E-06	3.7714E-06	1.05E-03	3.94E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
151	1.2631E-06	3.1039E-06	1.05E-03	3.24E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.2631E-06	2.5835E-06	1.05E-03	2.70E-09	2.00	1.57E-01	8.49E-10	1,000,000	8.49E-04
153	1.2631E-06	2.1704E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.13E-10	1,000,000	7.13E-04
154	1.2631E-06	1.8458E-06	1.05E-03	1.93E-09	2.00	1.57E-01	6.06E-10	1,000,000	6.06E-04
155	1.2631E-06	6.7819E-07	1.05E-03	7.09E-10	2.00	1.57E-01	2.23E-10	1,000,000	2.23E-04
156	1.2631E-06	7.7063E-07	1.05E-03	8.05E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
157	1.2631E-06	8.9523E-07	1.05E-03	9.36E-10	2.00	1.57E-01	2.94E-10	1,000,000	2.94E-04
158	1.2631E-06	1.0219E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
159	1.2631E-06	1.1951E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.93E-10	1,000,000	3.93E-04
160	1.2631E-06	1.4017E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.60E-10	1,000,000	4.60E-04
161	1.2631E-06	1.6752E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
162	1.2631E-06	2.0111E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
163	1.2631E-06	2.4245E-06	1.05E-03	2.53E-09	2.00	1.57E-01	7.96E-10	1,000,000	7.96E-04
164	1.2631E-06	2.9793E-06	1.05E-03	3.11E-09	2.00	1.57E-01	9.79E-10	1,000,000	9.79E-04
165	1.2631E-06	3.7456E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
166	1.2631E-06	4.8412E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
167	1.2631E-06	6.4509E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
168	1.2631E-06	8.6843E-06	1.05E-03	9.08E-09	2.00	1.57E-01	2.85E-09	1,000,000	2.85E-03
169	1.2631E-06	1.0208E-05	1.05E-03	1.07E-08	2.00	1.57E-01	3.35E-09	1,000,000	3.35E-03
170	1.2631E-06	8.7169E-06	1.05E-03	9.11E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
171	1.2631E-06	6.5194E-06	1.05E-03	6.81E-09	2.00	1.57E-01	2.14E-09	1,000,000	2.14E-03
172	1.2631E-06	4.9465E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.62E-09	1,000,000	1.62E-03
173	1.2631E-06	3.8357E-06	1.05E-03	4.01E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
174	1.2631E-06	3.0591E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
175	1.2631E-06	2.5001E-06	1.05E-03	2.61E-09	2.00	1.57E-01	8.21E-10	1,000,000	8.21E-04
176	1.2631E-06	2.0789E-06	1.05E-03	2.17E-09	2.00	1.57E-01	6.83E-10	1,000,000	6.83E-04
177	1.2631E-06	6.6838E-07	1.05E-03	6.99E-10	2.00	1.57E-01	2.20E-10	1,000,000	2.20E-04
178	1.2631E-06	7.7048E-07	1.05E-03	8.05E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
179	1.2631E-06	9.0511E-07	1.05E-03	9.46E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
180	1.2631E-06	1.058E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.48E-10	1,000,000	3.48E-04
181	1.2631E-06	1.2353E-06	1.05E-03	1.29E-09	2.00	1.57E-01	4.06E-10	1,000,000	4.06E-04
182	1.2631E-06	1.4527E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.77E-10	1,000,000	4.77E-04
183	1.2631E-06	1.7399E-06	1.05E-03	1.82E-09	2.00	1.57E-01	5.72E-10	1,000,000	5.72E-04
184	1.2631E-06	3.6418E-05	1.05E-03	3.81E-08	2.00	1.57E-01	1.20E-08	1,000,000	1.20E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.2631E-06	1.7209E-05	1.05E-03	1.80E-08	2.00	1.57E-01	5.65E-09	1,000,000	5.65E-03
186	1.2631E-06	9.8506E-06	1.05E-03	1.03E-08	2.00	1.57E-01	3.24E-09	1,000,000	3.24E-03
187	1.2631E-06	6.5446E-06	1.05E-03	6.84E-09	2.00	1.57E-01	2.15E-09	1,000,000	2.15E-03
188	1.2631E-06	4.7282E-06	1.05E-03	4.94E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
189	1.2631E-06	3.6107E-06	1.05E-03	3.77E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
190	1.2631E-06	2.8584E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.39E-10	1,000,000	9.39E-04
191	1.2631E-06	2.3233E-06	1.05E-03	2.43E-09	2.00	1.57E-01	7.63E-10	1,000,000	7.63E-04
192	1.2631E-06	6.3829E-07	1.05E-03	6.67E-10	2.00	1.57E-01	2.10E-10	1,000,000	2.10E-04
193	1.2631E-06	7.3625E-07	1.05E-03	7.70E-10	2.00	1.57E-01	2.42E-10	1,000,000	2.42E-04
194	1.2631E-06	8.6898E-07	1.05E-03	9.08E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
195	1.2631E-06	1.0232E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.36E-10	1,000,000	3.36E-04
196	1.2631E-06	1.2256E-06	1.05E-03	1.28E-09	2.00	1.57E-01	4.03E-10	1,000,000	4.03E-04
197	1.2631E-06	1.4513E-06	1.05E-03	1.52E-09	2.00	1.57E-01	4.77E-10	1,000,000	4.77E-04
198	1.2631E-06	1.7759E-06	1.05E-03	1.86E-09	2.00	1.57E-01	5.83E-10	1,000,000	5.83E-04
199	1.2631E-06	3.7372E-06	1.05E-03	3.91E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
200	1.2631E-06	7.4695E-05	1.05E-03	7.81E-08	2.00	1.57E-01	2.45E-08	1,000,000	2.45E-02
201	1.2631E-06	3.2686E-05	1.05E-03	3.42E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
202	1.2631E-06	1.4024E-05	1.05E-03	1.47E-08	2.00	1.57E-01	4.61E-09	1,000,000	4.61E-03
203	1.2631E-06	8.4007E-06	1.05E-03	8.78E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
204	1.2631E-06	5.7187E-06	1.05E-03	5.98E-09	2.00	1.57E-01	1.88E-09	1,000,000	1.88E-03
205	1.2631E-06	4.1937E-06	1.05E-03	4.38E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
206	1.2631E-06	3.227E-06	1.05E-03	3.37E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
207	1.2631E-06	2.5737E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.45E-10	1,000,000	8.45E-04
208	1.2631E-06	6.0146E-07	1.05E-03	6.29E-10	2.00	1.57E-01	1.98E-10	1,000,000	1.98E-04
209	1.2631E-06	6.9522E-07	1.05E-03	7.27E-10	2.00	1.57E-01	2.28E-10	1,000,000	2.28E-04
210	1.2631E-06	7.8944E-07	1.05E-03	8.25E-10	2.00	1.57E-01	2.59E-10	1,000,000	2.59E-04
211	1.2631E-06	9.5044E-07	1.05E-03	9.93E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
212	1.2631E-06	1.1329E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.72E-10	1,000,000	3.72E-04
213	1.2631E-06	1.3896E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
214	1.2631E-06	1.7482E-06	1.05E-03	1.83E-09	2.00	1.57E-01	5.74E-10	1,000,000	5.74E-04
215	1.2631E-06	2.2065E-06	1.05E-03	2.31E-09	2.00	1.57E-01	7.25E-10	1,000,000	7.25E-04
216	1.2631E-06	2.94E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.66E-10	1,000,000	9.66E-04
217	1.2631E-06	3.9152E-06	1.05E-03	4.09E-09	2.00	1.57E-01	1.29E-09	1,000,000	1.29E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.2631E-06	3.1042E-05	1.05E-03	3.24E-08	2.00	1.57E-01	1.02E-08	1,000,000	1.02E-02
219	1.2631E-06	8.4529E-05	1.05E-03	8.83E-08	2.00	1.57E-01	2.78E-08	1,000,000	2.78E-02
220	1.2631E-06	3.9452E-05	1.05E-03	4.12E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
221	1.2631E-06	1.7169E-05	1.05E-03	1.79E-08	2.00	1.57E-01	5.64E-09	1,000,000	5.64E-03
222	1.2631E-06	9.9578E-06	1.05E-03	1.04E-08	2.00	1.57E-01	3.27E-09	1,000,000	3.27E-03
223	1.2631E-06	6.585E-06	1.05E-03	6.88E-09	2.00	1.57E-01	2.16E-09	1,000,000	2.16E-03
224	1.2631E-06	4.7112E-06	1.05E-03	4.92E-09	2.00	1.57E-01	1.55E-09	1,000,000	1.55E-03
225	1.2631E-06	3.555E-06	1.05E-03	3.72E-09	2.00	1.57E-01	1.17E-09	1,000,000	1.17E-03
226	1.2631E-06	2.7936E-06	1.05E-03	2.92E-09	2.00	1.57E-01	9.18E-10	1,000,000	9.18E-04
227	1.2631E-06	5.5442E-07	1.05E-03	5.79E-10	2.00	1.57E-01	1.82E-10	1,000,000	1.82E-04
228	1.2631E-06	6.3377E-07	1.05E-03	6.62E-10	2.00	1.57E-01	2.08E-10	1,000,000	2.08E-04
229	1.2631E-06	7.3118E-07	1.05E-03	7.64E-10	2.00	1.57E-01	2.40E-10	1,000,000	2.40E-04
230	1.2631E-06	8.6505E-07	1.05E-03	9.04E-10	2.00	1.57E-01	2.84E-10	1,000,000	2.84E-04
231	1.2631E-06	1.047E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.44E-10	1,000,000	3.44E-04
232	1.2631E-06	1.2589E-06	1.05E-03	1.32E-09	2.00	1.57E-01	4.14E-10	1,000,000	4.14E-04
233	1.2631E-06	1.6447E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
234	1.2631E-06	2.1164E-06	1.05E-03	2.21E-09	2.00	1.57E-01	6.95E-10	1,000,000	6.95E-04
235	1.2631E-06	2.8176E-06	1.05E-03	2.94E-09	2.00	1.57E-01	9.26E-10	1,000,000	9.26E-04
236	1.2631E-06	3.8847E-06	1.05E-03	4.06E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
237	1.2631E-06	5.5842E-06	1.05E-03	5.84E-09	2.00	1.57E-01	1.83E-09	1,000,000	1.83E-03
238	1.2631E-06	8.6275E-06	1.05E-03	9.02E-09	2.00	1.57E-01	2.83E-09	1,000,000	2.83E-03
239	1.2631E-06	1.5016E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
240	1.2631E-06	3.2516E-05	1.05E-03	3.40E-08	2.00	1.57E-01	1.07E-08	1,000,000	1.07E-02
241	1.2631E-06	9.1721E-05	1.05E-03	9.59E-08	2.00	1.57E-01	3.01E-08	1,000,000	3.01E-02
242	1.2631E-06	4.1378E-05	1.05E-03	4.32E-08	2.00	1.57E-01	1.36E-08	1,000,000	1.36E-02
243	1.2631E-06	1.8478E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.07E-09	1,000,000	6.07E-03
244	1.2631E-06	1.0775E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.54E-09	1,000,000	3.54E-03
245	1.2631E-06	7.1069E-06	1.05E-03	7.43E-09	2.00	1.57E-01	2.33E-09	1,000,000	2.33E-03
246	1.2631E-06	5.0543E-06	1.05E-03	5.28E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
247	1.2631E-06	3.7895E-06	1.05E-03	3.96E-09	2.00	1.57E-01	1.24E-09	1,000,000	1.24E-03
248	1.2631E-06	2.9582E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.72E-10	1,000,000	9.72E-04
249	1.2631E-06	5.1243E-07	1.05E-03	5.36E-10	2.00	1.57E-01	1.68E-10	1,000,000	1.68E-04
250	1.2631E-06	5.8093E-07	1.05E-03	6.07E-10	2.00	1.57E-01	1.91E-10	1,000,000	1.91E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.2631E-06	6.6532E-07	1.05E-03	6.95E-10	2.00	1.57E-01	2.19E-10	1,000,000	2.19E-04
252	1.2631E-06	7.9256E-07	1.05E-03	8.28E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04
253	1.2631E-06	9.4736E-07	1.05E-03	9.90E-10	2.00	1.57E-01	3.11E-10	1,000,000	3.11E-04
254	1.2631E-06	1.1998E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.94E-10	1,000,000	3.94E-04
255	1.2631E-06	1.5101E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.96E-10	1,000,000	4.96E-04
256	1.2631E-06	2.0326E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.68E-10	1,000,000	6.68E-04
257	1.2631E-06	2.661E-06	1.05E-03	2.78E-09	2.00	1.57E-01	8.74E-10	1,000,000	8.74E-04
258	1.2631E-06	3.6454E-06	1.05E-03	3.81E-09	2.00	1.57E-01	1.20E-09	1,000,000	1.20E-03
259	1.2631E-06	5.3864E-06	1.05E-03	5.63E-09	2.00	1.57E-01	1.77E-09	1,000,000	1.77E-03
260	1.2631E-06	8.4381E-06	1.05E-03	8.82E-09	2.00	1.57E-01	2.77E-09	1,000,000	2.77E-03
261	1.2631E-06	1.4717E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.83E-09	1,000,000	4.83E-03
262	1.2631E-06	3.2183E-05	1.05E-03	3.36E-08	2.00	1.57E-01	1.06E-08	1,000,000	1.06E-02
263	1.2631E-06	8.5013E-05	1.05E-03	8.89E-08	2.00	1.57E-01	2.79E-08	1,000,000	2.79E-02
264	1.2631E-06	4.0928E-05	1.05E-03	4.28E-08	2.00	1.57E-01	1.34E-08	1,000,000	1.34E-02
265	1.2631E-06	1.8496E-05	1.05E-03	1.93E-08	2.00	1.57E-01	6.08E-09	1,000,000	6.08E-03
266	1.2631E-06	1.0872E-05	1.05E-03	1.14E-08	2.00	1.57E-01	3.57E-09	1,000,000	3.57E-03
267	1.2631E-06	7.2268E-06	1.05E-03	7.55E-09	2.00	1.57E-01	2.37E-09	1,000,000	2.37E-03
268	1.2631E-06	5.1642E-06	1.05E-03	5.40E-09	2.00	1.57E-01	1.70E-09	1,000,000	1.70E-03
269	1.2631E-06	3.8823E-06	1.05E-03	4.06E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
270	1.2631E-06	3.0333E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.96E-10	1,000,000	9.96E-04
271	1.2631E-06	4.5952E-07	1.05E-03	4.80E-10	2.00	1.57E-01	1.51E-10	1,000,000	1.51E-04
272	1.2631E-06	5.1844E-07	1.05E-03	5.42E-10	2.00	1.57E-01	1.70E-10	1,000,000	1.70E-04
273	1.2631E-06	6.0052E-07	1.05E-03	6.28E-10	2.00	1.57E-01	1.97E-10	1,000,000	1.97E-04
274	1.2631E-06	7.0568E-07	1.05E-03	7.38E-10	2.00	1.57E-01	2.32E-10	1,000,000	2.32E-04
275	1.2631E-06	8.4871E-07	1.05E-03	8.87E-10	2.00	1.57E-01	2.79E-10	1,000,000	2.79E-04
276	1.2631E-06	1.0637E-06	1.05E-03	1.11E-09	2.00	1.57E-01	3.49E-10	1,000,000	3.49E-04
277	1.2631E-06	1.3513E-06	1.05E-03	1.41E-09	2.00	1.57E-01	4.44E-10	1,000,000	4.44E-04
278	1.2631E-06	1.7359E-06	1.05E-03	1.81E-09	2.00	1.57E-01	5.70E-10	1,000,000	5.70E-04
279	1.2631E-06	2.3793E-06	1.05E-03	2.49E-09	2.00	1.57E-01	7.82E-10	1,000,000	7.82E-04
280	1.2631E-06	3.3383E-06	1.05E-03	3.49E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
281	1.2631E-06	4.9491E-06	1.05E-03	5.17E-09	2.00	1.57E-01	1.63E-09	1,000,000	1.63E-03
282	1.2631E-06	7.8278E-06	1.05E-03	8.18E-09	2.00	1.57E-01	2.57E-09	1,000,000	2.57E-03
283	1.2631E-06	1.3525E-05	1.05E-03	1.41E-08	2.00	1.57E-01	4.44E-09	1,000,000	4.44E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.2631E-06	2.9488E-05	1.05E-03	3.08E-08	2.00	1.57E-01	9.69E-09	1,000,000	9.69E-03
285	1.2631E-06	7.8316E-05	1.05E-03	8.19E-08	2.00	1.57E-01	2.57E-08	1,000,000	2.57E-02
286	1.2631E-06	3.9462E-05	1.05E-03	4.12E-08	2.00	1.57E-01	1.30E-08	1,000,000	1.30E-02
287	1.2631E-06	1.7366E-05	1.05E-03	1.82E-08	2.00	1.57E-01	5.70E-09	1,000,000	5.70E-03
288	1.2631E-06	1.0338E-05	1.05E-03	1.08E-08	2.00	1.57E-01	3.40E-09	1,000,000	3.40E-03
289	1.2631E-06	7.0033E-06	1.05E-03	7.32E-09	2.00	1.57E-01	2.30E-09	1,000,000	2.30E-03
290	1.2631E-06	5.0401E-06	1.05E-03	5.27E-09	2.00	1.57E-01	1.66E-09	1,000,000	1.66E-03
291	1.2631E-06	3.8277E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
292	1.2631E-06	3.0122E-06	1.05E-03	3.15E-09	2.00	1.57E-01	9.89E-10	1,000,000	9.89E-04
293	1.2631E-06	4.1686E-07	1.05E-03	4.36E-10	2.00	1.57E-01	1.37E-10	1,000,000	1.37E-04
294	1.2631E-06	4.7302E-07	1.05E-03	4.94E-10	2.00	1.57E-01	1.55E-10	1,000,000	1.55E-04
295	1.2631E-06	5.4306E-07	1.05E-03	5.68E-10	2.00	1.57E-01	1.78E-10	1,000,000	1.78E-04
296	1.2631E-06	6.2831E-07	1.05E-03	6.57E-10	2.00	1.57E-01	2.06E-10	1,000,000	2.06E-04
297	1.2631E-06	7.6233E-07	1.05E-03	7.97E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04
298	1.2631E-06	9.3647E-07	1.05E-03	9.79E-10	2.00	1.57E-01	3.08E-10	1,000,000	3.08E-04
299	1.2631E-06	1.1853E-06	1.05E-03	1.24E-09	2.00	1.57E-01	3.89E-10	1,000,000	3.89E-04
300	1.2631E-06	1.575E-06	1.05E-03	1.65E-09	2.00	1.57E-01	5.17E-10	1,000,000	5.17E-04
301	1.2631E-06	2.0378E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
302	1.2631E-06	2.9384E-06	1.05E-03	3.07E-09	2.00	1.57E-01	9.65E-10	1,000,000	9.65E-04
303	1.2631E-06	4.2999E-06	1.05E-03	4.49E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
304	1.2631E-06	6.7211E-06	1.05E-03	7.02E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
305	1.2631E-06	1.1267E-05	1.05E-03	1.18E-08	2.00	1.57E-01	3.70E-09	1,000,000	3.70E-03
306	1.2631E-06	2.4503E-05	1.05E-03	2.56E-08	2.00	1.57E-01	8.05E-09	1,000,000	8.05E-03
307	1.2631E-06	6.734E-05	1.05E-03	7.04E-08	2.00	1.57E-01	2.21E-08	1,000,000	2.21E-02
308	1.2631E-06	3.4075E-05	1.05E-03	3.56E-08	2.00	1.57E-01	1.12E-08	1,000,000	1.12E-02
309	1.2631E-06	1.5021E-05	1.05E-03	1.57E-08	2.00	1.57E-01	4.93E-09	1,000,000	4.93E-03
310	1.2631E-06	9.1016E-06	1.05E-03	9.51E-09	2.00	1.57E-01	2.99E-09	1,000,000	2.99E-03
311	1.2631E-06	6.3133E-06	1.05E-03	6.60E-09	2.00	1.57E-01	2.07E-09	1,000,000	2.07E-03
312	1.2631E-06	4.6971E-06	1.05E-03	4.91E-09	2.00	1.57E-01	1.54E-09	1,000,000	1.54E-03
313	1.2631E-06	3.6292E-06	1.05E-03	3.79E-09	2.00	1.57E-01	1.19E-09	1,000,000	1.19E-03
314	1.2631E-06	2.8965E-06	1.05E-03	3.03E-09	2.00	1.57E-01	9.51E-10	1,000,000	9.51E-04
315	1.2631E-06	3.7215E-07	1.05E-03	3.89E-10	2.00	1.57E-01	1.22E-10	1,000,000	1.22E-04
316	1.2631E-06	4.2362E-07	1.05E-03	4.43E-10	2.00	1.57E-01	1.39E-10	1,000,000	1.39E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.2631E-06	4.8516E-07	1.05E-03	5.07E-10	2.00	1.57E-01	1.59E-10	1,000,000	1.59E-04
318	1.2631E-06	5.6066E-07	1.05E-03	5.86E-10	2.00	1.57E-01	1.84E-10	1,000,000	1.84E-04
319	1.2631E-06	6.532E-07	1.05E-03	6.83E-10	2.00	1.57E-01	2.15E-10	1,000,000	2.15E-04
320	1.2631E-06	8.3049E-07	1.05E-03	8.68E-10	2.00	1.57E-01	2.73E-10	1,000,000	2.73E-04
321	1.2631E-06	1.0209E-06	1.05E-03	1.07E-09	2.00	1.57E-01	3.35E-10	1,000,000	3.35E-04
322	1.2631E-06	1.3189E-06	1.05E-03	1.38E-09	2.00	1.57E-01	4.33E-10	1,000,000	4.33E-04
323	1.2631E-06	1.7891E-06	1.05E-03	1.87E-09	2.00	1.57E-01	5.88E-10	1,000,000	5.88E-04
324	1.2631E-06	2.4518E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.05E-10	1,000,000	8.05E-04
325	1.2631E-06	3.5403E-06	1.05E-03	3.70E-09	2.00	1.57E-01	1.16E-09	1,000,000	1.16E-03
326	1.2631E-06	5.3216E-06	1.05E-03	5.56E-09	2.00	1.57E-01	1.75E-09	1,000,000	1.75E-03
327	1.2631E-06	8.7215E-06	1.05E-03	9.12E-09	2.00	1.57E-01	2.86E-09	1,000,000	2.86E-03
328	1.2631E-06	1.4749E-05	1.05E-03	1.54E-08	2.00	1.57E-01	4.85E-09	1,000,000	4.85E-03
329	1.2631E-06	3.7117E-05	1.05E-03	3.88E-08	2.00	1.57E-01	1.22E-08	1,000,000	1.22E-02
330	1.2631E-06	1.9259E-05	1.05E-03	2.01E-08	2.00	1.57E-01	6.33E-09	1,000,000	6.33E-03
331	1.2631E-06	1.0786E-05	1.05E-03	1.13E-08	2.00	1.57E-01	3.54E-09	1,000,000	3.54E-03
332	1.2631E-06	7.2661E-06	1.05E-03	7.59E-09	2.00	1.57E-01	2.39E-09	1,000,000	2.39E-03
333	1.2631E-06	5.3114E-06	1.05E-03	5.55E-09	2.00	1.57E-01	1.74E-09	1,000,000	1.74E-03
334	1.2631E-06	4.1307E-06	1.05E-03	4.32E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
335	1.2631E-06	3.3048E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
336	1.2631E-06	2.7064E-06	1.05E-03	2.83E-09	2.00	1.57E-01	8.89E-10	1,000,000	8.89E-04
337	1.2631E-06	3.4256E-07	1.05E-03	3.58E-10	2.00	1.57E-01	1.13E-10	1,000,000	1.13E-04
338	1.2631E-06	3.8587E-07	1.05E-03	4.03E-10	2.00	1.57E-01	1.27E-10	1,000,000	1.27E-04
339	1.2631E-06	4.3407E-07	1.05E-03	4.54E-10	2.00	1.57E-01	1.43E-10	1,000,000	1.43E-04
340	1.2631E-06	5.0768E-07	1.05E-03	5.31E-10	2.00	1.57E-01	1.67E-10	1,000,000	1.67E-04
341	1.2631E-06	5.8823E-07	1.05E-03	6.15E-10	2.00	1.57E-01	1.93E-10	1,000,000	1.93E-04
342	1.2631E-06	7.3227E-07	1.05E-03	7.65E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
343	1.2631E-06	8.8102E-07	1.05E-03	9.21E-10	2.00	1.57E-01	2.89E-10	1,000,000	2.89E-04
344	1.2631E-06	1.1228E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.69E-10	1,000,000	3.69E-04
345	1.2631E-06	1.4763E-06	1.05E-03	1.54E-09	2.00	1.57E-01	4.85E-10	1,000,000	4.85E-04
346	1.2631E-06	2.0279E-06	1.05E-03	2.12E-09	2.00	1.57E-01	6.66E-10	1,000,000	6.66E-04
347	1.2631E-06	2.7329E-06	1.05E-03	2.86E-09	2.00	1.57E-01	8.98E-10	1,000,000	8.98E-04
348	1.2631E-06	3.8944E-06	1.05E-03	4.07E-09	2.00	1.57E-01	1.28E-09	1,000,000	1.28E-03
349	1.2631E-06	5.0129E-06	1.05E-03	5.24E-09	2.00	1.57E-01	1.65E-09	1,000,000	1.65E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.2631E-06	7.162E-06	1.05E-03	7.49E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
351	1.2631E-06	9.1377E-06	1.05E-03	9.55E-09	2.00	1.57E-01	3.00E-09	1,000,000	3.00E-03
352	1.2631E-06	8.1941E-06	1.05E-03	8.56E-09	2.00	1.57E-01	2.69E-09	1,000,000	2.69E-03
353	1.2631E-06	6.7014E-06	1.05E-03	7.00E-09	2.00	1.57E-01	2.20E-09	1,000,000	2.20E-03
354	1.2631E-06	5.2157E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
355	1.2631E-06	4.1954E-06	1.05E-03	4.39E-09	2.00	1.57E-01	1.38E-09	1,000,000	1.38E-03
356	1.2631E-06	3.4447E-06	1.05E-03	3.60E-09	2.00	1.57E-01	1.13E-09	1,000,000	1.13E-03
357	1.2631E-06	2.8624E-06	1.05E-03	2.99E-09	2.00	1.57E-01	9.40E-10	1,000,000	9.40E-04
358	1.2631E-06	2.4141E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.93E-10	1,000,000	7.93E-04
359	1.2631E-06	3.0968E-07	1.05E-03	3.24E-10	2.00	1.57E-01	1.02E-10	1,000,000	1.02E-04
360	1.2631E-06	3.5003E-07	1.05E-03	3.66E-10	2.00	1.57E-01	1.15E-10	1,000,000	1.15E-04
361	1.2631E-06	3.9557E-07	1.05E-03	4.13E-10	2.00	1.57E-01	1.30E-10	1,000,000	1.30E-04
362	1.2631E-06	4.5195E-07	1.05E-03	4.72E-10	2.00	1.57E-01	1.48E-10	1,000,000	1.48E-04
363	1.2631E-06	5.181E-07	1.05E-03	5.42E-10	2.00	1.57E-01	1.70E-10	1,000,000	1.70E-04
364	1.2631E-06	6.2325E-07	1.05E-03	6.51E-10	2.00	1.57E-01	2.05E-10	1,000,000	2.05E-04
365	1.2631E-06	7.6007E-07	1.05E-03	7.94E-10	2.00	1.57E-01	2.50E-10	1,000,000	2.50E-04
366	1.2631E-06	9.5274E-07	1.05E-03	9.96E-10	2.00	1.57E-01	3.13E-10	1,000,000	3.13E-04
367	1.2631E-06	1.2489E-06	1.05E-03	1.31E-09	2.00	1.57E-01	4.10E-10	1,000,000	4.10E-04
368	1.2631E-06	1.6106E-06	1.05E-03	1.68E-09	2.00	1.57E-01	5.29E-10	1,000,000	5.29E-04
369	1.2631E-06	2.0378E-06	1.05E-03	2.13E-09	2.00	1.57E-01	6.69E-10	1,000,000	6.69E-04
370	1.2631E-06	2.5366E-06	1.05E-03	2.65E-09	2.00	1.57E-01	8.33E-10	1,000,000	8.33E-04
371	1.2631E-06	3.2668E-06	1.05E-03	3.41E-09	2.00	1.57E-01	1.07E-09	1,000,000	1.07E-03
372	1.2631E-06	4.0137E-06	1.05E-03	4.20E-09	2.00	1.57E-01	1.32E-09	1,000,000	1.32E-03
373	1.2631E-06	4.3889E-06	1.05E-03	4.59E-09	2.00	1.57E-01	1.44E-09	1,000,000	1.44E-03
374	1.2631E-06	4.2546E-06	1.05E-03	4.45E-09	2.00	1.57E-01	1.40E-09	1,000,000	1.40E-03
375	1.2631E-06	4.1039E-06	1.05E-03	4.29E-09	2.00	1.57E-01	1.35E-09	1,000,000	1.35E-03
376	1.2631E-06	3.597E-06	1.05E-03	3.76E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
377	1.2631E-06	3.1464E-06	1.05E-03	3.29E-09	2.00	1.57E-01	1.03E-09	1,000,000	1.03E-03
378	1.2631E-06	2.7839E-06	1.05E-03	2.91E-09	2.00	1.57E-01	9.14E-10	1,000,000	9.14E-04
379	1.2631E-06	2.4146E-06	1.05E-03	2.52E-09	2.00	1.57E-01	7.93E-10	1,000,000	7.93E-04
380	1.2631E-06	2.0899E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.87E-10	1,000,000	6.87E-04
381	1.2631E-06	7.2192E-07	1.05E-03	7.55E-10	2.00	1.57E-01	2.37E-10	1,000,000	2.37E-04
382	1.2631E-06	7.9039E-07	1.05E-03	8.26E-10	2.00	1.57E-01	2.60E-10	1,000,000	2.60E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.2631E-06	8.6768E-07	1.05E-03	9.07E-10	2.00	1.57E-01	2.85E-10	1,000,000	2.85E-04
384	1.2631E-06	9.548E-07	1.05E-03	9.98E-10	2.00	1.57E-01	3.14E-10	1,000,000	3.14E-04
385	1.2631E-06	1.0528E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
386	1.2631E-06	1.1616E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.82E-10	1,000,000	3.82E-04
387	1.2631E-06	1.2806E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.21E-10	1,000,000	4.21E-04
388	1.2631E-06	1.4095E-06	1.05E-03	1.47E-09	2.00	1.57E-01	4.63E-10	1,000,000	4.63E-04
389	1.2631E-06	1.544E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
390	1.2631E-06	1.6773E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.51E-10	1,000,000	5.51E-04
391	1.2631E-06	1.798E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.91E-10	1,000,000	5.91E-04
392	1.2631E-06	1.8924E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.22E-10	1,000,000	6.22E-04
393	1.2631E-06	1.9449E-06	1.05E-03	2.03E-09	2.00	1.57E-01	6.39E-10	1,000,000	6.39E-04
394	1.2631E-06	1.9477E-06	1.05E-03	2.04E-09	2.00	1.57E-01	6.40E-10	1,000,000	6.40E-04
395	1.2631E-06	1.893E-06	1.05E-03	1.98E-09	2.00	1.57E-01	6.22E-10	1,000,000	6.22E-04
396	1.2631E-06	1.7967E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.90E-10	1,000,000	5.90E-04
397	1.2631E-06	1.6737E-06	1.05E-03	1.75E-09	2.00	1.57E-01	5.50E-10	1,000,000	5.50E-04
398	1.2631E-06	1.5374E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.05E-10	1,000,000	5.05E-04
399	1.2631E-06	7.6605E-07	1.05E-03	8.01E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
400	1.2631E-06	8.4475E-07	1.05E-03	8.83E-10	2.00	1.57E-01	2.77E-10	1,000,000	2.77E-04
401	1.2631E-06	9.3522E-07	1.05E-03	9.77E-10	2.00	1.57E-01	3.07E-10	1,000,000	3.07E-04
402	1.2631E-06	1.0392E-06	1.05E-03	1.09E-09	2.00	1.57E-01	3.41E-10	1,000,000	3.41E-04
403	1.2631E-06	1.1583E-06	1.05E-03	1.21E-09	2.00	1.57E-01	3.80E-10	1,000,000	3.80E-04
404	1.2631E-06	1.2941E-06	1.05E-03	1.35E-09	2.00	1.57E-01	4.25E-10	1,000,000	4.25E-04
405	1.2631E-06	1.4488E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.76E-10	1,000,000	4.76E-04
406	1.2631E-06	1.6226E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.33E-10	1,000,000	5.33E-04
407	1.2631E-06	1.8124E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.95E-10	1,000,000	5.95E-04
408	1.2631E-06	2.0119E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.61E-10	1,000,000	6.61E-04
409	1.2631E-06	2.2021E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.23E-10	1,000,000	7.23E-04
410	1.2631E-06	2.3553E-06	1.05E-03	2.46E-09	2.00	1.57E-01	7.74E-10	1,000,000	7.74E-04
411	1.2631E-06	2.447E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.04E-10	1,000,000	8.04E-04
412	1.2631E-06	2.4525E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
413	1.2631E-06	2.3612E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.76E-10	1,000,000	7.76E-04
414	1.2631E-06	2.2037E-06	1.05E-03	2.30E-09	2.00	1.57E-01	7.24E-10	1,000,000	7.24E-04
415	1.2631E-06	2.0094E-06	1.05E-03	2.10E-09	2.00	1.57E-01	6.60E-10	1,000,000	6.60E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.2631E-06	1.8014E-06	1.05E-03	1.88E-09	2.00	1.57E-01	5.92E-10	1,000,000	5.92E-04
417	1.2631E-06	8.099E-07	1.05E-03	8.47E-10	2.00	1.57E-01	2.66E-10	1,000,000	2.66E-04
418	1.2631E-06	8.995E-07	1.05E-03	9.40E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
419	1.2631E-06	1.0042E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.30E-10	1,000,000	3.30E-04
420	1.2631E-06	1.127E-06	1.05E-03	1.18E-09	2.00	1.57E-01	3.70E-10	1,000,000	3.70E-04
421	1.2631E-06	1.2715E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.18E-10	1,000,000	4.18E-04
422	1.2631E-06	1.4421E-06	1.05E-03	1.51E-09	2.00	1.57E-01	4.74E-10	1,000,000	4.74E-04
423	1.2631E-06	1.6433E-06	1.05E-03	1.72E-09	2.00	1.57E-01	5.40E-10	1,000,000	5.40E-04
424	1.2631E-06	1.8787E-06	1.05E-03	1.96E-09	2.00	1.57E-01	6.17E-10	1,000,000	6.17E-04
425	1.2631E-06	2.1489E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.06E-10	1,000,000	7.06E-04
426	1.2631E-06	2.4524E-06	1.05E-03	2.56E-09	2.00	1.57E-01	8.06E-10	1,000,000	8.06E-04
427	1.2631E-06	2.7632E-06	1.05E-03	2.89E-09	2.00	1.57E-01	9.08E-10	1,000,000	9.08E-04
428	1.2631E-06	3.0426E-06	1.05E-03	3.18E-09	2.00	1.57E-01	9.99E-10	1,000,000	9.99E-04
429	1.2631E-06	3.2167E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
430	1.2631E-06	3.2181E-06	1.05E-03	3.36E-09	2.00	1.57E-01	1.06E-09	1,000,000	1.06E-03
431	1.2631E-06	3.0486E-06	1.05E-03	3.19E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
432	1.2631E-06	2.77E-06	1.05E-03	2.90E-09	2.00	1.57E-01	9.10E-10	1,000,000	9.10E-04
433	1.2631E-06	2.463E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.09E-10	1,000,000	8.09E-04
434	1.2631E-06	2.1507E-06	1.05E-03	2.25E-09	2.00	1.57E-01	7.06E-10	1,000,000	7.06E-04
435	1.2631E-06	8.2495E-07	1.05E-03	8.62E-10	2.00	1.57E-01	2.71E-10	1,000,000	2.71E-04
436	1.2631E-06	9.4201E-07	1.05E-03	9.85E-10	2.00	1.57E-01	3.09E-10	1,000,000	3.09E-04
437	1.2631E-06	1.073E-06	1.05E-03	1.12E-09	2.00	1.57E-01	3.52E-10	1,000,000	3.52E-04
438	1.2631E-06	1.2164E-06	1.05E-03	1.27E-09	2.00	1.57E-01	4.00E-10	1,000,000	4.00E-04
439	1.2631E-06	1.3896E-06	1.05E-03	1.45E-09	2.00	1.57E-01	4.56E-10	1,000,000	4.56E-04
440	1.2631E-06	1.6003E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
441	1.2631E-06	1.8583E-06	1.05E-03	1.94E-09	2.00	1.57E-01	6.10E-10	1,000,000	6.10E-04
442	1.2631E-06	2.1758E-06	1.05E-03	2.27E-09	2.00	1.57E-01	7.15E-10	1,000,000	7.15E-04
443	1.2631E-06	2.5659E-06	1.05E-03	2.68E-09	2.00	1.57E-01	8.43E-10	1,000,000	8.43E-04
444	1.2631E-06	3.0374E-06	1.05E-03	3.17E-09	2.00	1.57E-01	9.98E-10	1,000,000	9.98E-04
445	1.2631E-06	3.5809E-06	1.05E-03	3.74E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
446	1.2631E-06	4.1338E-06	1.05E-03	4.32E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
447	1.2631E-06	4.5216E-06	1.05E-03	4.73E-09	2.00	1.57E-01	1.49E-09	1,000,000	1.49E-03
448	1.2631E-06	4.5169E-06	1.05E-03	4.72E-09	2.00	1.57E-01	1.48E-09	1,000,000	1.48E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.2631E-06	4.1469E-06	1.05E-03	4.33E-09	2.00	1.57E-01	1.36E-09	1,000,000	1.36E-03
450	1.2631E-06	3.6073E-06	1.05E-03	3.77E-09	2.00	1.57E-01	1.18E-09	1,000,000	1.18E-03
451	1.2631E-06	3.0444E-06	1.05E-03	3.18E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
452	1.2631E-06	2.5762E-06	1.05E-03	2.69E-09	2.00	1.57E-01	8.46E-10	1,000,000	8.46E-04
453	1.2631E-06	8.3424E-07	1.05E-03	8.72E-10	2.00	1.57E-01	2.74E-10	1,000,000	2.74E-04
454	1.2631E-06	9.4942E-07	1.05E-03	9.92E-10	2.00	1.57E-01	3.12E-10	1,000,000	3.12E-04
455	1.2631E-06	1.1039E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
456	1.2631E-06	1.2994E-06	1.05E-03	1.36E-09	2.00	1.57E-01	4.27E-10	1,000,000	4.27E-04
457	1.2631E-06	1.5076E-06	1.05E-03	1.58E-09	2.00	1.57E-01	4.95E-10	1,000,000	4.95E-04
458	1.2631E-06	1.7629E-06	1.05E-03	1.84E-09	2.00	1.57E-01	5.79E-10	1,000,000	5.79E-04
459	1.2631E-06	2.0875E-06	1.05E-03	2.18E-09	2.00	1.57E-01	6.86E-10	1,000,000	6.86E-04
460	1.2631E-06	2.5074E-06	1.05E-03	2.62E-09	2.00	1.57E-01	8.24E-10	1,000,000	8.24E-04
461	1.2631E-06	3.0592E-06	1.05E-03	3.20E-09	2.00	1.57E-01	1.00E-09	1,000,000	1.00E-03
462	1.2631E-06	3.797E-06	1.05E-03	3.97E-09	2.00	1.57E-01	1.25E-09	1,000,000	1.25E-03
463	1.2631E-06	4.7849E-06	1.05E-03	5.00E-09	2.00	1.57E-01	1.57E-09	1,000,000	1.57E-03
464	1.2631E-06	6.0234E-06	1.05E-03	6.30E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
465	1.2631E-06	7.1372E-06	1.05E-03	7.46E-09	2.00	1.57E-01	2.34E-09	1,000,000	2.34E-03
466	1.2631E-06	7.1465E-06	1.05E-03	7.47E-09	2.00	1.57E-01	2.35E-09	1,000,000	2.35E-03
467	1.2631E-06	6.0639E-06	1.05E-03	6.34E-09	2.00	1.57E-01	1.99E-09	1,000,000	1.99E-03
468	1.2631E-06	4.8371E-06	1.05E-03	5.06E-09	2.00	1.57E-01	1.59E-09	1,000,000	1.59E-03
469	1.2631E-06	3.8489E-06	1.05E-03	4.02E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
470	1.2631E-06	3.1064E-06	1.05E-03	3.25E-09	2.00	1.57E-01	1.02E-09	1,000,000	1.02E-03
471	1.2631E-06	8.2421E-07	1.05E-03	8.61E-10	2.00	1.57E-01	2.71E-10	1,000,000	2.71E-04
472	1.2631E-06	9.6154E-07	1.05E-03	1.01E-09	2.00	1.57E-01	3.16E-10	1,000,000	3.16E-04
473	1.2631E-06	1.1214E-06	1.05E-03	1.17E-09	2.00	1.57E-01	3.68E-10	1,000,000	3.68E-04
474	1.2631E-06	1.3086E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
475	1.2631E-06	1.5422E-06	1.05E-03	1.61E-09	2.00	1.57E-01	5.07E-10	1,000,000	5.07E-04
476	1.2631E-06	1.4607E-05	1.05E-03	1.53E-08	2.00	1.57E-01	4.80E-09	1,000,000	4.80E-03
477	1.2631E-06	9.645E-06	1.05E-03	1.01E-08	2.00	1.57E-01	3.17E-09	1,000,000	3.17E-03
478	1.2631E-06	6.7143E-06	1.05E-03	7.02E-09	2.00	1.57E-01	2.21E-09	1,000,000	2.21E-03
479	1.2631E-06	4.9141E-06	1.05E-03	5.14E-09	2.00	1.57E-01	1.61E-09	1,000,000	1.61E-03
480	1.2631E-06	3.7494E-06	1.05E-03	3.92E-09	2.00	1.57E-01	1.23E-09	1,000,000	1.23E-03
481	1.2631E-06	8.0619E-07	1.05E-03	8.43E-10	2.00	1.57E-01	2.65E-10	1,000,000	2.65E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.2631E-06	9.5312E-07	1.05E-03	9.96E-10	2.00	1.57E-01	3.13E-10	1,000,000	3.13E-04
483	1.2631E-06	1.1061E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.63E-10	1,000,000	3.63E-04
484	1.2631E-06	1.3077E-06	1.05E-03	1.37E-09	2.00	1.57E-01	4.30E-10	1,000,000	4.30E-04
485	1.2631E-06	1.5998E-06	1.05E-03	1.67E-09	2.00	1.57E-01	5.26E-10	1,000,000	5.26E-04
486	1.2631E-06	5.0697E-05	1.05E-03	5.30E-08	2.00	1.57E-01	1.67E-08	1,000,000	1.67E-02
487	1.2631E-06	1.6443E-05	1.05E-03	1.72E-08	2.00	1.57E-01	5.40E-09	1,000,000	5.40E-03
488	1.2631E-06	9.2525E-06	1.05E-03	9.67E-09	2.00	1.57E-01	3.04E-09	1,000,000	3.04E-03
489	1.2631E-06	6.1976E-06	1.05E-03	6.48E-09	2.00	1.57E-01	2.04E-09	1,000,000	2.04E-03
490	1.2631E-06	4.4901E-06	1.05E-03	4.69E-09	2.00	1.57E-01	1.47E-09	1,000,000	1.47E-03
491	1.2631E-06	7.6584E-07	1.05E-03	8.00E-10	2.00	1.57E-01	2.52E-10	1,000,000	2.52E-04
492	1.2631E-06	9.0508E-07	1.05E-03	9.46E-10	2.00	1.57E-01	2.97E-10	1,000,000	2.97E-04
493	1.2631E-06	1.0536E-06	1.05E-03	1.10E-09	2.00	1.57E-01	3.46E-10	1,000,000	3.46E-04
494	1.2631E-06	1.2702E-06	1.05E-03	1.33E-09	2.00	1.57E-01	4.17E-10	1,000,000	4.17E-04
495	1.2631E-06	1.5709E-06	1.05E-03	1.64E-09	2.00	1.57E-01	5.16E-10	1,000,000	5.16E-04
496	1.2631E-06	3.3575E-06	1.05E-03	3.51E-09	2.00	1.57E-01	1.10E-09	1,000,000	1.10E-03
497	1.2631E-06	4.4252E-06	1.05E-03	4.63E-09	2.00	1.57E-01	1.45E-09	1,000,000	1.45E-03
498	1.2631E-06	5.6404E-05	1.05E-03	5.90E-08	2.00	1.57E-01	1.85E-08	1,000,000	1.85E-02
499	1.2631E-06	8.0067E-05	1.05E-03	8.37E-08	2.00	1.57E-01	2.63E-08	1,000,000	2.63E-02
500	1.2631E-06	2.2826E-05	1.05E-03	2.39E-08	2.00	1.57E-01	7.50E-09	1,000,000	7.50E-03
501	1.2631E-06	1.1858E-05	1.05E-03	1.24E-08	2.00	1.57E-01	3.90E-09	1,000,000	3.90E-03
502	1.2631E-06	7.474E-06	1.05E-03	7.81E-09	2.00	1.57E-01	2.46E-09	1,000,000	2.46E-03
503	1.2631E-06	5.2134E-06	1.05E-03	5.45E-09	2.00	1.57E-01	1.71E-09	1,000,000	1.71E-03
504	1.2631E-06	7.1283E-07	1.05E-03	7.45E-10	2.00	1.57E-01	2.34E-10	1,000,000	2.34E-04
505	1.2631E-06	8.1907E-07	1.05E-03	8.56E-10	2.00	1.57E-01	2.69E-10	1,000,000	2.69E-04
506	1.2631E-06	1.0076E-06	1.05E-03	1.05E-09	2.00	1.57E-01	3.31E-10	1,000,000	3.31E-04
507	1.2631E-06	1.193E-06	1.05E-03	1.25E-09	2.00	1.57E-01	3.92E-10	1,000,000	3.92E-04
508	1.2631E-06	1.5211E-06	1.05E-03	1.59E-09	2.00	1.57E-01	5.00E-10	1,000,000	5.00E-04
509	1.2631E-06	1.911E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.28E-10	1,000,000	6.28E-04
510	1.2631E-06	2.4599E-06	1.05E-03	2.57E-09	2.00	1.57E-01	8.08E-10	1,000,000	8.08E-04
511	1.2631E-06	3.3032E-06	1.05E-03	3.45E-09	2.00	1.57E-01	1.09E-09	1,000,000	1.09E-03
512	1.2631E-06	4.6313E-06	1.05E-03	4.84E-09	2.00	1.57E-01	1.52E-09	1,000,000	1.52E-03
513	1.2631E-06	6.8027E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
514	1.2631E-06	1.1083E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.64E-09	1,000,000	3.64E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from Birth to 2 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.2631E-06	2.0672E-05	1.05E-03	2.16E-08	2.00	1.57E-01	6.79E-09	1,000,000	6.79E-03
516	1.2631E-06	6.1045E-05	1.05E-03	6.38E-08	2.00	1.57E-01	2.01E-08	1,000,000	2.01E-02
517	1.2631E-06	8.3887E-05	1.05E-03	8.77E-08	2.00	1.57E-01	2.76E-08	1,000,000	2.76E-02
518	1.2631E-06	2.5627E-05	1.05E-03	2.68E-08	2.00	1.57E-01	8.42E-09	1,000,000	8.42E-03
519	1.2631E-06	1.3432E-05	1.05E-03	1.40E-08	2.00	1.57E-01	4.41E-09	1,000,000	4.41E-03
520	1.2631E-06	8.389E-06	1.05E-03	8.77E-09	2.00	1.57E-01	2.76E-09	1,000,000	2.76E-03
521	1.2631E-06	5.7705E-06	1.05E-03	6.03E-09	2.00	1.57E-01	1.90E-09	1,000,000	1.90E-03
522	1.2631E-06	6.4845E-07	1.05E-03	6.78E-10	2.00	1.57E-01	2.13E-10	1,000,000	2.13E-04
523	1.2631E-06	7.6924E-07	1.05E-03	8.04E-10	2.00	1.57E-01	2.53E-10	1,000,000	2.53E-04
524	1.2631E-06	9.2097E-07	1.05E-03	9.63E-10	2.00	1.57E-01	3.03E-10	1,000,000	3.03E-04
525	1.2631E-06	1.1135E-06	1.05E-03	1.16E-09	2.00	1.57E-01	3.66E-10	1,000,000	3.66E-04
526	1.2631E-06	1.3313E-06	1.05E-03	1.39E-09	2.00	1.57E-01	4.37E-10	1,000,000	4.37E-04
527	1.2631E-06	1.8053E-06	1.05E-03	1.89E-09	2.00	1.57E-01	5.93E-10	1,000,000	5.93E-04
528	1.2631E-06	2.3604E-06	1.05E-03	2.47E-09	2.00	1.57E-01	7.75E-10	1,000,000	7.75E-04
529	1.2631E-06	3.2072E-06	1.05E-03	3.35E-09	2.00	1.57E-01	1.05E-09	1,000,000	1.05E-03
530	1.2631E-06	4.5735E-06	1.05E-03	4.78E-09	2.00	1.57E-01	1.50E-09	1,000,000	1.50E-03
531	1.2631E-06	6.7979E-06	1.05E-03	7.11E-09	2.00	1.57E-01	2.23E-09	1,000,000	2.23E-03
532	1.2631E-06	1.1103E-05	1.05E-03	1.16E-08	2.00	1.57E-01	3.65E-09	1,000,000	3.65E-03
533	1.2631E-06	2.1215E-05	1.05E-03	2.22E-08	2.00	1.57E-01	6.97E-09	1,000,000	6.97E-03
534	1.2631E-06	6.2359E-05	1.05E-03	6.52E-08	2.00	1.57E-01	2.05E-08	1,000,000	2.05E-02
535	1.2631E-06	8.3403E-05	1.05E-03	8.72E-08	2.00	1.57E-01	2.74E-08	1,000,000	2.74E-02
536	1.2631E-06	2.6294E-05	1.05E-03	2.75E-08	2.00	1.57E-01	8.64E-09	1,000,000	8.64E-03
537	1.2631E-06	1.3954E-05	1.05E-03	1.46E-08	2.00	1.57E-01	4.58E-09	1,000,000	4.58E-03
538	1.2631E-06	8.7747E-06	1.05E-03	9.17E-09	2.00	1.57E-01	2.88E-09	1,000,000	2.88E-03
539	1.2631E-06	6.0394E-06	1.05E-03	6.31E-09	2.00	1.57E-01	1.98E-09	1,000,000	1.98E-03
540	1.2631E-06	5.8778E-07	1.05E-03	6.14E-10	2.00	1.57E-01	1.93E-10	1,000,000	1.93E-04
541	1.2631E-06	6.9667E-07	1.05E-03	7.28E-10	2.00	1.57E-01	2.29E-10	1,000,000	2.29E-04
542	1.2631E-06	8.3194E-07	1.05E-03	8.70E-10	2.00	1.57E-01	2.73E-10	1,000,000	2.73E-04
543	1.2631E-06	1.0094E-06	1.05E-03	1.06E-09	2.00	1.57E-01	3.32E-10	1,000,000	3.32E-04
544	1.2631E-06	1.285E-06	1.05E-03	1.34E-09	2.00	1.57E-01	4.22E-10	1,000,000	4.22E-04
545	1.2631E-06	1.6255E-06	1.05E-03	1.70E-09	2.00	1.57E-01	5.34E-10	1,000,000	5.34E-04
546	1.2631E-06	2.1794E-06	1.05E-03	2.28E-09	2.00	1.57E-01	7.16E-10	1,000,000	7.16E-04
547	1.2631E-06	2.9558E-06	1.05E-03	3.09E-09	2.00	1.57E-01	9.71E-10	1,000,000	9.71E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

				Cancer Risk from Birth to 2 years					
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.2631E-06	4.2788E-06	1.05E-03	4.47E-09	2.00	1.57E-01	1.41E-09	1,000,000	1.41E-03
549	1.2631E-06	6.4472E-06	1.05E-03	6.74E-09	2.00	1.57E-01	2.12E-09	1,000,000	2.12E-03
550	1.2631E-06	1.064E-05	1.05E-03	1.11E-08	2.00	1.57E-01	3.50E-09	1,000,000	3.50E-03
551	1.2631E-06	2.0373E-05	1.05E-03	2.13E-08	2.00	1.57E-01	6.69E-09	1,000,000	6.69E-03
552	1.2631E-06	6.0337E-05	1.05E-03	6.31E-08	2.00	1.57E-01	1.98E-08	1,000,000	1.98E-02
553	1.2631E-06	8.3444E-05	1.05E-03	8.72E-08	2.00	1.57E-01	2.74E-08	1,000,000	2.74E-02
554	1.2631E-06	2.5522E-05	1.05E-03	2.67E-08	2.00	1.57E-01	8.38E-09	1,000,000	8.38E-03
555	1.2631E-06	1.3623E-05	1.05E-03	1.42E-08	2.00	1.57E-01	4.47E-09	1,000,000	4.47E-03
556	1.2631E-06	8.641E-06	1.05E-03	9.03E-09	2.00	1.57E-01	2.84E-09	1,000,000	2.84E-03
557	1.2631E-06	6.0097E-06	1.05E-03	6.28E-09	2.00	1.57E-01	1.97E-09	1,000,000	1.97E-03
558	1.2631E-06	5.3373E-07	1.05E-03	5.58E-10	2.00	1.57E-01	1.75E-10	1,000,000	1.75E-04
559	1.2631E-06	6.3137E-07	1.05E-03	6.60E-10	2.00	1.57E-01	2.07E-10	1,000,000	2.07E-04
560	1.2631E-06	7.338E-07	1.05E-03	7.67E-10	2.00	1.57E-01	2.41E-10	1,000,000	2.41E-04
561	1.2631E-06	8.9937E-07	1.05E-03	9.40E-10	2.00	1.57E-01	2.95E-10	1,000,000	2.95E-04
562	1.2631E-06	1.0958E-06	1.05E-03	1.15E-09	2.00	1.57E-01	3.60E-10	1,000,000	3.60E-04
563	1.2631E-06	1.3995E-06	1.05E-03	1.46E-09	2.00	1.57E-01	4.60E-10	1,000,000	4.60E-04
564	1.2631E-06	1.9139E-06	1.05E-03	2.00E-09	2.00	1.57E-01	6.29E-10	1,000,000	6.29E-04
565	1.2631E-06	2.6093E-06	1.05E-03	2.73E-09	2.00	1.57E-01	8.57E-10	1,000,000	8.57E-04
566	1.2631E-06	3.8304E-06	1.05E-03	4.00E-09	2.00	1.57E-01	1.26E-09	1,000,000	1.26E-03
567	1.2631E-06	5.7514E-06	1.05E-03	6.01E-09	2.00	1.57E-01	1.89E-09	1,000,000	1.89E-03
568	1.2631E-06	9.4578E-06	1.05E-03	9.89E-09	2.00	1.57E-01	3.11E-09	1,000,000	3.11E-03
569	1.2631E-06	1.749E-05	1.05E-03	1.83E-08	2.00	1.57E-01	5.75E-09	1,000,000	5.75E-03
570	1.2631E-06	5.4224E-05	1.05E-03	5.67E-08	2.00	1.57E-01	1.78E-08	1,000,000	1.78E-02
571	1.2631E-06	8.2303E-05	1.05E-03	8.60E-08	2.00	1.57E-01	2.70E-08	1,000,000	2.70E-02
572	1.2631E-06	2.3349E-05	1.05E-03	2.44E-08	2.00	1.57E-01	7.67E-09	1,000,000	7.67E-03
573	1.2631E-06	1.2392E-05	1.05E-03	1.30E-08	2.00	1.57E-01	4.07E-09	1,000,000	4.07E-03
574	1.2631E-06	8.013E-06	1.05E-03	8.38E-09	2.00	1.57E-01	2.63E-09	1,000,000	2.63E-03
575	1.2631E-06	5.6906E-06	1.05E-03	5.95E-09	2.00	1.57E-01	1.87E-09	1,000,000	1.87E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
1	1.2631E-06	5.5212E-07	6.05E-04	3.34E-10	14.00	4.71E-02	2.20E-10	1,000,000	2.2E-04
2	1.2631E-06	5.935E-07	6.05E-04	3.59E-10	14.00	4.71E-02	2.37E-10	1,000,000	2.37E-04
3	1.2631E-06	6.3875E-07	6.05E-04	3.86E-10	14.00	4.71E-02	2.55E-10	1,000,000	2.55E-04
4	1.2631E-06	6.8782E-07	6.05E-04	4.16E-10	14.00	4.71E-02	2.75E-10	1,000,000	2.75E-04
5	1.2631E-06	7.4112E-07	6.05E-04	4.48E-10	14.00	4.71E-02	2.96E-10	1,000,000	2.96E-04
6	1.2631E-06	7.9848E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
7	1.2631E-06	8.5881E-07	6.05E-04	5.20E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
8	1.2631E-06	9.2165E-07	6.05E-04	5.58E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
9	1.2631E-06	9.861E-07	6.05E-04	5.97E-10	14.00	4.71E-02	3.94E-10	1,000,000	3.94E-04
10	1.2631E-06	1.0493E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
11	1.2631E-06	1.1084E-06	6.05E-04	6.71E-10	14.00	4.71E-02	4.43E-10	1,000,000	4.43E-04
12	1.2631E-06	1.1603E-06	6.05E-04	7.02E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
13	1.2631E-06	1.2013E-06	6.05E-04	7.27E-10	14.00	4.71E-02	4.80E-10	1,000,000	4.80E-04
14	1.2631E-06	1.2276E-06	6.05E-04	7.43E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
15	1.2631E-06	1.2368E-06	6.05E-04	7.48E-10	14.00	4.71E-02	4.94E-10	1,000,000	4.94E-04
16	1.2631E-06	1.2265E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.90E-10	1,000,000	4.90E-04
17	1.2631E-06	1.2005E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
18	1.2631E-06	1.1589E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
19	1.2631E-06	1.1045E-06	6.05E-04	6.68E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
20	1.2631E-06	1.0452E-06	6.05E-04	6.32E-10	14.00	4.71E-02	4.17E-10	1,000,000	4.17E-04
21	1.2631E-06	9.8149E-07	6.05E-04	5.94E-10	14.00	4.71E-02	3.92E-10	1,000,000	3.92E-04
22	1.2631E-06	9.1559E-07	6.05E-04	5.54E-10	14.00	4.71E-02	3.66E-10	1,000,000	3.66E-04
23	1.2631E-06	5.8415E-07	6.05E-04	3.53E-10	14.00	4.71E-02	2.33E-10	1,000,000	2.33E-04
24	1.2631E-06	6.3139E-07	6.05E-04	3.82E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
25	1.2631E-06	6.8363E-07	6.05E-04	4.14E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.73E-04
26	1.2631E-06	7.413E-07	6.05E-04	4.49E-10	14.00	4.71E-02	2.96E-10	1,000,000	2.96E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
27	1.2631E-06	8.046E-07	6.05E-04	4.87E-10	14.00	4.71E-02	3.21E-10	1,000,000	3.21E-04
28	1.2631E-06	8.7428E-07	6.05E-04	5.29E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
29	1.2631E-06	9.488E-07	6.05E-04	5.74E-10	14.00	4.71E-02	3.79E-10	1,000,000	3.79E-04
30	1.2631E-06	1.0289E-06	6.05E-04	6.23E-10	14.00	4.71E-02	4.11E-10	1,000,000	4.11E-04
31	1.2631E-06	1.1119E-06	6.05E-04	6.73E-10	14.00	4.71E-02	4.44E-10	1,000,000	4.44E-04
32	1.2631E-06	1.1956E-06	6.05E-04	7.23E-10	14.00	4.71E-02	4.77E-10	1,000,000	4.77E-04
33	1.2631E-06	1.2757E-06	6.05E-04	7.72E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
34	1.2631E-06	1.3492E-06	6.05E-04	8.16E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
35	1.2631E-06	1.409E-06	6.05E-04	8.53E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
36	1.2631E-06	1.4491E-06	6.05E-04	8.77E-10	14.00	4.71E-02	5.79E-10	1,000,000	5.79E-04
37	1.2631E-06	1.4594E-06	6.05E-04	8.83E-10	14.00	4.71E-02	5.83E-10	1,000,000	5.83E-04
38	1.2631E-06	1.4453E-06	6.05E-04	8.74E-10	14.00	4.71E-02	5.77E-10	1,000,000	5.77E-04
39	1.2631E-06	1.4087E-06	6.05E-04	8.52E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
40	1.2631E-06	1.3492E-06	6.05E-04	8.16E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
41	1.2631E-06	1.2733E-06	6.05E-04	7.70E-10	14.00	4.71E-02	5.09E-10	1,000,000	5.09E-04
42	1.2631E-06	1.1892E-06	6.05E-04	7.20E-10	14.00	4.71E-02	4.75E-10	1,000,000	4.75E-04
43	1.2631E-06	1.1022E-06	6.05E-04	6.67E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
44	1.2631E-06	1.0228E-06	6.05E-04	6.19E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
45	1.2631E-06	6.1698E-07	6.05E-04	3.73E-10	14.00	4.71E-02	2.46E-10	1,000,000	2.46E-04
46	1.2631E-06	6.7064E-07	6.05E-04	4.06E-10	14.00	4.71E-02	2.68E-10	1,000,000	2.68E-04
47	1.2631E-06	7.3083E-07	6.05E-04	4.42E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
48	1.2631E-06	7.9829E-07	6.05E-04	4.83E-10	14.00	4.71E-02	3.19E-10	1,000,000	3.19E-04
49	1.2631E-06	8.7363E-07	6.05E-04	5.29E-10	14.00	4.71E-02	3.49E-10	1,000,000	3.49E-04
50	1.2631E-06	9.5756E-07	6.05E-04	5.79E-10	14.00	4.71E-02	3.82E-10	1,000,000	3.82E-04
51	1.2631E-06	1.0504E-06	6.05E-04	6.36E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
52	1.2631E-06	1.1517E-06	6.05E-04	6.97E-10	14.00	4.71E-02	4.60E-10	1,000,000	4.60E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
53	1.2631E-06	1.2608E-06	6.05E-04	7.63E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
54	1.2631E-06	1.3734E-06	6.05E-04	8.31E-10	14.00	4.71E-02	5.48E-10	1,000,000	5.48E-04
55	1.2631E-06	1.4858E-06	6.05E-04	8.99E-10	14.00	4.71E-02	5.93E-10	1,000,000	5.93E-04
56	1.2631E-06	1.5913E-06	6.05E-04	9.63E-10	14.00	4.71E-02	6.35E-10	1,000,000	6.35E-04
57	1.2631E-06	1.6796E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.71E-10	1,000,000	6.71E-04
58	1.2631E-06	1.7433E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04
59	1.2631E-06	1.7601E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.03E-10	1,000,000	7.03E-04
60	1.2631E-06	1.738E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.94E-10	1,000,000	6.94E-04
61	1.2631E-06	1.6819E-06	6.05E-04	1.02E-09	14.00	4.71E-02	6.72E-10	1,000,000	6.72E-04
62	1.2631E-06	1.5919E-06	6.05E-04	9.63E-10	14.00	4.71E-02	6.36E-10	1,000,000	6.36E-04
63	1.2631E-06	1.4834E-06	6.05E-04	8.98E-10	14.00	4.71E-02	5.92E-10	1,000,000	5.92E-04
64	1.2631E-06	1.3683E-06	6.05E-04	8.28E-10	14.00	4.71E-02	5.46E-10	1,000,000	5.46E-04
65	1.2631E-06	1.2548E-06	6.05E-04	7.59E-10	14.00	4.71E-02	5.01E-10	1,000,000	5.01E-04
66	1.2631E-06	1.1468E-06	6.05E-04	6.94E-10	14.00	4.71E-02	4.58E-10	1,000,000	4.58E-04
67	1.2631E-06	6.4999E-07	6.05E-04	3.93E-10	14.00	4.71E-02	2.60E-10	1,000,000	2.60E-04
68	1.2631E-06	7.1058E-07	6.05E-04	4.30E-10	14.00	4.71E-02	2.84E-10	1,000,000	2.84E-04
69	1.2631E-06	7.7952E-07	6.05E-04	4.72E-10	14.00	4.71E-02	3.11E-10	1,000,000	3.11E-04
70	1.2631E-06	8.5789E-07	6.05E-04	5.19E-10	14.00	4.71E-02	3.43E-10	1,000,000	3.43E-04
71	1.2631E-06	9.4717E-07	6.05E-04	5.73E-10	14.00	4.71E-02	3.78E-10	1,000,000	3.78E-04
72	1.2631E-06	1.0487E-06	6.05E-04	6.35E-10	14.00	4.71E-02	4.19E-10	1,000,000	4.19E-04
73	1.2631E-06	1.1638E-06	6.05E-04	7.04E-10	14.00	4.71E-02	4.65E-10	1,000,000	4.65E-04
74	1.2631E-06	1.2926E-06	6.05E-04	7.82E-10	14.00	4.71E-02	5.16E-10	1,000,000	5.16E-04
75	1.2631E-06	1.4356E-06	6.05E-04	8.69E-10	14.00	4.71E-02	5.73E-10	1,000,000	5.73E-04
76	1.2631E-06	1.5908E-06	6.05E-04	9.63E-10	14.00	4.71E-02	6.35E-10	1,000,000	6.35E-04
77	1.2631E-06	1.7531E-06	6.05E-04	1.06E-09	14.00	4.71E-02	7.00E-10	1,000,000	7.00E-04
78	1.2631E-06	1.9134E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.64E-10	1,000,000	7.64E-04
79	1.2631E-06	2.0502E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.19E-10	1,000,000	8.19E-04
80	1.2631E-06	2.1467E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.57E-10	1,000,000	8.57E-04
81	1.2631E-06	2.1815E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.71E-10	1,000,000	8.71E-04
82	1.2631E-06	2.1515E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.59E-10	1,000,000	8.59E-04
83	1.2631E-06	2.0526E-06	6.05E-04	1.24E-09	14.00	4.71E-02	8.20E-10	1,000,000	8.20E-04
84	1.2631E-06	1.9138E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.64E-10	1,000,000	7.64E-04
85	1.2631E-06	1.7431E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.96E-10	1,000,000	6.96E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
86	1.2631E-06	1.5868E-06	6.05E-04	9.60E-10	14.00	4.71E-02	6.34E-10	1,000,000	6.34E-04
87	1.2631E-06	1.4307E-06	6.05E-04	8.66E-10	14.00	4.71E-02	5.71E-10	1,000,000	5.71E-04
88	1.2631E-06	1.2895E-06	6.05E-04	7.80E-10	14.00	4.71E-02	5.15E-10	1,000,000	5.15E-04
89	1.2631E-06	6.8248E-07	6.05E-04	4.13E-10	14.00	4.71E-02	2.73E-10	1,000,000	2.73E-04
90	1.2631E-06	7.5036E-07	6.05E-04	4.54E-10	14.00	4.71E-02	3.00E-10	1,000,000	3.00E-04
91	1.2631E-06	8.2857E-07	6.05E-04	5.01E-10	14.00	4.71E-02	3.31E-10	1,000,000	3.31E-04
92	1.2631E-06	9.1906E-07	6.05E-04	5.56E-10	14.00	4.71E-02	3.67E-10	1,000,000	3.67E-04
93	1.2631E-06	1.0241E-06	6.05E-04	6.20E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
94	1.2631E-06	1.146E-06	6.05E-04	6.93E-10	14.00	4.71E-02	4.58E-10	1,000,000	4.58E-04
95	1.2631E-06	1.2877E-06	6.05E-04	7.79E-10	14.00	4.71E-02	5.14E-10	1,000,000	5.14E-04
96	1.2631E-06	1.452E-06	6.05E-04	8.79E-10	14.00	4.71E-02	5.80E-10	1,000,000	5.80E-04
97	1.2631E-06	1.6417E-06	6.05E-04	9.93E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
98	1.2631E-06	1.8565E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.41E-10	1,000,000	7.41E-04
99	1.2631E-06	2.0923E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
100	1.2631E-06	2.3387E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.34E-10	1,000,000	9.34E-04
101	1.2631E-06	2.5675E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
102	1.2631E-06	2.7372E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
103	1.2631E-06	2.8055E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
104	1.2631E-06	2.7423E-06	6.05E-04	1.66E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
105	1.2631E-06	2.577E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
106	1.2631E-06	2.3455E-06	6.05E-04	1.42E-09	14.00	4.71E-02	9.37E-10	1,000,000	9.37E-04
107	1.2631E-06	2.0936E-06	6.05E-04	1.27E-09	14.00	4.71E-02	8.36E-10	1,000,000	8.36E-04
108	1.2631E-06	1.8547E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.41E-10	1,000,000	7.41E-04
109	1.2631E-06	1.6384E-06	6.05E-04	9.91E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
110	1.2631E-06	1.4531E-06	6.05E-04	8.79E-10	14.00	4.71E-02	5.80E-10	1,000,000	5.80E-04
111	1.2631E-06	7.0394E-07	6.05E-04	4.26E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
112	1.2631E-06	7.8912E-07	6.05E-04	4.77E-10	14.00	4.71E-02	3.15E-10	1,000,000	3.15E-04
113	1.2631E-06	8.714E-07	6.05E-04	5.27E-10	14.00	4.71E-02	3.48E-10	1,000,000	3.48E-04
114	1.2631E-06	9.7699E-07	6.05E-04	5.91E-10	14.00	4.71E-02	3.90E-10	1,000,000	3.90E-04
115	1.2631E-06	1.1024E-06	6.05E-04	6.67E-10	14.00	4.71E-02	4.40E-10	1,000,000	4.40E-04
116	1.2631E-06	1.2474E-06	6.05E-04	7.55E-10	14.00	4.71E-02	4.98E-10	1,000,000	4.98E-04
117	1.2631E-06	1.4208E-06	6.05E-04	8.60E-10	14.00	4.71E-02	5.67E-10	1,000,000	5.67E-04
118	1.2631E-06	1.6293E-06	6.05E-04	9.86E-10	14.00	4.71E-02	6.51E-10	1,000,000	6.51E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
119	1.2631E-06	1.8793E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
120	1.2631E-06	2.1784E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
121	1.2631E-06	2.531E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
122	1.2631E-06	2.9262E-06	6.05E-04	1.77E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
123	1.2631E-06	3.334E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
124	1.2631E-06	3.6693E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
125	1.2631E-06	3.8103E-06	6.05E-04	2.31E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
126	1.2631E-06	3.6764E-06	6.05E-04	2.22E-09	14.00	4.71E-02	1.47E-09	1,000,000	1.47E-03
127	1.2631E-06	3.3496E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
128	1.2631E-06	2.9425E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
129	1.2631E-06	2.5369E-06	6.05E-04	1.54E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
130	1.2631E-06	2.186E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.73E-10	1,000,000	8.73E-04
131	1.2631E-06	1.8851E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.53E-10	1,000,000	7.53E-04
132	1.2631E-06	1.6389E-06	6.05E-04	9.92E-10	14.00	4.71E-02	6.54E-10	1,000,000	6.54E-04
133	1.2631E-06	7.0342E-07	6.05E-04	4.26E-10	14.00	4.71E-02	2.81E-10	1,000,000	2.81E-04
134	1.2631E-06	7.8556E-07	6.05E-04	4.75E-10	14.00	4.71E-02	3.14E-10	1,000,000	3.14E-04
135	1.2631E-06	8.8296E-07	6.05E-04	5.34E-10	14.00	4.71E-02	3.53E-10	1,000,000	3.53E-04
136	1.2631E-06	1.0147E-06	6.05E-04	6.14E-10	14.00	4.71E-02	4.05E-10	1,000,000	4.05E-04
137	1.2631E-06	1.1798E-06	6.05E-04	7.14E-10	14.00	4.71E-02	4.71E-10	1,000,000	4.71E-04
138	1.2631E-06	1.35E-06	6.05E-04	8.17E-10	14.00	4.71E-02	5.39E-10	1,000,000	5.39E-04
139	1.2631E-06	1.5589E-06	6.05E-04	9.43E-10	14.00	4.71E-02	6.23E-10	1,000,000	6.23E-04
140	1.2631E-06	1.8187E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.26E-10	1,000,000	7.26E-04
141	1.2631E-06	2.1439E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.56E-10	1,000,000	8.56E-04
142	1.2631E-06	2.5572E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
143	1.2631E-06	3.0822E-06	6.05E-04	1.86E-09	14.00	4.71E-02	1.23E-09	1,000,000	1.23E-03
144	1.2631E-06	3.7413E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
145	1.2631E-06	4.5279E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
146	1.2631E-06	5.2979E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
147	1.2631E-06	5.6677E-06	6.05E-04	3.43E-09	14.00	4.71E-02	2.26E-09	1,000,000	2.26E-03
148	1.2631E-06	5.3161E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
149	1.2631E-06	4.5678E-06	6.05E-04	2.76E-09	14.00	4.71E-02	1.82E-09	1,000,000	1.82E-03
150	1.2631E-06	3.7714E-06	6.05E-04	2.28E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
151	1.2631E-06	3.1039E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
152	1.2631E-06	2.5835E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
153	1.2631E-06	2.1704E-06	6.05E-04	1.31E-09	14.00	4.71E-02	8.67E-10	1,000,000	8.67E-04
154	1.2631E-06	1.8458E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.37E-10	1,000,000	7.37E-04
155	1.2631E-06	6.7819E-07	6.05E-04	4.10E-10	14.00	4.71E-02	2.71E-10	1,000,000	2.71E-04
156	1.2631E-06	7.7063E-07	6.05E-04	4.66E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
157	1.2631E-06	8.9523E-07	6.05E-04	5.42E-10	14.00	4.71E-02	3.58E-10	1,000,000	3.58E-04
158	1.2631E-06	1.0219E-06	6.05E-04	6.18E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
159	1.2631E-06	1.1951E-06	6.05E-04	7.23E-10	14.00	4.71E-02	4.77E-10	1,000,000	4.77E-04
160	1.2631E-06	1.4017E-06	6.05E-04	8.48E-10	14.00	4.71E-02	5.60E-10	1,000,000	5.60E-04
161	1.2631E-06	1.6752E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.69E-10	1,000,000	6.69E-04
162	1.2631E-06	2.0111E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.03E-10	1,000,000	8.03E-04
163	1.2631E-06	2.4245E-06	6.05E-04	1.47E-09	14.00	4.71E-02	9.68E-10	1,000,000	9.68E-04
164	1.2631E-06	2.9793E-06	6.05E-04	1.80E-09	14.00	4.71E-02	1.19E-09	1,000,000	1.19E-03
165	1.2631E-06	3.7456E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
166	1.2631E-06	4.8412E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
167	1.2631E-06	6.4509E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.58E-09	1,000,000	2.58E-03
168	1.2631E-06	8.6843E-06	6.05E-04	5.25E-09	14.00	4.71E-02	3.47E-09	1,000,000	3.47E-03
169	1.2631E-06	1.0208E-05	6.05E-04	6.18E-09	14.00	4.71E-02	4.08E-09	1,000,000	4.08E-03
170	1.2631E-06	8.7169E-06	6.05E-04	5.27E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
171	1.2631E-06	6.5194E-06	6.05E-04	3.94E-09	14.00	4.71E-02	2.60E-09	1,000,000	2.60E-03
172	1.2631E-06	4.9465E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
173	1.2631E-06	3.8357E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
174	1.2631E-06	3.0591E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
175	1.2631E-06	2.5001E-06	6.05E-04	1.51E-09	14.00	4.71E-02	9.98E-10	1,000,000	9.98E-04
176	1.2631E-06	2.0789E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.30E-10	1,000,000	8.30E-04
177	1.2631E-06	6.6838E-07	6.05E-04	4.04E-10	14.00	4.71E-02	2.67E-10	1,000,000	2.67E-04
178	1.2631E-06	7.7048E-07	6.05E-04	4.66E-10	14.00	4.71E-02	3.08E-10	1,000,000	3.08E-04
179	1.2631E-06	9.0511E-07	6.05E-04	5.48E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
180	1.2631E-06	1.058E-06	6.05E-04	6.40E-10	14.00	4.71E-02	4.23E-10	1,000,000	4.23E-04
181	1.2631E-06	1.2353E-06	6.05E-04	7.47E-10	14.00	4.71E-02	4.93E-10	1,000,000	4.93E-04
182	1.2631E-06	1.4527E-06	6.05E-04	8.79E-10	14.00	4.71E-02	5.80E-10	1,000,000	5.80E-04
183	1.2631E-06	1.7399E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.95E-10	1,000,000	6.95E-04
184	1.2631E-06	3.6418E-05	6.05E-04	2.20E-08	14.00	4.71E-02	1.45E-08	1,000,000	1.45E-02

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
185	1.2631E-06	1.7209E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.87E-09	1,000,000	6.87E-03
186	1.2631E-06	9.8506E-06	6.05E-04	5.96E-09	14.00	4.71E-02	3.93E-09	1,000,000	3.93E-03
187	1.2631E-06	6.5446E-06	6.05E-04	3.96E-09	14.00	4.71E-02	2.61E-09	1,000,000	2.61E-03
188	1.2631E-06	4.7282E-06	6.05E-04	2.86E-09	14.00	4.71E-02	1.89E-09	1,000,000	1.89E-03
189	1.2631E-06	3.6107E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
190	1.2631E-06	2.8584E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
191	1.2631E-06	2.3233E-06	6.05E-04	1.41E-09	14.00	4.71E-02	9.28E-10	1,000,000	9.28E-04
192	1.2631E-06	6.3829E-07	6.05E-04	3.86E-10	14.00	4.71E-02	2.55E-10	1,000,000	2.55E-04
193	1.2631E-06	7.3625E-07	6.05E-04	4.45E-10	14.00	4.71E-02	2.94E-10	1,000,000	2.94E-04
194	1.2631E-06	8.6898E-07	6.05E-04	5.26E-10	14.00	4.71E-02	3.47E-10	1,000,000	3.47E-04
195	1.2631E-06	1.0232E-06	6.05E-04	6.19E-10	14.00	4.71E-02	4.09E-10	1,000,000	4.09E-04
196	1.2631E-06	1.2256E-06	6.05E-04	7.42E-10	14.00	4.71E-02	4.89E-10	1,000,000	4.89E-04
197	1.2631E-06	1.4513E-06	6.05E-04	8.78E-10	14.00	4.71E-02	5.80E-10	1,000,000	5.80E-04
198	1.2631E-06	1.7759E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.09E-10	1,000,000	7.09E-04
199	1.2631E-06	3.7372E-06	6.05E-04	2.26E-09	14.00	4.71E-02	1.49E-09	1,000,000	1.49E-03
200	1.2631E-06	7.4695E-05	6.05E-04	4.52E-08	14.00	4.71E-02	2.98E-08	1,000,000	2.98E-02
201	1.2631E-06	3.2686E-05	6.05E-04	1.98E-08	14.00	4.71E-02	1.31E-08	1,000,000	1.31E-02
202	1.2631E-06	1.4024E-05	6.05E-04	8.49E-09	14.00	4.71E-02	5.60E-09	1,000,000	5.60E-03
203	1.2631E-06	8.4007E-06	6.05E-04	5.08E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
204	1.2631E-06	5.7187E-06	6.05E-04	3.46E-09	14.00	4.71E-02	2.28E-09	1,000,000	2.28E-03
205	1.2631E-06	4.1937E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.67E-09	1,000,000	1.67E-03
206	1.2631E-06	3.227E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
207	1.2631E-06	2.5737E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
208	1.2631E-06	6.0146E-07	6.05E-04	3.64E-10	14.00	4.71E-02	2.40E-10	1,000,000	2.40E-04
209	1.2631E-06	6.9522E-07	6.05E-04	4.21E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04
210	1.2631E-06	7.8944E-07	6.05E-04	4.78E-10	14.00	4.71E-02	3.15E-10	1,000,000	3.15E-04
211	1.2631E-06	9.5044E-07	6.05E-04	5.75E-10	14.00	4.71E-02	3.80E-10	1,000,000	3.80E-04
212	1.2631E-06	1.1329E-06	6.05E-04	6.85E-10	14.00	4.71E-02	4.52E-10	1,000,000	4.52E-04
213	1.2631E-06	1.3896E-06	6.05E-04	8.41E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
214	1.2631E-06	1.7482E-06	6.05E-04	1.06E-09	14.00	4.71E-02	6.98E-10	1,000,000	6.98E-04
215	1.2631E-06	2.2065E-06	6.05E-04	1.34E-09	14.00	4.71E-02	8.81E-10	1,000,000	8.81E-04
216	1.2631E-06	2.94E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
217	1.2631E-06	3.9152E-06	6.05E-04	2.37E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
218	1.2631E-06	3.1042E-05	6.05E-04	1.88E-08	14.00	4.71E-02	1.24E-08	1,000,000	1.24E-02
219	1.2631E-06	8.4529E-05	6.05E-04	5.11E-08	14.00	4.71E-02	3.38E-08	1,000,000	3.38E-02
220	1.2631E-06	3.9452E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
221	1.2631E-06	1.7169E-05	6.05E-04	1.04E-08	14.00	4.71E-02	6.86E-09	1,000,000	6.86E-03
222	1.2631E-06	9.9578E-06	6.05E-04	6.03E-09	14.00	4.71E-02	3.98E-09	1,000,000	3.98E-03
223	1.2631E-06	6.585E-06	6.05E-04	3.98E-09	14.00	4.71E-02	2.63E-09	1,000,000	2.63E-03
224	1.2631E-06	4.7112E-06	6.05E-04	2.85E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
225	1.2631E-06	3.555E-06	6.05E-04	2.15E-09	14.00	4.71E-02	1.42E-09	1,000,000	1.42E-03
226	1.2631E-06	2.7936E-06	6.05E-04	1.69E-09	14.00	4.71E-02	1.12E-09	1,000,000	1.12E-03
227	1.2631E-06	5.5442E-07	6.05E-04	3.35E-10	14.00	4.71E-02	2.21E-10	1,000,000	2.21E-04
228	1.2631E-06	6.3377E-07	6.05E-04	3.83E-10	14.00	4.71E-02	2.53E-10	1,000,000	2.53E-04
229	1.2631E-06	7.3118E-07	6.05E-04	4.42E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
230	1.2631E-06	8.6505E-07	6.05E-04	5.23E-10	14.00	4.71E-02	3.45E-10	1,000,000	3.45E-04
231	1.2631E-06	1.047E-06	6.05E-04	6.34E-10	14.00	4.71E-02	4.18E-10	1,000,000	4.18E-04
232	1.2631E-06	1.2589E-06	6.05E-04	7.62E-10	14.00	4.71E-02	5.03E-10	1,000,000	5.03E-04
233	1.2631E-06	1.6447E-06	6.05E-04	9.95E-10	14.00	4.71E-02	6.57E-10	1,000,000	6.57E-04
234	1.2631E-06	2.1164E-06	6.05E-04	1.28E-09	14.00	4.71E-02	8.45E-10	1,000,000	8.45E-04
235	1.2631E-06	2.8176E-06	6.05E-04	1.70E-09	14.00	4.71E-02	1.13E-09	1,000,000	1.13E-03
236	1.2631E-06	3.8847E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
237	1.2631E-06	5.5842E-06	6.05E-04	3.38E-09	14.00	4.71E-02	2.23E-09	1,000,000	2.23E-03
238	1.2631E-06	8.6275E-06	6.05E-04	5.22E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
239	1.2631E-06	1.5016E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
240	1.2631E-06	3.2516E-05	6.05E-04	1.97E-08	14.00	4.71E-02	1.30E-08	1,000,000	1.30E-02
241	1.2631E-06	9.1721E-05	6.05E-04	5.55E-08	14.00	4.71E-02	3.66E-08	1,000,000	3.66E-02
242	1.2631E-06	4.1378E-05	6.05E-04	2.50E-08	14.00	4.71E-02	1.65E-08	1,000,000	1.65E-02
243	1.2631E-06	1.8478E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.38E-09	1,000,000	7.38E-03
244	1.2631E-06	1.0775E-05	6.05E-04	6.52E-09	14.00	4.71E-02	4.30E-09	1,000,000	4.30E-03
245	1.2631E-06	7.1069E-06	6.05E-04	4.30E-09	14.00	4.71E-02	2.84E-09	1,000,000	2.84E-03
246	1.2631E-06	5.0543E-06	6.05E-04	3.06E-09	14.00	4.71E-02	2.02E-09	1,000,000	2.02E-03
247	1.2631E-06	3.7895E-06	6.05E-04	2.29E-09	14.00	4.71E-02	1.51E-09	1,000,000	1.51E-03
248	1.2631E-06	2.9582E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03
249	1.2631E-06	5.1243E-07	6.05E-04	3.10E-10	14.00	4.71E-02	2.05E-10	1,000,000	2.05E-04
250	1.2631E-06	5.8093E-07	6.05E-04	3.52E-10	14.00	4.71E-02	2.32E-10	1,000,000	2.32E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
251	1.2631E-06	6.6532E-07	6.05E-04	4.03E-10	14.00	4.71E-02	2.66E-10	1,000,000	2.66E-04
252	1.2631E-06	7.9256E-07	6.05E-04	4.80E-10	14.00	4.71E-02	3.17E-10	1,000,000	3.17E-04
253	1.2631E-06	9.4736E-07	6.05E-04	5.73E-10	14.00	4.71E-02	3.78E-10	1,000,000	3.78E-04
254	1.2631E-06	1.1998E-06	6.05E-04	7.26E-10	14.00	4.71E-02	4.79E-10	1,000,000	4.79E-04
255	1.2631E-06	1.5101E-06	6.05E-04	9.14E-10	14.00	4.71E-02	6.03E-10	1,000,000	6.03E-04
256	1.2631E-06	2.0326E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.12E-10	1,000,000	8.12E-04
257	1.2631E-06	2.661E-06	6.05E-04	1.61E-09	14.00	4.71E-02	1.06E-09	1,000,000	1.06E-03
258	1.2631E-06	3.6454E-06	6.05E-04	2.21E-09	14.00	4.71E-02	1.46E-09	1,000,000	1.46E-03
259	1.2631E-06	5.3864E-06	6.05E-04	3.26E-09	14.00	4.71E-02	2.15E-09	1,000,000	2.15E-03
260	1.2631E-06	8.4381E-06	6.05E-04	5.11E-09	14.00	4.71E-02	3.37E-09	1,000,000	3.37E-03
261	1.2631E-06	1.4717E-05	6.05E-04	8.90E-09	14.00	4.71E-02	5.88E-09	1,000,000	5.88E-03
262	1.2631E-06	3.2183E-05	6.05E-04	1.95E-08	14.00	4.71E-02	1.29E-08	1,000,000	1.29E-02
263	1.2631E-06	8.5013E-05	6.05E-04	5.14E-08	14.00	4.71E-02	3.39E-08	1,000,000	3.39E-02
264	1.2631E-06	4.0928E-05	6.05E-04	2.48E-08	14.00	4.71E-02	1.63E-08	1,000,000	1.63E-02
265	1.2631E-06	1.8496E-05	6.05E-04	1.12E-08	14.00	4.71E-02	7.39E-09	1,000,000	7.39E-03
266	1.2631E-06	1.0872E-05	6.05E-04	6.58E-09	14.00	4.71E-02	4.34E-09	1,000,000	4.34E-03
267	1.2631E-06	7.2268E-06	6.05E-04	4.37E-09	14.00	4.71E-02	2.89E-09	1,000,000	2.89E-03
268	1.2631E-06	5.1642E-06	6.05E-04	3.12E-09	14.00	4.71E-02	2.06E-09	1,000,000	2.06E-03
269	1.2631E-06	3.8823E-06	6.05E-04	2.35E-09	14.00	4.71E-02	1.55E-09	1,000,000	1.55E-03
270	1.2631E-06	3.0333E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
271	1.2631E-06	4.5952E-07	6.05E-04	2.78E-10	14.00	4.71E-02	1.84E-10	1,000,000	1.84E-04
272	1.2631E-06	5.1844E-07	6.05E-04	3.14E-10	14.00	4.71E-02	2.07E-10	1,000,000	2.07E-04
273	1.2631E-06	6.0052E-07	6.05E-04	3.63E-10	14.00	4.71E-02	2.40E-10	1,000,000	2.40E-04
274	1.2631E-06	7.0568E-07	6.05E-04	4.27E-10	14.00	4.71E-02	2.82E-10	1,000,000	2.82E-04
275	1.2631E-06	8.4871E-07	6.05E-04	5.14E-10	14.00	4.71E-02	3.39E-10	1,000,000	3.39E-04
276	1.2631E-06	1.0637E-06	6.05E-04	6.44E-10	14.00	4.71E-02	4.25E-10	1,000,000	4.25E-04
277	1.2631E-06	1.3513E-06	6.05E-04	8.18E-10	14.00	4.71E-02	5.40E-10	1,000,000	5.40E-04
278	1.2631E-06	1.7359E-06	6.05E-04	1.05E-09	14.00	4.71E-02	6.93E-10	1,000,000	6.93E-04
279	1.2631E-06	2.3793E-06	6.05E-04	1.44E-09	14.00	4.71E-02	9.50E-10	1,000,000	9.50E-04
280	1.2631E-06	3.3383E-06	6.05E-04	2.02E-09	14.00	4.71E-02	1.33E-09	1,000,000	1.33E-03
281	1.2631E-06	4.9491E-06	6.05E-04	2.99E-09	14.00	4.71E-02	1.98E-09	1,000,000	1.98E-03
282	1.2631E-06	7.8278E-06	6.05E-04	4.74E-09	14.00	4.71E-02	3.13E-09	1,000,000	3.13E-03
283	1.2631E-06	1.3525E-05	6.05E-04	8.18E-09	14.00	4.71E-02	5.40E-09	1,000,000	5.40E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
284	1.2631E-06	2.9488E-05	6.05E-04	1.78E-08	14.00	4.71E-02	1.18E-08	1,000,000	1.18E-02
285	1.2631E-06	7.8316E-05	6.05E-04	4.74E-08	14.00	4.71E-02	3.13E-08	1,000,000	3.13E-02
286	1.2631E-06	3.9462E-05	6.05E-04	2.39E-08	14.00	4.71E-02	1.58E-08	1,000,000	1.58E-02
287	1.2631E-06	1.7366E-05	6.05E-04	1.05E-08	14.00	4.71E-02	6.94E-09	1,000,000	6.94E-03
288	1.2631E-06	1.0338E-05	6.05E-04	6.26E-09	14.00	4.71E-02	4.13E-09	1,000,000	4.13E-03
289	1.2631E-06	7.0033E-06	6.05E-04	4.24E-09	14.00	4.71E-02	2.80E-09	1,000,000	2.80E-03
290	1.2631E-06	5.0401E-06	6.05E-04	3.05E-09	14.00	4.71E-02	2.01E-09	1,000,000	2.01E-03
291	1.2631E-06	3.8277E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
292	1.2631E-06	3.0122E-06	6.05E-04	1.82E-09	14.00	4.71E-02	1.20E-09	1,000,000	1.20E-03
293	1.2631E-06	4.1686E-07	6.05E-04	2.52E-10	14.00	4.71E-02	1.66E-10	1,000,000	1.66E-04
294	1.2631E-06	4.7302E-07	6.05E-04	2.86E-10	14.00	4.71E-02	1.89E-10	1,000,000	1.89E-04
295	1.2631E-06	5.4306E-07	6.05E-04	3.29E-10	14.00	4.71E-02	2.17E-10	1,000,000	2.17E-04
296	1.2631E-06	6.2831E-07	6.05E-04	3.80E-10	14.00	4.71E-02	2.51E-10	1,000,000	2.51E-04
297	1.2631E-06	7.6233E-07	6.05E-04	4.61E-10	14.00	4.71E-02	3.04E-10	1,000,000	3.04E-04
298	1.2631E-06	9.3647E-07	6.05E-04	5.67E-10	14.00	4.71E-02	3.74E-10	1,000,000	3.74E-04
299	1.2631E-06	1.1853E-06	6.05E-04	7.17E-10	14.00	4.71E-02	4.73E-10	1,000,000	4.73E-04
300	1.2631E-06	1.575E-06	6.05E-04	9.53E-10	14.00	4.71E-02	6.29E-10	1,000,000	6.29E-04
301	1.2631E-06	2.0378E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.14E-10	1,000,000	8.14E-04
302	1.2631E-06	2.9384E-06	6.05E-04	1.78E-09	14.00	4.71E-02	1.17E-09	1,000,000	1.17E-03
303	1.2631E-06	4.2999E-06	6.05E-04	2.60E-09	14.00	4.71E-02	1.72E-09	1,000,000	1.72E-03
304	1.2631E-06	6.7211E-06	6.05E-04	4.07E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
305	1.2631E-06	1.1267E-05	6.05E-04	6.82E-09	14.00	4.71E-02	4.50E-09	1,000,000	4.50E-03
306	1.2631E-06	2.4503E-05	6.05E-04	1.48E-08	14.00	4.71E-02	9.79E-09	1,000,000	9.79E-03
307	1.2631E-06	6.734E-05	6.05E-04	4.07E-08	14.00	4.71E-02	2.69E-08	1,000,000	2.69E-02
308	1.2631E-06	3.4075E-05	6.05E-04	2.06E-08	14.00	4.71E-02	1.36E-08	1,000,000	1.36E-02
309	1.2631E-06	1.5021E-05	6.05E-04	9.09E-09	14.00	4.71E-02	6.00E-09	1,000,000	6.00E-03
310	1.2631E-06	9.1016E-06	6.05E-04	5.51E-09	14.00	4.71E-02	3.63E-09	1,000,000	3.63E-03
311	1.2631E-06	6.3133E-06	6.05E-04	3.82E-09	14.00	4.71E-02	2.52E-09	1,000,000	2.52E-03
312	1.2631E-06	4.6971E-06	6.05E-04	2.84E-09	14.00	4.71E-02	1.88E-09	1,000,000	1.88E-03
313	1.2631E-06	3.6292E-06	6.05E-04	2.20E-09	14.00	4.71E-02	1.45E-09	1,000,000	1.45E-03
314	1.2631E-06	2.8965E-06	6.05E-04	1.75E-09	14.00	4.71E-02	1.16E-09	1,000,000	1.16E-03
315	1.2631E-06	3.7215E-07	6.05E-04	2.25E-10	14.00	4.71E-02	1.49E-10	1,000,000	1.49E-04
316	1.2631E-06	4.2362E-07	6.05E-04	2.56E-10	14.00	4.71E-02	1.69E-10	1,000,000	1.69E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
317	1.2631E-06	4.8516E-07	6.05E-04	2.94E-10	14.00	4.71E-02	1.94E-10	1,000,000	1.94E-04
318	1.2631E-06	5.6066E-07	6.05E-04	3.39E-10	14.00	4.71E-02	2.24E-10	1,000,000	2.24E-04
319	1.2631E-06	6.532E-07	6.05E-04	3.95E-10	14.00	4.71E-02	2.61E-10	1,000,000	2.61E-04
320	1.2631E-06	8.3049E-07	6.05E-04	5.03E-10	14.00	4.71E-02	3.32E-10	1,000,000	3.32E-04
321	1.2631E-06	1.0209E-06	6.05E-04	6.18E-10	14.00	4.71E-02	4.08E-10	1,000,000	4.08E-04
322	1.2631E-06	1.3189E-06	6.05E-04	7.98E-10	14.00	4.71E-02	5.27E-10	1,000,000	5.27E-04
323	1.2631E-06	1.7891E-06	6.05E-04	1.08E-09	14.00	4.71E-02	7.14E-10	1,000,000	7.14E-04
324	1.2631E-06	2.4518E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.79E-10	1,000,000	9.79E-04
325	1.2631E-06	3.5403E-06	6.05E-04	2.14E-09	14.00	4.71E-02	1.41E-09	1,000,000	1.41E-03
326	1.2631E-06	5.3216E-06	6.05E-04	3.22E-09	14.00	4.71E-02	2.13E-09	1,000,000	2.13E-03
327	1.2631E-06	8.7215E-06	6.05E-04	5.28E-09	14.00	4.71E-02	3.48E-09	1,000,000	3.48E-03
328	1.2631E-06	1.4749E-05	6.05E-04	8.92E-09	14.00	4.71E-02	5.89E-09	1,000,000	5.89E-03
329	1.2631E-06	3.7117E-05	6.05E-04	2.25E-08	14.00	4.71E-02	1.48E-08	1,000,000	1.48E-02
330	1.2631E-06	1.9259E-05	6.05E-04	1.17E-08	14.00	4.71E-02	7.69E-09	1,000,000	7.69E-03
331	1.2631E-06	1.0786E-05	6.05E-04	6.53E-09	14.00	4.71E-02	4.31E-09	1,000,000	4.31E-03
332	1.2631E-06	7.2661E-06	6.05E-04	4.40E-09	14.00	4.71E-02	2.90E-09	1,000,000	2.90E-03
333	1.2631E-06	5.3114E-06	6.05E-04	3.21E-09	14.00	4.71E-02	2.12E-09	1,000,000	2.12E-03
334	1.2631E-06	4.1307E-06	6.05E-04	2.50E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
335	1.2631E-06	3.3048E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
336	1.2631E-06	2.7064E-06	6.05E-04	1.64E-09	14.00	4.71E-02	1.08E-09	1,000,000	1.08E-03
337	1.2631E-06	3.4256E-07	6.05E-04	2.07E-10	14.00	4.71E-02	1.37E-10	1,000,000	1.37E-04
338	1.2631E-06	3.8587E-07	6.05E-04	2.33E-10	14.00	4.71E-02	1.54E-10	1,000,000	1.54E-04
339	1.2631E-06	4.3407E-07	6.05E-04	2.63E-10	14.00	4.71E-02	1.73E-10	1,000,000	1.73E-04
340	1.2631E-06	5.0768E-07	6.05E-04	3.07E-10	14.00	4.71E-02	2.03E-10	1,000,000	2.03E-04
341	1.2631E-06	5.8823E-07	6.05E-04	3.56E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
342	1.2631E-06	7.3227E-07	6.05E-04	4.43E-10	14.00	4.71E-02	2.92E-10	1,000,000	2.92E-04
343	1.2631E-06	8.8102E-07	6.05E-04	5.33E-10	14.00	4.71E-02	3.52E-10	1,000,000	3.52E-04
344	1.2631E-06	1.1228E-06	6.05E-04	6.79E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
345	1.2631E-06	1.4763E-06	6.05E-04	8.93E-10	14.00	4.71E-02	5.90E-10	1,000,000	5.90E-04
346	1.2631E-06	2.0279E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.10E-10	1,000,000	8.10E-04
347	1.2631E-06	2.7329E-06	6.05E-04	1.65E-09	14.00	4.71E-02	1.09E-09	1,000,000	1.09E-03
348	1.2631E-06	3.8944E-06	6.05E-04	2.36E-09	14.00	4.71E-02	1.56E-09	1,000,000	1.56E-03
349	1.2631E-06	5.0129E-06	6.05E-04	3.03E-09	14.00	4.71E-02	2.00E-09	1,000,000	2.00E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
350	1.2631E-06	7.162E-06	6.05E-04	4.33E-09	14.00	4.71E-02	2.86E-09	1,000,000	2.86E-03
351	1.2631E-06	9.1377E-06	6.05E-04	5.53E-09	14.00	4.71E-02	3.65E-09	1,000,000	3.65E-03
352	1.2631E-06	8.1941E-06	6.05E-04	4.96E-09	14.00	4.71E-02	3.27E-09	1,000,000	3.27E-03
353	1.2631E-06	6.7014E-06	6.05E-04	4.05E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
354	1.2631E-06	5.2157E-06	6.05E-04	3.16E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
355	1.2631E-06	4.1954E-06	6.05E-04	2.54E-09	14.00	4.71E-02	1.68E-09	1,000,000	1.68E-03
356	1.2631E-06	3.4447E-06	6.05E-04	2.08E-09	14.00	4.71E-02	1.38E-09	1,000,000	1.38E-03
357	1.2631E-06	2.8624E-06	6.05E-04	1.73E-09	14.00	4.71E-02	1.14E-09	1,000,000	1.14E-03
358	1.2631E-06	2.4141E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.64E-10	1,000,000	9.64E-04
359	1.2631E-06	3.0968E-07	6.05E-04	1.87E-10	14.00	4.71E-02	1.24E-10	1,000,000	1.24E-04
360	1.2631E-06	3.5003E-07	6.05E-04	2.12E-10	14.00	4.71E-02	1.40E-10	1,000,000	1.40E-04
361	1.2631E-06	3.9557E-07	6.05E-04	2.39E-10	14.00	4.71E-02	1.58E-10	1,000,000	1.58E-04
362	1.2631E-06	4.5195E-07	6.05E-04	2.73E-10	14.00	4.71E-02	1.80E-10	1,000,000	1.80E-04
363	1.2631E-06	5.181E-07	6.05E-04	3.13E-10	14.00	4.71E-02	2.07E-10	1,000,000	2.07E-04
364	1.2631E-06	6.2325E-07	6.05E-04	3.77E-10	14.00	4.71E-02	2.49E-10	1,000,000	2.49E-04
365	1.2631E-06	7.6007E-07	6.05E-04	4.60E-10	14.00	4.71E-02	3.04E-10	1,000,000	3.04E-04
366	1.2631E-06	9.5274E-07	6.05E-04	5.76E-10	14.00	4.71E-02	3.80E-10	1,000,000	3.80E-04
367	1.2631E-06	1.2489E-06	6.05E-04	7.56E-10	14.00	4.71E-02	4.99E-10	1,000,000	4.99E-04
368	1.2631E-06	1.6106E-06	6.05E-04	9.75E-10	14.00	4.71E-02	6.43E-10	1,000,000	6.43E-04
369	1.2631E-06	2.0378E-06	6.05E-04	1.23E-09	14.00	4.71E-02	8.14E-10	1,000,000	8.14E-04
370	1.2631E-06	2.5366E-06	6.05E-04	1.53E-09	14.00	4.71E-02	1.01E-09	1,000,000	1.01E-03
371	1.2631E-06	3.2668E-06	6.05E-04	1.98E-09	14.00	4.71E-02	1.30E-09	1,000,000	1.30E-03
372	1.2631E-06	4.0137E-06	6.05E-04	2.43E-09	14.00	4.71E-02	1.60E-09	1,000,000	1.60E-03
373	1.2631E-06	4.3889E-06	6.05E-04	2.66E-09	14.00	4.71E-02	1.75E-09	1,000,000	1.75E-03
374	1.2631E-06	4.2546E-06	6.05E-04	2.57E-09	14.00	4.71E-02	1.70E-09	1,000,000	1.70E-03
375	1.2631E-06	4.1039E-06	6.05E-04	2.48E-09	14.00	4.71E-02	1.64E-09	1,000,000	1.64E-03
376	1.2631E-06	3.597E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
377	1.2631E-06	3.1464E-06	6.05E-04	1.90E-09	14.00	4.71E-02	1.26E-09	1,000,000	1.26E-03
378	1.2631E-06	2.7839E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
379	1.2631E-06	2.4146E-06	6.05E-04	1.46E-09	14.00	4.71E-02	9.64E-10	1,000,000	9.64E-04
380	1.2631E-06	2.0899E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.35E-10	1,000,000	8.35E-04
381	1.2631E-06	7.2192E-07	6.05E-04	4.37E-10	14.00	4.71E-02	2.88E-10	1,000,000	2.88E-04
382	1.2631E-06	7.9039E-07	6.05E-04	4.78E-10	14.00	4.71E-02	3.16E-10	1,000,000	3.16E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
383	1.2631E-06	8.6768E-07	6.05E-04	5.25E-10	14.00	4.71E-02	3.47E-10	1,000,000	3.47E-04
384	1.2631E-06	9.548E-07	6.05E-04	5.78E-10	14.00	4.71E-02	3.81E-10	1,000,000	3.81E-04
385	1.2631E-06	1.0528E-06	6.05E-04	6.37E-10	14.00	4.71E-02	4.20E-10	1,000,000	4.20E-04
386	1.2631E-06	1.1616E-06	6.05E-04	7.03E-10	14.00	4.71E-02	4.64E-10	1,000,000	4.64E-04
387	1.2631E-06	1.2806E-06	6.05E-04	7.75E-10	14.00	4.71E-02	5.11E-10	1,000,000	5.11E-04
388	1.2631E-06	1.4095E-06	6.05E-04	8.53E-10	14.00	4.71E-02	5.63E-10	1,000,000	5.63E-04
389	1.2631E-06	1.544E-06	6.05E-04	9.34E-10	14.00	4.71E-02	6.17E-10	1,000,000	6.17E-04
390	1.2631E-06	1.6773E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.70E-10	1,000,000	6.70E-04
391	1.2631E-06	1.798E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.18E-10	1,000,000	7.18E-04
392	1.2631E-06	1.8924E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.56E-10	1,000,000	7.56E-04
393	1.2631E-06	1.9449E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.77E-10	1,000,000	7.77E-04
394	1.2631E-06	1.9477E-06	6.05E-04	1.18E-09	14.00	4.71E-02	7.78E-10	1,000,000	7.78E-04
395	1.2631E-06	1.893E-06	6.05E-04	1.15E-09	14.00	4.71E-02	7.56E-10	1,000,000	7.56E-04
396	1.2631E-06	1.7967E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.17E-10	1,000,000	7.17E-04
397	1.2631E-06	1.6737E-06	6.05E-04	1.01E-09	14.00	4.71E-02	6.68E-10	1,000,000	6.68E-04
398	1.2631E-06	1.5374E-06	6.05E-04	9.30E-10	14.00	4.71E-02	6.14E-10	1,000,000	6.14E-04
399	1.2631E-06	7.6605E-07	6.05E-04	4.64E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
400	1.2631E-06	8.4475E-07	6.05E-04	5.11E-10	14.00	4.71E-02	3.37E-10	1,000,000	3.37E-04
401	1.2631E-06	9.3522E-07	6.05E-04	5.66E-10	14.00	4.71E-02	3.73E-10	1,000,000	3.73E-04
402	1.2631E-06	1.0392E-06	6.05E-04	6.29E-10	14.00	4.71E-02	4.15E-10	1,000,000	4.15E-04
403	1.2631E-06	1.1583E-06	6.05E-04	7.01E-10	14.00	4.71E-02	4.63E-10	1,000,000	4.63E-04
404	1.2631E-06	1.2941E-06	6.05E-04	7.83E-10	14.00	4.71E-02	5.17E-10	1,000,000	5.17E-04
405	1.2631E-06	1.4488E-06	6.05E-04	8.77E-10	14.00	4.71E-02	5.79E-10	1,000,000	5.79E-04
406	1.2631E-06	1.6226E-06	6.05E-04	9.82E-10	14.00	4.71E-02	6.48E-10	1,000,000	6.48E-04
407	1.2631E-06	1.8124E-06	6.05E-04	1.10E-09	14.00	4.71E-02	7.24E-10	1,000,000	7.24E-04
408	1.2631E-06	2.0119E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.03E-10	1,000,000	8.03E-04
409	1.2631E-06	2.2021E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.79E-10	1,000,000	8.79E-04
410	1.2631E-06	2.3553E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.41E-10	1,000,000	9.41E-04
411	1.2631E-06	2.447E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.77E-10	1,000,000	9.77E-04
412	1.2631E-06	2.4525E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.79E-10	1,000,000	9.79E-04
413	1.2631E-06	2.3612E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
414	1.2631E-06	2.2037E-06	6.05E-04	1.33E-09	14.00	4.71E-02	8.80E-10	1,000,000	8.80E-04
415	1.2631E-06	2.0094E-06	6.05E-04	1.22E-09	14.00	4.71E-02	8.02E-10	1,000,000	8.02E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
416	1.2631E-06	1.8014E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.19E-10	1,000,000	7.19E-04
417	1.2631E-06	8.099E-07	6.05E-04	4.90E-10	14.00	4.71E-02	3.23E-10	1,000,000	3.23E-04
418	1.2631E-06	8.995E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
419	1.2631E-06	1.0042E-06	6.05E-04	6.08E-10	14.00	4.71E-02	4.01E-10	1,000,000	4.01E-04
420	1.2631E-06	1.127E-06	6.05E-04	6.82E-10	14.00	4.71E-02	4.50E-10	1,000,000	4.50E-04
421	1.2631E-06	1.2715E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.08E-10	1,000,000	5.08E-04
422	1.2631E-06	1.4421E-06	6.05E-04	8.73E-10	14.00	4.71E-02	5.76E-10	1,000,000	5.76E-04
423	1.2631E-06	1.6433E-06	6.05E-04	9.94E-10	14.00	4.71E-02	6.56E-10	1,000,000	6.56E-04
424	1.2631E-06	1.8787E-06	6.05E-04	1.14E-09	14.00	4.71E-02	7.50E-10	1,000,000	7.50E-04
425	1.2631E-06	2.1489E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.58E-10	1,000,000	8.58E-04
426	1.2631E-06	2.4524E-06	6.05E-04	1.48E-09	14.00	4.71E-02	9.79E-10	1,000,000	9.79E-04
427	1.2631E-06	2.7632E-06	6.05E-04	1.67E-09	14.00	4.71E-02	1.10E-09	1,000,000	1.10E-03
428	1.2631E-06	3.0426E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
429	1.2631E-06	3.2167E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
430	1.2631E-06	3.2181E-06	6.05E-04	1.95E-09	14.00	4.71E-02	1.29E-09	1,000,000	1.29E-03
431	1.2631E-06	3.0486E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
432	1.2631E-06	2.77E-06	6.05E-04	1.68E-09	14.00	4.71E-02	1.11E-09	1,000,000	1.11E-03
433	1.2631E-06	2.463E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.84E-10	1,000,000	9.84E-04
434	1.2631E-06	2.1507E-06	6.05E-04	1.30E-09	14.00	4.71E-02	8.59E-10	1,000,000	8.59E-04
435	1.2631E-06	8.2495E-07	6.05E-04	4.99E-10	14.00	4.71E-02	3.29E-10	1,000,000	3.29E-04
436	1.2631E-06	9.4201E-07	6.05E-04	5.70E-10	14.00	4.71E-02	3.76E-10	1,000,000	3.76E-04
437	1.2631E-06	1.073E-06	6.05E-04	6.49E-10	14.00	4.71E-02	4.28E-10	1,000,000	4.28E-04
438	1.2631E-06	1.2164E-06	6.05E-04	7.36E-10	14.00	4.71E-02	4.86E-10	1,000,000	4.86E-04
439	1.2631E-06	1.3896E-06	6.05E-04	8.41E-10	14.00	4.71E-02	5.55E-10	1,000,000	5.55E-04
440	1.2631E-06	1.6003E-06	6.05E-04	9.68E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
441	1.2631E-06	1.8583E-06	6.05E-04	1.12E-09	14.00	4.71E-02	7.42E-10	1,000,000	7.42E-04
442	1.2631E-06	2.1758E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.69E-10	1,000,000	8.69E-04
443	1.2631E-06	2.5659E-06	6.05E-04	1.55E-09	14.00	4.71E-02	1.02E-09	1,000,000	1.02E-03
444	1.2631E-06	3.0374E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.21E-09	1,000,000	1.21E-03
445	1.2631E-06	3.5809E-06	6.05E-04	2.17E-09	14.00	4.71E-02	1.43E-09	1,000,000	1.43E-03
446	1.2631E-06	4.1338E-06	6.05E-04	2.50E-09	14.00	4.71E-02	1.65E-09	1,000,000	1.65E-03
447	1.2631E-06	4.5216E-06	6.05E-04	2.74E-09	14.00	4.71E-02	1.81E-09	1,000,000	1.81E-03
448	1.2631E-06	4.5169E-06	6.05E-04	2.73E-09	14.00	4.71E-02	1.80E-09	1,000,000	1.80E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
449	1.2631E-06	4.1469E-06	6.05E-04	2.51E-09	14.00	4.71E-02	1.66E-09	1,000,000	1.66E-03
450	1.2631E-06	3.6073E-06	6.05E-04	2.18E-09	14.00	4.71E-02	1.44E-09	1,000,000	1.44E-03
451	1.2631E-06	3.0444E-06	6.05E-04	1.84E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
452	1.2631E-06	2.5762E-06	6.05E-04	1.56E-09	14.00	4.71E-02	1.03E-09	1,000,000	1.03E-03
453	1.2631E-06	8.3424E-07	6.05E-04	5.05E-10	14.00	4.71E-02	3.33E-10	1,000,000	3.33E-04
454	1.2631E-06	9.4942E-07	6.05E-04	5.74E-10	14.00	4.71E-02	3.79E-10	1,000,000	3.79E-04
455	1.2631E-06	1.1039E-06	6.05E-04	6.68E-10	14.00	4.71E-02	4.41E-10	1,000,000	4.41E-04
456	1.2631E-06	1.2994E-06	6.05E-04	7.86E-10	14.00	4.71E-02	5.19E-10	1,000,000	5.19E-04
457	1.2631E-06	1.5076E-06	6.05E-04	9.12E-10	14.00	4.71E-02	6.02E-10	1,000,000	6.02E-04
458	1.2631E-06	1.7629E-06	6.05E-04	1.07E-09	14.00	4.71E-02	7.04E-10	1,000,000	7.04E-04
459	1.2631E-06	2.0875E-06	6.05E-04	1.26E-09	14.00	4.71E-02	8.34E-10	1,000,000	8.34E-04
460	1.2631E-06	2.5074E-06	6.05E-04	1.52E-09	14.00	4.71E-02	1.00E-09	1,000,000	1.00E-03
461	1.2631E-06	3.0592E-06	6.05E-04	1.85E-09	14.00	4.71E-02	1.22E-09	1,000,000	1.22E-03
462	1.2631E-06	3.797E-06	6.05E-04	2.30E-09	14.00	4.71E-02	1.52E-09	1,000,000	1.52E-03
463	1.2631E-06	4.7849E-06	6.05E-04	2.90E-09	14.00	4.71E-02	1.91E-09	1,000,000	1.91E-03
464	1.2631E-06	6.0234E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
465	1.2631E-06	7.1372E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
466	1.2631E-06	7.1465E-06	6.05E-04	4.32E-09	14.00	4.71E-02	2.85E-09	1,000,000	2.85E-03
467	1.2631E-06	6.0639E-06	6.05E-04	3.67E-09	14.00	4.71E-02	2.42E-09	1,000,000	2.42E-03
468	1.2631E-06	4.8371E-06	6.05E-04	2.93E-09	14.00	4.71E-02	1.93E-09	1,000,000	1.93E-03
469	1.2631E-06	3.8489E-06	6.05E-04	2.33E-09	14.00	4.71E-02	1.54E-09	1,000,000	1.54E-03
470	1.2631E-06	3.1064E-06	6.05E-04	1.88E-09	14.00	4.71E-02	1.24E-09	1,000,000	1.24E-03
471	1.2631E-06	8.2421E-07	6.05E-04	4.99E-10	14.00	4.71E-02	3.29E-10	1,000,000	3.29E-04
472	1.2631E-06	9.6154E-07	6.05E-04	5.82E-10	14.00	4.71E-02	3.84E-10	1,000,000	3.84E-04
473	1.2631E-06	1.1214E-06	6.05E-04	6.79E-10	14.00	4.71E-02	4.48E-10	1,000,000	4.48E-04
474	1.2631E-06	1.3086E-06	6.05E-04	7.92E-10	14.00	4.71E-02	5.23E-10	1,000,000	5.23E-04
475	1.2631E-06	1.5422E-06	6.05E-04	9.33E-10	14.00	4.71E-02	6.16E-10	1,000,000	6.16E-04
476	1.2631E-06	1.4607E-05	6.05E-04	8.84E-09	14.00	4.71E-02	5.83E-09	1,000,000	5.83E-03
477	1.2631E-06	9.645E-06	6.05E-04	5.84E-09	14.00	4.71E-02	3.85E-09	1,000,000	3.85E-03
478	1.2631E-06	6.7143E-06	6.05E-04	4.06E-09	14.00	4.71E-02	2.68E-09	1,000,000	2.68E-03
479	1.2631E-06	4.9141E-06	6.05E-04	2.97E-09	14.00	4.71E-02	1.96E-09	1,000,000	1.96E-03
480	1.2631E-06	3.7494E-06	6.05E-04	2.27E-09	14.00	4.71E-02	1.50E-09	1,000,000	1.50E-03
481	1.2631E-06	8.0619E-07	6.05E-04	4.88E-10	14.00	4.71E-02	3.22E-10	1,000,000	3.22E-04

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
482	1.2631E-06	9.5312E-07	6.05E-04	5.77E-10	14.00	4.71E-02	3.81E-10	1,000,000	3.81E-04
483	1.2631E-06	1.1061E-06	6.05E-04	6.69E-10	14.00	4.71E-02	4.42E-10	1,000,000	4.42E-04
484	1.2631E-06	1.3077E-06	6.05E-04	7.91E-10	14.00	4.71E-02	5.22E-10	1,000,000	5.22E-04
485	1.2631E-06	1.5998E-06	6.05E-04	9.68E-10	14.00	4.71E-02	6.39E-10	1,000,000	6.39E-04
486	1.2631E-06	5.0697E-05	6.05E-04	3.07E-08	14.00	4.71E-02	2.02E-08	1,000,000	2.02E-02
487	1.2631E-06	1.6443E-05	6.05E-04	9.95E-09	14.00	4.71E-02	6.57E-09	1,000,000	6.57E-03
488	1.2631E-06	9.2525E-06	6.05E-04	5.60E-09	14.00	4.71E-02	3.69E-09	1,000,000	3.69E-03
489	1.2631E-06	6.1976E-06	6.05E-04	3.75E-09	14.00	4.71E-02	2.47E-09	1,000,000	2.47E-03
490	1.2631E-06	4.4901E-06	6.05E-04	2.72E-09	14.00	4.71E-02	1.79E-09	1,000,000	1.79E-03
491	1.2631E-06	7.6584E-07	6.05E-04	4.63E-10	14.00	4.71E-02	3.06E-10	1,000,000	3.06E-04
492	1.2631E-06	9.0508E-07	6.05E-04	5.48E-10	14.00	4.71E-02	3.61E-10	1,000,000	3.61E-04
493	1.2631E-06	1.0536E-06	6.05E-04	6.38E-10	14.00	4.71E-02	4.21E-10	1,000,000	4.21E-04
494	1.2631E-06	1.2702E-06	6.05E-04	7.69E-10	14.00	4.71E-02	5.07E-10	1,000,000	5.07E-04
495	1.2631E-06	1.5709E-06	6.05E-04	9.50E-10	14.00	4.71E-02	6.27E-10	1,000,000	6.27E-04
496	1.2631E-06	3.3575E-06	6.05E-04	2.03E-09	14.00	4.71E-02	1.34E-09	1,000,000	1.34E-03
497	1.2631E-06	4.4252E-06	6.05E-04	2.68E-09	14.00	4.71E-02	1.77E-09	1,000,000	1.77E-03
498	1.2631E-06	5.6404E-05	6.05E-04	3.41E-08	14.00	4.71E-02	2.25E-08	1,000,000	2.25E-02
499	1.2631E-06	8.0067E-05	6.05E-04	4.84E-08	14.00	4.71E-02	3.20E-08	1,000,000	3.20E-02
500	1.2631E-06	2.2826E-05	6.05E-04	1.38E-08	14.00	4.71E-02	9.12E-09	1,000,000	9.12E-03
501	1.2631E-06	1.1858E-05	6.05E-04	7.17E-09	14.00	4.71E-02	4.74E-09	1,000,000	4.74E-03
502	1.2631E-06	7.474E-06	6.05E-04	4.52E-09	14.00	4.71E-02	2.98E-09	1,000,000	2.98E-03
503	1.2631E-06	5.2134E-06	6.05E-04	3.15E-09	14.00	4.71E-02	2.08E-09	1,000,000	2.08E-03
504	1.2631E-06	7.1283E-07	6.05E-04	4.31E-10	14.00	4.71E-02	2.85E-10	1,000,000	2.85E-04
505	1.2631E-06	8.1907E-07	6.05E-04	4.96E-10	14.00	4.71E-02	3.27E-10	1,000,000	3.27E-04
506	1.2631E-06	1.0076E-06	6.05E-04	6.10E-10	14.00	4.71E-02	4.02E-10	1,000,000	4.02E-04
507	1.2631E-06	1.193E-06	6.05E-04	7.22E-10	14.00	4.71E-02	4.76E-10	1,000,000	4.76E-04
508	1.2631E-06	1.5211E-06	6.05E-04	9.20E-10	14.00	4.71E-02	6.07E-10	1,000,000	6.07E-04
509	1.2631E-06	1.911E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.63E-10	1,000,000	7.63E-04
510	1.2631E-06	2.4599E-06	6.05E-04	1.49E-09	14.00	4.71E-02	9.82E-10	1,000,000	9.82E-04
511	1.2631E-06	3.3032E-06	6.05E-04	2.00E-09	14.00	4.71E-02	1.32E-09	1,000,000	1.32E-03
512	1.2631E-06	4.6313E-06	6.05E-04	2.80E-09	14.00	4.71E-02	1.85E-09	1,000,000	1.85E-03
513	1.2631E-06	6.8027E-06	6.05E-04	4.12E-09	14.00	4.71E-02	2.72E-09	1,000,000	2.72E-03
514	1.2631E-06	1.1083E-05	6.05E-04	6.71E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
515	1.2631E-06	2.0672E-05	6.05E-04	1.25E-08	14.00	4.71E-02	8.26E-09	1,000,000	8.26E-03
516	1.2631E-06	6.1045E-05	6.05E-04	3.69E-08	14.00	4.71E-02	2.44E-08	1,000,000	2.44E-02
517	1.2631E-06	8.3887E-05	6.05E-04	5.08E-08	14.00	4.71E-02	3.35E-08	1,000,000	3.35E-02
518	1.2631E-06	2.5627E-05	6.05E-04	1.55E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
519	1.2631E-06	1.3432E-05	6.05E-04	8.13E-09	14.00	4.71E-02	5.36E-09	1,000,000	5.36E-03
520	1.2631E-06	8.389E-06	6.05E-04	5.08E-09	14.00	4.71E-02	3.35E-09	1,000,000	3.35E-03
521	1.2631E-06	5.7705E-06	6.05E-04	3.49E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
522	1.2631E-06	6.4845E-07	6.05E-04	3.92E-10	14.00	4.71E-02	2.59E-10	1,000,000	2.59E-04
523	1.2631E-06	7.6924E-07	6.05E-04	4.65E-10	14.00	4.71E-02	3.07E-10	1,000,000	3.07E-04
524	1.2631E-06	9.2097E-07	6.05E-04	5.57E-10	14.00	4.71E-02	3.68E-10	1,000,000	3.68E-04
525	1.2631E-06	1.1135E-06	6.05E-04	6.74E-10	14.00	4.71E-02	4.45E-10	1,000,000	4.45E-04
526	1.2631E-06	1.3313E-06	6.05E-04	8.06E-10	14.00	4.71E-02	5.32E-10	1,000,000	5.32E-04
527	1.2631E-06	1.8053E-06	6.05E-04	1.09E-09	14.00	4.71E-02	7.21E-10	1,000,000	7.21E-04
528	1.2631E-06	2.3604E-06	6.05E-04	1.43E-09	14.00	4.71E-02	9.43E-10	1,000,000	9.43E-04
529	1.2631E-06	3.2072E-06	6.05E-04	1.94E-09	14.00	4.71E-02	1.28E-09	1,000,000	1.28E-03
530	1.2631E-06	4.5735E-06	6.05E-04	2.77E-09	14.00	4.71E-02	1.83E-09	1,000,000	1.83E-03
531	1.2631E-06	6.7979E-06	6.05E-04	4.11E-09	14.00	4.71E-02	2.71E-09	1,000,000	2.71E-03
532	1.2631E-06	1.1103E-05	6.05E-04	6.72E-09	14.00	4.71E-02	4.43E-09	1,000,000	4.43E-03
533	1.2631E-06	2.1215E-05	6.05E-04	1.28E-08	14.00	4.71E-02	8.47E-09	1,000,000	8.47E-03
534	1.2631E-06	6.2359E-05	6.05E-04	3.77E-08	14.00	4.71E-02	2.49E-08	1,000,000	2.49E-02
535	1.2631E-06	8.3403E-05	6.05E-04	5.05E-08	14.00	4.71E-02	3.33E-08	1,000,000	3.33E-02
536	1.2631E-06	2.6294E-05	6.05E-04	1.59E-08	14.00	4.71E-02	1.05E-08	1,000,000	1.05E-02
537	1.2631E-06	1.3954E-05	6.05E-04	8.44E-09	14.00	4.71E-02	5.57E-09	1,000,000	5.57E-03
538	1.2631E-06	8.7747E-06	6.05E-04	5.31E-09	14.00	4.71E-02	3.50E-09	1,000,000	3.50E-03
539	1.2631E-06	6.0394E-06	6.05E-04	3.65E-09	14.00	4.71E-02	2.41E-09	1,000,000	2.41E-03
540	1.2631E-06	5.8778E-07	6.05E-04	3.56E-10	14.00	4.71E-02	2.35E-10	1,000,000	2.35E-04
541	1.2631E-06	6.9667E-07	6.05E-04	4.22E-10	14.00	4.71E-02	2.78E-10	1,000,000	2.78E-04
542	1.2631E-06	8.3194E-07	6.05E-04	5.03E-10	14.00	4.71E-02	3.32E-10	1,000,000	3.32E-04
543	1.2631E-06	1.0094E-06	6.05E-04	6.11E-10	14.00	4.71E-02	4.03E-10	1,000,000	4.03E-04
544	1.2631E-06	1.285E-06	6.05E-04	7.78E-10	14.00	4.71E-02	5.13E-10	1,000,000	5.13E-04
545	1.2631E-06	1.6255E-06	6.05E-04	9.84E-10	14.00	4.71E-02	6.49E-10	1,000,000	6.49E-04
546	1.2631E-06	2.1794E-06	6.05E-04	1.32E-09	14.00	4.71E-02	8.70E-10	1,000,000	8.70E-04
547	1.2631E-06	2.9558E-06	6.05E-04	1.79E-09	14.00	4.71E-02	1.18E-09	1,000,000	1.18E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

					Cancer Risk from 2 to 14 years				
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million
548	1.2631E-06	4.2788E-06	6.05E-04	2.59E-09	14.00	4.71E-02	1.71E-09	1,000,000	1.71E-03
549	1.2631E-06	6.4472E-06	6.05E-04	3.90E-09	14.00	4.71E-02	2.57E-09	1,000,000	2.57E-03
550	1.2631E-06	1.064E-05	6.05E-04	6.44E-09	14.00	4.71E-02	4.25E-09	1,000,000	4.25E-03
551	1.2631E-06	2.0373E-05	6.05E-04	1.23E-08	14.00	4.71E-02	8.14E-09	1,000,000	8.14E-03
552	1.2631E-06	6.0337E-05	6.05E-04	3.65E-08	14.00	4.71E-02	2.41E-08	1,000,000	2.41E-02
553	1.2631E-06	8.3444E-05	6.05E-04	5.05E-08	14.00	4.71E-02	3.33E-08	1,000,000	3.33E-02
554	1.2631E-06	2.5522E-05	6.05E-04	1.54E-08	14.00	4.71E-02	1.02E-08	1,000,000	1.02E-02
555	1.2631E-06	1.3623E-05	6.05E-04	8.24E-09	14.00	4.71E-02	5.44E-09	1,000,000	5.44E-03
556	1.2631E-06	8.641E-06	6.05E-04	5.23E-09	14.00	4.71E-02	3.45E-09	1,000,000	3.45E-03
557	1.2631E-06	6.0097E-06	6.05E-04	3.64E-09	14.00	4.71E-02	2.40E-09	1,000,000	2.40E-03
558	1.2631E-06	5.3373E-07	6.05E-04	3.23E-10	14.00	4.71E-02	2.13E-10	1,000,000	2.13E-04
559	1.2631E-06	6.3137E-07	6.05E-04	3.82E-10	14.00	4.71E-02	2.52E-10	1,000,000	2.52E-04
560	1.2631E-06	7.338E-07	6.05E-04	4.44E-10	14.00	4.71E-02	2.93E-10	1,000,000	2.93E-04
561	1.2631E-06	8.9937E-07	6.05E-04	5.44E-10	14.00	4.71E-02	3.59E-10	1,000,000	3.59E-04
562	1.2631E-06	1.0958E-06	6.05E-04	6.63E-10	14.00	4.71E-02	4.38E-10	1,000,000	4.38E-04
563	1.2631E-06	1.3995E-06	6.05E-04	8.47E-10	14.00	4.71E-02	5.59E-10	1,000,000	5.59E-04
564	1.2631E-06	1.9139E-06	6.05E-04	1.16E-09	14.00	4.71E-02	7.64E-10	1,000,000	7.64E-04
565	1.2631E-06	2.6093E-06	6.05E-04	1.58E-09	14.00	4.71E-02	1.04E-09	1,000,000	1.04E-03
566	1.2631E-06	3.8304E-06	6.05E-04	2.32E-09	14.00	4.71E-02	1.53E-09	1,000,000	1.53E-03
567	1.2631E-06	5.7514E-06	6.05E-04	3.48E-09	14.00	4.71E-02	2.30E-09	1,000,000	2.30E-03
568	1.2631E-06	9.4578E-06	6.05E-04	5.72E-09	14.00	4.71E-02	3.78E-09	1,000,000	3.78E-03
569	1.2631E-06	1.749E-05	6.05E-04	1.06E-08	14.00	4.71E-02	6.98E-09	1,000,000	6.98E-03
570	1.2631E-06	5.4224E-05	6.05E-04	3.28E-08	14.00	4.71E-02	2.17E-08	1,000,000	2.17E-02
571	1.2631E-06	8.2303E-05	6.05E-04	4.98E-08	14.00	4.71E-02	3.29E-08	1,000,000	3.29E-02
572	1.2631E-06	2.3349E-05	6.05E-04	1.41E-08	14.00	4.71E-02	9.32E-09	1,000,000	9.32E-03
573	1.2631E-06	1.2392E-05	6.05E-04	7.50E-09	14.00	4.71E-02	4.95E-09	1,000,000	4.95E-03
574	1.2631E-06	8.013E-06	6.05E-04	4.85E-09	14.00	4.71E-02	3.20E-09	1,000,000	3.20E-03
575	1.2631E-06	5.6906E-06	6.05E-04	3.44E-09	14.00	4.71E-02	2.27E-09	1,000,000	2.27E-03

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
1	1.26E-06	5.5212E-07	2.50E-04	1.38E-10	1.40E+01	1.57E-02	3.04E-11	1.0E+06	3.0E-05	4.4E-04	Res	0.073	241
2	1.2631E-06	5.935E-07	2.50E-04	1.49E-10	14.00	1.57E-02	3.27E-11	1,000,000	3.27E-05	4.7E-04			
3	1.2631E-06	6.3875E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.52E-11	1,000,000	3.52E-05	5.1E-04			
4	1.2631E-06	6.8782E-07	2.50E-04	1.72E-10	14.00	1.57E-02	3.79E-11	1,000,000	3.79E-05	5.5E-04			
5	1.2631E-06	7.4112E-07	2.50E-04	1.85E-10	14.00	1.57E-02	4.08E-11	1,000,000	4.08E-05	5.9E-04			
6	1.2631E-06	7.9848E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.40E-11	1,000,000	4.40E-05	6.4E-04			
7	1.2631E-06	8.5881E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.73E-11	1,000,000	4.73E-05	6.8E-04			
8	1.2631E-06	9.2165E-07	2.50E-04	2.31E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
9	1.2631E-06	9.861E-07	2.50E-04	2.47E-10	14.00	1.57E-02	5.43E-11	1,000,000	5.43E-05	7.9E-04			
10	1.2631E-06	1.0493E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			
11	1.2631E-06	1.1084E-06	2.50E-04	2.77E-10	14.00	1.57E-02	6.10E-11	1,000,000	6.10E-05	8.8E-04			
12	1.2631E-06	1.1603E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.39E-11	1,000,000	6.39E-05	9.2E-04			
13	1.2631E-06	1.2013E-06	2.50E-04	3.01E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
14	1.2631E-06	1.2276E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.76E-11	1,000,000	6.76E-05	9.8E-04			
15	1.2631E-06	1.2368E-06	2.50E-04	3.10E-10	14.00	1.57E-02	6.81E-11	1,000,000	6.81E-05	9.9E-04			
16	1.2631E-06	1.2265E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
17	1.2631E-06	1.2005E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
18	1.2631E-06	1.1589E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
19	1.2631E-06	1.1045E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.08E-11	1,000,000	6.08E-05	8.8E-04			
20	1.2631E-06	1.0452E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.75E-11	1,000,000	5.75E-05	8.3E-04			
21	1.2631E-06	9.8149E-07	2.50E-04	2.46E-10	14.00	1.57E-02	5.40E-11	1,000,000	5.40E-05	7.8E-04			
22	1.2631E-06	9.1559E-07	2.50E-04	2.29E-10	14.00	1.57E-02	5.04E-11	1,000,000	5.04E-05	7.3E-04			
23	1.2631E-06	5.8415E-07	2.50E-04	1.46E-10	14.00	1.57E-02	3.22E-11	1,000,000	3.22E-05	4.7E-04			
24	1.2631E-06	6.3139E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04			
25	1.2631E-06	6.8363E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.76E-11	1,000,000	3.76E-05	5.4E-04			
26	1.2631E-06	7.413E-07	2.50E-04	1.86E-10	14.00	1.57E-02	4.08E-11	1,000,000	4.08E-05	5.9E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
27	1.2631E-06	8.046E-07	2.50E-04	2.01E-10	14.00	1.57E-02	4.43E-11	1,000,000	4.43E-05	6.4E-04			
28	1.2631E-06	8.7428E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.81E-11	1,000,000	4.81E-05	7.0E-04			
29	1.2631E-06	9.488E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.22E-11	1,000,000	5.22E-05	7.6E-04			
30	1.2631E-06	1.0289E-06	2.50E-04	2.58E-10	14.00	1.57E-02	5.67E-11	1,000,000	5.67E-05	8.2E-04			
31	1.2631E-06	1.1119E-06	2.50E-04	2.78E-10	14.00	1.57E-02	6.12E-11	1,000,000	6.12E-05	8.9E-04			
32	1.2631E-06	1.1956E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.58E-11	1,000,000	6.58E-05	9.5E-04			
33	1.2631E-06	1.2757E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.02E-11	1,000,000	7.02E-05	1.0E-03			
34	1.2631E-06	1.3492E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.43E-11	1,000,000	7.43E-05	1.1E-03			
35	1.2631E-06	1.409E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
36	1.2631E-06	1.4491E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.98E-11	1,000,000	7.98E-05	1.2E-03			
37	1.2631E-06	1.4594E-06	2.50E-04	3.65E-10	14.00	1.57E-02	8.04E-11	1,000,000	8.04E-05	1.2E-03			
38	1.2631E-06	1.4453E-06	2.50E-04	3.62E-10	14.00	1.57E-02	7.96E-11	1,000,000	7.96E-05	1.2E-03			
39	1.2631E-06	1.4087E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
40	1.2631E-06	1.3492E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.43E-11	1,000,000	7.43E-05	1.1E-03			
41	1.2631E-06	1.2733E-06	2.50E-04	3.19E-10	14.00	1.57E-02	7.01E-11	1,000,000	7.01E-05	1.0E-03			
42	1.2631E-06	1.1892E-06	2.50E-04	2.98E-10	14.00	1.57E-02	6.55E-11	1,000,000	6.55E-05	9.5E-04			
43	1.2631E-06	1.1022E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
44	1.2631E-06	1.0228E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.63E-11	1,000,000	5.63E-05	8.1E-04			
45	1.2631E-06	6.1698E-07	2.50E-04	1.54E-10	14.00	1.57E-02	3.40E-11	1,000,000	3.40E-05	4.9E-04			
46	1.2631E-06	6.7064E-07	2.50E-04	1.68E-10	14.00	1.57E-02	3.69E-11	1,000,000	3.69E-05	5.3E-04			
47	1.2631E-06	7.3083E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.02E-11	1,000,000	4.02E-05	5.8E-04			
48	1.2631E-06	7.9829E-07	2.50E-04	2.00E-10	14.00	1.57E-02	4.40E-11	1,000,000	4.40E-05	6.4E-04			
49	1.2631E-06	8.7363E-07	2.50E-04	2.19E-10	14.00	1.57E-02	4.81E-11	1,000,000	4.81E-05	7.0E-04			
50	1.2631E-06	9.5756E-07	2.50E-04	2.40E-10	14.00	1.57E-02	5.27E-11	1,000,000	5.27E-05	7.6E-04			
51	1.2631E-06	1.0504E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.78E-11	1,000,000	5.78E-05	8.4E-04			
52	1.2631E-06	1.1517E-06	2.50E-04	2.88E-10	14.00	1.57E-02	6.34E-11	1,000,000	6.34E-05	9.2E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
53	1.2631E-06	1.2608E-06	2.50E-04	3.16E-10	14.00	1.57E-02	6.94E-11	1,000,000	6.94E-05	1.0E-03			
54	1.2631E-06	1.3734E-06	2.50E-04	3.44E-10	14.00	1.57E-02	7.56E-11	1,000,000	7.56E-05	1.1E-03			
55	1.2631E-06	1.4858E-06	2.50E-04	3.72E-10	14.00	1.57E-02	8.18E-11	1,000,000	8.18E-05	1.2E-03			
56	1.2631E-06	1.5913E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.76E-11	1,000,000	8.76E-05	1.3E-03			
57	1.2631E-06	1.6796E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.25E-11	1,000,000	9.25E-05	1.3E-03			
58	1.2631E-06	1.7433E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			
59	1.2631E-06	1.7601E-06	2.50E-04	4.40E-10	14.00	1.57E-02	9.69E-11	1,000,000	9.69E-05	1.4E-03			
60	1.2631E-06	1.738E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.57E-11	1,000,000	9.57E-05	1.4E-03			
61	1.2631E-06	1.6819E-06	2.50E-04	4.21E-10	14.00	1.57E-02	9.26E-11	1,000,000	9.26E-05	1.3E-03			
62	1.2631E-06	1.5919E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.76E-11	1,000,000	8.76E-05	1.3E-03			
63	1.2631E-06	1.4834E-06	2.50E-04	3.71E-10	14.00	1.57E-02	8.17E-11	1,000,000	8.17E-05	1.2E-03			
64	1.2631E-06	1.3683E-06	2.50E-04	3.42E-10	14.00	1.57E-02	7.53E-11	1,000,000	7.53E-05	1.1E-03			
65	1.2631E-06	1.2548E-06	2.50E-04	3.14E-10	14.00	1.57E-02	6.91E-11	1,000,000	6.91E-05	1.0E-03			
66	1.2631E-06	1.1468E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.31E-11	1,000,000	6.31E-05	9.1E-04			
67	1.2631E-06	6.4999E-07	2.50E-04	1.63E-10	14.00	1.57E-02	3.58E-11	1,000,000	3.58E-05	5.2E-04			
68	1.2631E-06	7.1058E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.91E-11	1,000,000	3.91E-05	5.7E-04			
69	1.2631E-06	7.7952E-07	2.50E-04	1.95E-10	14.00	1.57E-02	4.29E-11	1,000,000	4.29E-05	6.2E-04			
70	1.2631E-06	8.5789E-07	2.50E-04	2.15E-10	14.00	1.57E-02	4.72E-11	1,000,000	4.72E-05	6.8E-04			
71	1.2631E-06	9.4717E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.22E-11	1,000,000	5.22E-05	7.5E-04			
72	1.2631E-06	1.0487E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.77E-11	1,000,000	5.77E-05	8.4E-04			
73	1.2631E-06	1.1638E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.41E-11	1,000,000	6.41E-05	9.3E-04			
74	1.2631E-06	1.2926E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.12E-11	1,000,000	7.12E-05	1.0E-03			
75	1.2631E-06	1.4356E-06	2.50E-04	3.59E-10	14.00	1.57E-02	7.90E-11	1,000,000	7.90E-05	1.1E-03			
76	1.2631E-06	1.5908E-06	2.50E-04	3.98E-10	14.00	1.57E-02	8.76E-11	1,000,000	8.76E-05	1.3E-03			
77	1.2631E-06	1.7531E-06	2.50E-04	4.39E-10	14.00	1.57E-02	9.65E-11	1,000,000	9.65E-05	1.4E-03			
78	1.2631E-06	1.9134E-06	2.50E-04	4.79E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
79	1.2631E-06	2.0502E-06	2.50E-04	5.13E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
80	1.2631E-06	2.1467E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
81	1.2631E-06	2.1815E-06	2.50E-04	5.46E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
82	1.2631E-06	2.1515E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
83	1.2631E-06	2.0526E-06	2.50E-04	5.14E-10	14.00	1.57E-02	1.13E-10	1,000,000	1.13E-04	1.6E-03			
84	1.2631E-06	1.9138E-06	2.50E-04	4.79E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
85	1.2631E-06	1.7431E-06	2.50E-04	4.36E-10	14.00	1.57E-02	9.60E-11	1,000,000	9.60E-05	1.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
86	1.2631E-06	1.5868E-06	2.50E-04	3.97E-10	14.00	1.57E-02	8.74E-11	1,000,000	8.74E-05	1.3E-03			
87	1.2631E-06	1.4307E-06	2.50E-04	3.58E-10	14.00	1.57E-02	7.88E-11	1,000,000	7.88E-05	1.1E-03			
88	1.2631E-06	1.2895E-06	2.50E-04	3.23E-10	14.00	1.57E-02	7.10E-11	1,000,000	7.10E-05	1.0E-03			
89	1.2631E-06	6.8248E-07	2.50E-04	1.71E-10	14.00	1.57E-02	3.76E-11	1,000,000	3.76E-05	5.4E-04			
90	1.2631E-06	7.5036E-07	2.50E-04	1.88E-10	14.00	1.57E-02	4.13E-11	1,000,000	4.13E-05	6.0E-04			
91	1.2631E-06	8.2857E-07	2.50E-04	2.07E-10	14.00	1.57E-02	4.56E-11	1,000,000	4.56E-05	6.6E-04			
92	1.2631E-06	9.1906E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.06E-11	1,000,000	5.06E-05	7.3E-04			
93	1.2631E-06	1.0241E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.64E-11	1,000,000	5.64E-05	8.2E-04			
94	1.2631E-06	1.146E-06	2.50E-04	2.87E-10	14.00	1.57E-02	6.31E-11	1,000,000	6.31E-05	9.1E-04			
95	1.2631E-06	1.2877E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.09E-11	1,000,000	7.09E-05	1.0E-03			
96	1.2631E-06	1.452E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.99E-11	1,000,000	7.99E-05	1.2E-03			
97	1.2631E-06	1.6417E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.04E-11	1,000,000	9.04E-05	1.3E-03			
98	1.2631E-06	1.8565E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
99	1.2631E-06	2.0923E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
100	1.2631E-06	2.3387E-06	2.50E-04	5.85E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
101	1.2631E-06	2.5675E-06	2.50E-04	6.43E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
102	1.2631E-06	2.7372E-06	2.50E-04	6.85E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
103	1.2631E-06	2.8055E-06	2.50E-04	7.02E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
104	1.2631E-06	2.7423E-06	2.50E-04	6.86E-10	14.00	1.57E-02	1.51E-10	1,000,000	1.51E-04	2.2E-03			
105	1.2631E-06	2.577E-06	2.50E-04	6.45E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
106	1.2631E-06	2.3455E-06	2.50E-04	5.87E-10	14.00	1.57E-02	1.29E-10	1,000,000	1.29E-04	1.9E-03			
107	1.2631E-06	2.0936E-06	2.50E-04	5.24E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
108	1.2631E-06	1.8547E-06	2.50E-04	4.64E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
109	1.2631E-06	1.6384E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
110	1.2631E-06	1.4531E-06	2.50E-04	3.64E-10	14.00	1.57E-02	8.00E-11	1,000,000	8.00E-05	1.2E-03			
111	1.2631E-06	7.0394E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.88E-11	1,000,000	3.88E-05	5.6E-04			
112	1.2631E-06	7.8912E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.34E-11	1,000,000	4.34E-05	6.3E-04			
113	1.2631E-06	8.714E-07	2.50E-04	2.18E-10	14.00	1.57E-02	4.80E-11	1,000,000	4.80E-05	6.9E-04			
114	1.2631E-06	9.7699E-07	2.50E-04	2.45E-10	14.00	1.57E-02	5.38E-11	1,000,000	5.38E-05	7.8E-04			
115	1.2631E-06	1.1024E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.07E-11	1,000,000	6.07E-05	8.8E-04			
116	1.2631E-06	1.2474E-06	2.50E-04	3.12E-10	14.00	1.57E-02	6.87E-11	1,000,000	6.87E-05	9.9E-04			
117	1.2631E-06	1.4208E-06	2.50E-04	3.56E-10	14.00	1.57E-02	7.82E-11	1,000,000	7.82E-05	1.1E-03			
118	1.2631E-06	1.6293E-06	2.50E-04	4.08E-10	14.00	1.57E-02	8.97E-11	1,000,000	8.97E-05	1.3E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
119	1.2631E-06	1.8793E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
120	1.2631E-06	2.1784E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
121	1.2631E-06	2.531E-06	2.50E-04	6.33E-10	14.00	1.57E-02	1.39E-10	1,000,000	1.39E-04	2.0E-03			
122	1.2631E-06	2.9262E-06	2.50E-04	7.32E-10	14.00	1.57E-02	1.61E-10	1,000,000	1.61E-04	2.3E-03			
123	1.2631E-06	3.334E-06	2.50E-04	8.34E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
124	1.2631E-06	3.6693E-06	2.50E-04	9.18E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
125	1.2631E-06	3.8103E-06	2.50E-04	9.54E-10	14.00	1.57E-02	2.10E-10	1,000,000	2.10E-04	3.0E-03			
126	1.2631E-06	3.6764E-06	2.50E-04	9.20E-10	14.00	1.57E-02	2.02E-10	1,000,000	2.02E-04	2.9E-03			
127	1.2631E-06	3.3496E-06	2.50E-04	8.38E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
128	1.2631E-06	2.9425E-06	2.50E-04	7.36E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
129	1.2631E-06	2.5369E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
130	1.2631E-06	2.186E-06	2.50E-04	5.47E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
131	1.2631E-06	1.8851E-06	2.50E-04	4.72E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
132	1.2631E-06	1.6389E-06	2.50E-04	4.10E-10	14.00	1.57E-02	9.02E-11	1,000,000	9.02E-05	1.3E-03			
133	1.2631E-06	7.0342E-07	2.50E-04	1.76E-10	14.00	1.57E-02	3.87E-11	1,000,000	3.87E-05	5.6E-04			
134	1.2631E-06	7.8556E-07	2.50E-04	1.97E-10	14.00	1.57E-02	4.33E-11	1,000,000	4.33E-05	6.3E-04			
135	1.2631E-06	8.8296E-07	2.50E-04	2.21E-10	14.00	1.57E-02	4.86E-11	1,000,000	4.86E-05	7.0E-04			
136	1.2631E-06	1.0147E-06	2.50E-04	2.54E-10	14.00	1.57E-02	5.59E-11	1,000,000	5.59E-05	8.1E-04			
137	1.2631E-06	1.1798E-06	2.50E-04	2.95E-10	14.00	1.57E-02	6.50E-11	1,000,000	6.50E-05	9.4E-04			
138	1.2631E-06	1.35E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.43E-11	1,000,000	7.43E-05	1.1E-03			
139	1.2631E-06	1.5589E-06	2.50E-04	3.90E-10	14.00	1.57E-02	8.58E-11	1,000,000	8.58E-05	1.2E-03			
140	1.2631E-06	1.8187E-06	2.50E-04	4.55E-10	14.00	1.57E-02	1.00E-10	1,000,000	1.00E-04	1.4E-03			
141	1.2631E-06	2.1439E-06	2.50E-04	5.37E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
142	1.2631E-06	2.5572E-06	2.50E-04	6.40E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
143	1.2631E-06	3.0822E-06	2.50E-04	7.71E-10	14.00	1.57E-02	1.70E-10	1,000,000	1.70E-04	2.5E-03			
144	1.2631E-06	3.7413E-06	2.50E-04	9.36E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
145	1.2631E-06	4.5279E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
146	1.2631E-06	5.2979E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
147	1.2631E-06	5.6677E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.12E-10	1,000,000	3.12E-04	4.5E-03			
148	1.2631E-06	5.3161E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
149	1.2631E-06	4.5678E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
150	1.2631E-06	3.7714E-06	2.50E-04	9.44E-10	14.00	1.57E-02	2.08E-10	1,000,000	2.08E-04	3.0E-03			
151	1.2631E-06	3.1039E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
152	1.2631E-06	2.5835E-06	2.50E-04	6.47E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
153	1.2631E-06	2.1704E-06	2.50E-04	5.43E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
154	1.2631E-06	1.8458E-06	2.50E-04	4.62E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
155	1.2631E-06	6.7819E-07	2.50E-04	1.70E-10	14.00	1.57E-02	3.73E-11	1,000,000	3.73E-05	5.4E-04			
156	1.2631E-06	7.7063E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
157	1.2631E-06	8.9523E-07	2.50E-04	2.24E-10	14.00	1.57E-02	4.93E-11	1,000,000	4.93E-05	7.1E-04			
158	1.2631E-06	1.0219E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.63E-11	1,000,000	5.63E-05	8.1E-04			
159	1.2631E-06	1.1951E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.58E-11	1,000,000	6.58E-05	9.5E-04			
160	1.2631E-06	1.4017E-06	2.50E-04	3.51E-10	14.00	1.57E-02	7.72E-11	1,000,000	7.72E-05	1.1E-03			
161	1.2631E-06	1.6752E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
162	1.2631E-06	2.0111E-06	2.50E-04	5.03E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
163	1.2631E-06	2.4245E-06	2.50E-04	6.07E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
164	1.2631E-06	2.9793E-06	2.50E-04	7.46E-10	14.00	1.57E-02	1.64E-10	1,000,000	1.64E-04	2.4E-03			
165	1.2631E-06	3.7456E-06	2.50E-04	9.37E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
166	1.2631E-06	4.8412E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.67E-10	1,000,000	2.67E-04	3.9E-03			
167	1.2631E-06	6.4509E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
168	1.2631E-06	8.6843E-06	2.50E-04	2.17E-09	14.00	1.57E-02	4.78E-10	1,000,000	4.78E-04	6.9E-03			
169	1.2631E-06	1.0208E-05	2.50E-04	2.55E-09	14.00	1.57E-02	5.62E-10	1,000,000	5.62E-04	8.1E-03			
170	1.2631E-06	8.7169E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
171	1.2631E-06	6.5194E-06	2.50E-04	1.63E-09	14.00	1.57E-02	3.59E-10	1,000,000	3.59E-04	5.2E-03			
172	1.2631E-06	4.9465E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
173	1.2631E-06	3.8357E-06	2.50E-04	9.60E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
174	1.2631E-06	3.0591E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
175	1.2631E-06	2.5001E-06	2.50E-04	6.26E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
176	1.2631E-06	2.0789E-06	2.50E-04	5.20E-10	14.00	1.57E-02	1.14E-10	1,000,000	1.14E-04	1.7E-03			
177	1.2631E-06	6.6838E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.68E-11	1,000,000	3.68E-05	5.3E-04			
178	1.2631E-06	7.7048E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
179	1.2631E-06	9.0511E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.98E-11	1,000,000	4.98E-05	7.2E-04			
180	1.2631E-06	1.058E-06	2.50E-04	2.65E-10	14.00	1.57E-02	5.83E-11	1,000,000	5.83E-05	8.4E-04			
181	1.2631E-06	1.2353E-06	2.50E-04	3.09E-10	14.00	1.57E-02	6.80E-11	1,000,000	6.80E-05	9.8E-04			
182	1.2631E-06	1.4527E-06	2.50E-04	3.64E-10	14.00	1.57E-02	8.00E-11	1,000,000	8.00E-05	1.2E-03			
183	1.2631E-06	1.7399E-06	2.50E-04	4.35E-10	14.00	1.57E-02	9.58E-11	1,000,000	9.58E-05	1.4E-03			
184	1.2631E-06	3.6418E-05	2.50E-04	9.11E-09	14.00	1.57E-02	2.01E-09	1,000,000	2.01E-03	2.9E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
185	1.2631E-06	1.7209E-05	2.50E-04	4.31E-09	14.00	1.57E-02	9.48E-10	1,000,000	9.48E-04	1.4E-02			
186	1.2631E-06	9.8506E-06	2.50E-04	2.47E-09	14.00	1.57E-02	5.42E-10	1,000,000	5.42E-04	7.8E-03			
187	1.2631E-06	6.5446E-06	2.50E-04	1.64E-09	14.00	1.57E-02	3.60E-10	1,000,000	3.60E-04	5.2E-03			
188	1.2631E-06	4.7282E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.60E-10	1,000,000	2.60E-04	3.8E-03			
189	1.2631E-06	3.6107E-06	2.50E-04	9.04E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
190	1.2631E-06	2.8584E-06	2.50E-04	7.15E-10	14.00	1.57E-02	1.57E-10	1,000,000	1.57E-04	2.3E-03			
191	1.2631E-06	2.3233E-06	2.50E-04	5.81E-10	14.00	1.57E-02	1.28E-10	1,000,000	1.28E-04	1.9E-03			
192	1.2631E-06	6.3829E-07	2.50E-04	1.60E-10	14.00	1.57E-02	3.51E-11	1,000,000	3.51E-05	5.1E-04			
193	1.2631E-06	7.3625E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.05E-11	1,000,000	4.05E-05	5.9E-04			
194	1.2631E-06	8.6898E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.78E-11	1,000,000	4.78E-05	6.9E-04			
195	1.2631E-06	1.0232E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.63E-11	1,000,000	5.63E-05	8.1E-04			
196	1.2631E-06	1.2256E-06	2.50E-04	3.07E-10	14.00	1.57E-02	6.75E-11	1,000,000	6.75E-05	9.8E-04			
197	1.2631E-06	1.4513E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.99E-11	1,000,000	7.99E-05	1.2E-03			
198	1.2631E-06	1.7759E-06	2.50E-04	4.44E-10	14.00	1.57E-02	9.78E-11	1,000,000	9.78E-05	1.4E-03			
199	1.2631E-06	3.7372E-06	2.50E-04	9.35E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
200	1.2631E-06	7.4695E-05	2.50E-04	1.87E-08	14.00	1.57E-02	4.11E-09	1,000,000	4.11E-03	5.9E-02			
201	1.2631E-06	3.2686E-05	2.50E-04	8.18E-09	14.00	1.57E-02	1.80E-09	1,000,000	1.80E-03	2.6E-02			
202	1.2631E-06	1.4024E-05	2.50E-04	3.51E-09	14.00	1.57E-02	7.72E-10	1,000,000	7.72E-04	1.1E-02			
203	1.2631E-06	8.4007E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.63E-10	1,000,000	4.63E-04	6.7E-03			
204	1.2631E-06	5.7187E-06	2.50E-04	1.43E-09	14.00	1.57E-02	3.15E-10	1,000,000	3.15E-04	4.6E-03			
205	1.2631E-06	4.1937E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
206	1.2631E-06	3.227E-06	2.50E-04	8.08E-10	14.00	1.57E-02	1.78E-10	1,000,000	1.78E-04	2.6E-03			
207	1.2631E-06	2.5737E-06	2.50E-04	6.44E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.0E-03			
208	1.2631E-06	6.0146E-07	2.50E-04	1.51E-10	14.00	1.57E-02	3.31E-11	1,000,000	3.31E-05	4.8E-04			
209	1.2631E-06	6.9522E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.83E-11	1,000,000	3.83E-05	5.5E-04			
210	1.2631E-06	7.8944E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.35E-11	1,000,000	4.35E-05	6.3E-04			
211	1.2631E-06	9.5044E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.23E-11	1,000,000	5.23E-05	7.6E-04			
212	1.2631E-06	1.1329E-06	2.50E-04	2.84E-10	14.00	1.57E-02	6.24E-11	1,000,000	6.24E-05	9.0E-04			
213	1.2631E-06	1.3896E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.65E-11	1,000,000	7.65E-05	1.1E-03			
214	1.2631E-06	1.7482E-06	2.50E-04	4.38E-10	14.00	1.57E-02	9.63E-11	1,000,000	9.63E-05	1.4E-03			
215	1.2631E-06	2.2065E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
216	1.2631E-06	2.94E-06	2.50E-04	7.36E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
217	1.2631E-06	3.9152E-06	2.50E-04	9.80E-10	14.00	1.57E-02	2.16E-10	1,000,000	2.16E-04	3.1E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
218	1.2631E-06	3.1042E-05	2.50E-04	7.77E-09	14.00	1.57E-02	1.71E-09	1,000,000	1.71E-03	2.5E-02			
219	1.2631E-06	8.4529E-05	2.50E-04	2.12E-08	14.00	1.57E-02	4.65E-09	1,000,000	4.65E-03	6.7E-02			
220	1.2631E-06	3.9452E-05	2.50E-04	9.87E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.1E-02			
221	1.2631E-06	1.7169E-05	2.50E-04	4.30E-09	14.00	1.57E-02	9.45E-10	1,000,000	9.45E-04	1.4E-02			
222	1.2631E-06	9.9578E-06	2.50E-04	2.49E-09	14.00	1.57E-02	5.48E-10	1,000,000	5.48E-04	7.9E-03			
223	1.2631E-06	6.585E-06	2.50E-04	1.65E-09	14.00	1.57E-02	3.63E-10	1,000,000	3.63E-04	5.2E-03			
224	1.2631E-06	4.7112E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.8E-03			
225	1.2631E-06	3.555E-06	2.50E-04	8.90E-10	14.00	1.57E-02	1.96E-10	1,000,000	1.96E-04	2.8E-03			
226	1.2631E-06	2.7936E-06	2.50E-04	6.99E-10	14.00	1.57E-02	1.54E-10	1,000,000	1.54E-04	2.2E-03			
227	1.2631E-06	5.5442E-07	2.50E-04	1.39E-10	14.00	1.57E-02	3.05E-11	1,000,000	3.05E-05	4.4E-04			
228	1.2631E-06	6.3377E-07	2.50E-04	1.59E-10	14.00	1.57E-02	3.49E-11	1,000,000	3.49E-05	5.0E-04			
229	1.2631E-06	7.3118E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.03E-11	1,000,000	4.03E-05	5.8E-04			
230	1.2631E-06	8.6505E-07	2.50E-04	2.16E-10	14.00	1.57E-02	4.76E-11	1,000,000	4.76E-05	6.9E-04			
231	1.2631E-06	1.047E-06	2.50E-04	2.62E-10	14.00	1.57E-02	5.76E-11	1,000,000	5.76E-05	8.3E-04			
232	1.2631E-06	1.2589E-06	2.50E-04	3.15E-10	14.00	1.57E-02	6.93E-11	1,000,000	6.93E-05	1.0E-03			
233	1.2631E-06	1.6447E-06	2.50E-04	4.12E-10	14.00	1.57E-02	9.06E-11	1,000,000	9.06E-05	1.3E-03			
234	1.2631E-06	2.1164E-06	2.50E-04	5.30E-10	14.00	1.57E-02	1.17E-10	1,000,000	1.17E-04	1.7E-03			
235	1.2631E-06	2.8176E-06	2.50E-04	7.05E-10	14.00	1.57E-02	1.55E-10	1,000,000	1.55E-04	2.2E-03			
236	1.2631E-06	3.8847E-06	2.50E-04	9.72E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
237	1.2631E-06	5.5842E-06	2.50E-04	1.40E-09	14.00	1.57E-02	3.07E-10	1,000,000	3.07E-04	4.4E-03			
238	1.2631E-06	8.6275E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.75E-10	1,000,000	4.75E-04	6.9E-03			
239	1.2631E-06	1.5016E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
240	1.2631E-06	3.2516E-05	2.50E-04	8.14E-09	14.00	1.57E-02	1.79E-09	1,000,000	1.79E-03	2.6E-02			
241	1.2631E-06	9.1721E-05	2.50E-04	2.30E-08	14.00	1.57E-02	5.05E-09	1,000,000	5.05E-03	7.3E-02			
242	1.2631E-06	4.1378E-05	2.50E-04	1.04E-08	14.00	1.57E-02	2.28E-09	1,000,000	2.28E-03	3.3E-02			
243	1.2631E-06	1.8478E-05	2.50E-04	4.62E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
244	1.2631E-06	1.0775E-05	2.50E-04	2.70E-09	14.00	1.57E-02	5.93E-10	1,000,000	5.93E-04	8.6E-03			
245	1.2631E-06	7.1069E-06	2.50E-04	1.78E-09	14.00	1.57E-02	3.91E-10	1,000,000	3.91E-04	5.7E-03			
246	1.2631E-06	5.0543E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
247	1.2631E-06	3.7895E-06	2.50E-04	9.48E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
248	1.2631E-06	2.9582E-06	2.50E-04	7.40E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			
249	1.2631E-06	5.1243E-07	2.50E-04	1.28E-10	14.00	1.57E-02	2.82E-11	1,000,000	2.82E-05	4.1E-04			
250	1.2631E-06	5.8093E-07	2.50E-04	1.45E-10	14.00	1.57E-02	3.20E-11	1,000,000	3.20E-05	4.6E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
251	1.2631E-06	6.6532E-07	2.50E-04	1.67E-10	14.00	1.57E-02	3.66E-11	1,000,000	3.66E-05	5.3E-04			
252	1.2631E-06	7.9256E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.36E-11	1,000,000	4.36E-05	6.3E-04			
253	1.2631E-06	9.4736E-07	2.50E-04	2.37E-10	14.00	1.57E-02	5.22E-11	1,000,000	5.22E-05	7.5E-04			
254	1.2631E-06	1.1998E-06	2.50E-04	3.00E-10	14.00	1.57E-02	6.61E-11	1,000,000	6.61E-05	9.6E-04			
255	1.2631E-06	1.5101E-06	2.50E-04	3.78E-10	14.00	1.57E-02	8.31E-11	1,000,000	8.31E-05	1.2E-03			
256	1.2631E-06	2.0326E-06	2.50E-04	5.09E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
257	1.2631E-06	2.661E-06	2.50E-04	6.66E-10	14.00	1.57E-02	1.47E-10	1,000,000	1.47E-04	2.1E-03			
258	1.2631E-06	3.6454E-06	2.50E-04	9.12E-10	14.00	1.57E-02	2.01E-10	1,000,000	2.01E-04	2.9E-03			
259	1.2631E-06	5.3864E-06	2.50E-04	1.35E-09	14.00	1.57E-02	2.97E-10	1,000,000	2.97E-04	4.3E-03			
260	1.2631E-06	8.4381E-06	2.50E-04	2.11E-09	14.00	1.57E-02	4.65E-10	1,000,000	4.65E-04	6.7E-03			
261	1.2631E-06	1.4717E-05	2.50E-04	3.68E-09	14.00	1.57E-02	8.10E-10	1,000,000	8.10E-04	1.2E-02			
262	1.2631E-06	3.2183E-05	2.50E-04	8.05E-09	14.00	1.57E-02	1.77E-09	1,000,000	1.77E-03	2.6E-02			
263	1.2631E-06	8.5013E-05	2.50E-04	2.13E-08	14.00	1.57E-02	4.68E-09	1,000,000	4.68E-03	6.8E-02			
264	1.2631E-06	4.0928E-05	2.50E-04	1.02E-08	14.00	1.57E-02	2.25E-09	1,000,000	2.25E-03	3.3E-02			
265	1.2631E-06	1.8496E-05	2.50E-04	4.63E-09	14.00	1.57E-02	1.02E-09	1,000,000	1.02E-03	1.5E-02			
266	1.2631E-06	1.0872E-05	2.50E-04	2.72E-09	14.00	1.57E-02	5.99E-10	1,000,000	5.99E-04	8.7E-03			
267	1.2631E-06	7.2268E-06	2.50E-04	1.81E-09	14.00	1.57E-02	3.98E-10	1,000,000	3.98E-04	5.8E-03			
268	1.2631E-06	5.1642E-06	2.50E-04	1.29E-09	14.00	1.57E-02	2.84E-10	1,000,000	2.84E-04	4.1E-03			
269	1.2631E-06	3.8823E-06	2.50E-04	9.72E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
270	1.2631E-06	3.0333E-06	2.50E-04	7.59E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
271	1.2631E-06	4.5952E-07	2.50E-04	1.15E-10	14.00	1.57E-02	2.53E-11	1,000,000	2.53E-05	3.7E-04			
272	1.2631E-06	5.1844E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.85E-11	1,000,000	2.85E-05	4.1E-04			
273	1.2631E-06	6.0052E-07	2.50E-04	1.50E-10	14.00	1.57E-02	3.31E-11	1,000,000	3.31E-05	4.8E-04			
274	1.2631E-06	7.0568E-07	2.50E-04	1.77E-10	14.00	1.57E-02	3.89E-11	1,000,000	3.89E-05	5.6E-04			
275	1.2631E-06	8.4871E-07	2.50E-04	2.12E-10	14.00	1.57E-02	4.67E-11	1,000,000	4.67E-05	6.8E-04			
276	1.2631E-06	1.0637E-06	2.50E-04	2.66E-10	14.00	1.57E-02	5.86E-11	1,000,000	5.86E-05	8.5E-04			
277	1.2631E-06	1.3513E-06	2.50E-04	3.38E-10	14.00	1.57E-02	7.44E-11	1,000,000	7.44E-05	1.1E-03			
278	1.2631E-06	1.7359E-06	2.50E-04	4.34E-10	14.00	1.57E-02	9.56E-11	1,000,000	9.56E-05	1.4E-03			
279	1.2631E-06	2.3793E-06	2.50E-04	5.95E-10	14.00	1.57E-02	1.31E-10	1,000,000	1.31E-04	1.9E-03			
280	1.2631E-06	3.3383E-06	2.50E-04	8.35E-10	14.00	1.57E-02	1.84E-10	1,000,000	1.84E-04	2.7E-03			
281	1.2631E-06	4.9491E-06	2.50E-04	1.24E-09	14.00	1.57E-02	2.72E-10	1,000,000	2.72E-04	3.9E-03			
282	1.2631E-06	7.8278E-06	2.50E-04	1.96E-09	14.00	1.57E-02	4.31E-10	1,000,000	4.31E-04	6.2E-03			
283	1.2631E-06	1.3525E-05	2.50E-04	3.38E-09	14.00	1.57E-02	7.45E-10	1,000,000	7.45E-04	1.1E-02			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
284	1.2631E-06	2.9488E-05	2.50E-04	7.38E-09	14.00	1.57E-02	1.62E-09	1,000,000	1.62E-03	2.3E-02			
285	1.2631E-06	7.8316E-05	2.50E-04	1.96E-08	14.00	1.57E-02	4.31E-09	1,000,000	4.31E-03	6.2E-02			
286	1.2631E-06	3.9462E-05	2.50E-04	9.88E-09	14.00	1.57E-02	2.17E-09	1,000,000	2.17E-03	3.1E-02			
287	1.2631E-06	1.7366E-05	2.50E-04	4.35E-09	14.00	1.57E-02	9.56E-10	1,000,000	9.56E-04	1.4E-02			
288	1.2631E-06	1.0338E-05	2.50E-04	2.59E-09	14.00	1.57E-02	5.69E-10	1,000,000	5.69E-04	8.2E-03			
289	1.2631E-06	7.0033E-06	2.50E-04	1.75E-09	14.00	1.57E-02	3.86E-10	1,000,000	3.86E-04	5.6E-03			
290	1.2631E-06	5.0401E-06	2.50E-04	1.26E-09	14.00	1.57E-02	2.78E-10	1,000,000	2.78E-04	4.0E-03			
291	1.2631E-06	3.8277E-06	2.50E-04	9.58E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.0E-03			
292	1.2631E-06	3.0122E-06	2.50E-04	7.54E-10	14.00	1.57E-02	1.66E-10	1,000,000	1.66E-04	2.4E-03			
293	1.2631E-06	4.1686E-07	2.50E-04	1.04E-10	14.00	1.57E-02	2.30E-11	1,000,000	2.30E-05	3.3E-04			
294	1.2631E-06	4.7302E-07	2.50E-04	1.18E-10	14.00	1.57E-02	2.60E-11	1,000,000	2.60E-05	3.8E-04			
295	1.2631E-06	5.4306E-07	2.50E-04	1.36E-10	14.00	1.57E-02	2.99E-11	1,000,000	2.99E-05	4.3E-04			
296	1.2631E-06	6.2831E-07	2.50E-04	1.57E-10	14.00	1.57E-02	3.46E-11	1,000,000	3.46E-05	5.0E-04			
297	1.2631E-06	7.6233E-07	2.50E-04	1.91E-10	14.00	1.57E-02	4.20E-11	1,000,000	4.20E-05	6.1E-04			
298	1.2631E-06	9.3647E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.16E-11	1,000,000	5.16E-05	7.5E-04			
299	1.2631E-06	1.1853E-06	2.50E-04	2.97E-10	14.00	1.57E-02	6.53E-11	1,000,000	6.53E-05	9.4E-04			
300	1.2631E-06	1.575E-06	2.50E-04	3.94E-10	14.00	1.57E-02	8.67E-11	1,000,000	8.67E-05	1.3E-03			
301	1.2631E-06	2.0378E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
302	1.2631E-06	2.9384E-06	2.50E-04	7.35E-10	14.00	1.57E-02	1.62E-10	1,000,000	1.62E-04	2.3E-03			
303	1.2631E-06	4.2999E-06	2.50E-04	1.08E-09	14.00	1.57E-02	2.37E-10	1,000,000	2.37E-04	3.4E-03			
304	1.2631E-06	6.7211E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.70E-10	1,000,000	3.70E-04	5.4E-03			
305	1.2631E-06	1.1267E-05	2.50E-04	2.82E-09	14.00	1.57E-02	6.20E-10	1,000,000	6.20E-04	9.0E-03			
306	1.2631E-06	2.4503E-05	2.50E-04	6.13E-09	14.00	1.57E-02	1.35E-09	1,000,000	1.35E-03	2.0E-02			
307	1.2631E-06	6.734E-05	2.50E-04	1.69E-08	14.00	1.57E-02	3.71E-09	1,000,000	3.71E-03	5.4E-02			
308	1.2631E-06	3.4075E-05	2.50E-04	8.53E-09	14.00	1.57E-02	1.88E-09	1,000,000	1.88E-03	2.7E-02			
309	1.2631E-06	1.5021E-05	2.50E-04	3.76E-09	14.00	1.57E-02	8.27E-10	1,000,000	8.27E-04	1.2E-02			
310	1.2631E-06	9.1016E-06	2.50E-04	2.28E-09	14.00	1.57E-02	5.01E-10	1,000,000	5.01E-04	7.2E-03			
311	1.2631E-06	6.3133E-06	2.50E-04	1.58E-09	14.00	1.57E-02	3.48E-10	1,000,000	3.48E-04	5.0E-03			
312	1.2631E-06	4.6971E-06	2.50E-04	1.18E-09	14.00	1.57E-02	2.59E-10	1,000,000	2.59E-04	3.7E-03			
313	1.2631E-06	3.6292E-06	2.50E-04	9.08E-10	14.00	1.57E-02	2.00E-10	1,000,000	2.00E-04	2.9E-03			
314	1.2631E-06	2.8965E-06	2.50E-04	7.25E-10	14.00	1.57E-02	1.59E-10	1,000,000	1.59E-04	2.3E-03			
315	1.2631E-06	3.7215E-07	2.50E-04	9.31E-11	14.00	1.57E-02	2.05E-11	1,000,000	2.05E-05	3.0E-04			
316	1.2631E-06	4.2362E-07	2.50E-04	1.06E-10	14.00	1.57E-02	2.33E-11	1,000,000	2.33E-05	3.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
317	1.2631E-06	4.8516E-07	2.50E-04	1.21E-10	14.00	1.57E-02	2.67E-11	1,000,000	2.67E-05	3.9E-04			
318	1.2631E-06	5.6066E-07	2.50E-04	1.40E-10	14.00	1.57E-02	3.09E-11	1,000,000	3.09E-05	4.5E-04			
319	1.2631E-06	6.532E-07	2.50E-04	1.63E-10	14.00	1.57E-02	3.60E-11	1,000,000	3.60E-05	5.2E-04			
320	1.2631E-06	8.3049E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.57E-11	1,000,000	4.57E-05	6.6E-04			
321	1.2631E-06	1.0209E-06	2.50E-04	2.56E-10	14.00	1.57E-02	5.62E-11	1,000,000	5.62E-05	8.1E-04			
322	1.2631E-06	1.3189E-06	2.50E-04	3.30E-10	14.00	1.57E-02	7.26E-11	1,000,000	7.26E-05	1.1E-03			
323	1.2631E-06	1.7891E-06	2.50E-04	4.48E-10	14.00	1.57E-02	9.85E-11	1,000,000	9.85E-05	1.4E-03			
324	1.2631E-06	2.4518E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
325	1.2631E-06	3.5403E-06	2.50E-04	8.86E-10	14.00	1.57E-02	1.95E-10	1,000,000	1.95E-04	2.8E-03			
326	1.2631E-06	5.3216E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.93E-10	1,000,000	2.93E-04	4.2E-03			
327	1.2631E-06	8.7215E-06	2.50E-04	2.18E-09	14.00	1.57E-02	4.80E-10	1,000,000	4.80E-04	6.9E-03			
328	1.2631E-06	1.4749E-05	2.50E-04	3.69E-09	14.00	1.57E-02	8.12E-10	1,000,000	8.12E-04	1.2E-02			
329	1.2631E-06	3.7117E-05	2.50E-04	9.29E-09	14.00	1.57E-02	2.04E-09	1,000,000	2.04E-03	3.0E-02			
330	1.2631E-06	1.9259E-05	2.50E-04	4.82E-09	14.00	1.57E-02	1.06E-09	1,000,000	1.06E-03	1.5E-02			
331	1.2631E-06	1.0786E-05	2.50E-04	2.70E-09	14.00	1.57E-02	5.94E-10	1,000,000	5.94E-04	8.6E-03			
332	1.2631E-06	7.2661E-06	2.50E-04	1.82E-09	14.00	1.57E-02	4.00E-10	1,000,000	4.00E-04	5.8E-03			
333	1.2631E-06	5.3114E-06	2.50E-04	1.33E-09	14.00	1.57E-02	2.92E-10	1,000,000	2.92E-04	4.2E-03			
334	1.2631E-06	4.1307E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.27E-10	1,000,000	2.27E-04	3.3E-03			
335	1.2631E-06	3.3048E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
336	1.2631E-06	2.7064E-06	2.50E-04	6.77E-10	14.00	1.57E-02	1.49E-10	1,000,000	1.49E-04	2.2E-03			
337	1.2631E-06	3.4256E-07	2.50E-04	8.57E-11	14.00	1.57E-02	1.89E-11	1,000,000	1.89E-05	2.7E-04			
338	1.2631E-06	3.8587E-07	2.50E-04	9.66E-11	14.00	1.57E-02	2.12E-11	1,000,000	2.12E-05	3.1E-04			
339	1.2631E-06	4.3407E-07	2.50E-04	1.09E-10	14.00	1.57E-02	2.39E-11	1,000,000	2.39E-05	3.5E-04			
340	1.2631E-06	5.0768E-07	2.50E-04	1.27E-10	14.00	1.57E-02	2.80E-11	1,000,000	2.80E-05	4.0E-04			
341	1.2631E-06	5.8823E-07	2.50E-04	1.47E-10	14.00	1.57E-02	3.24E-11	1,000,000	3.24E-05	4.7E-04			
342	1.2631E-06	7.3227E-07	2.50E-04	1.83E-10	14.00	1.57E-02	4.03E-11	1,000,000	4.03E-05	5.8E-04			
343	1.2631E-06	8.8102E-07	2.50E-04	2.20E-10	14.00	1.57E-02	4.85E-11	1,000,000	4.85E-05	7.0E-04			
344	1.2631E-06	1.1228E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.18E-11	1,000,000	6.18E-05	8.9E-04			
345	1.2631E-06	1.4763E-06	2.50E-04	3.69E-10	14.00	1.57E-02	8.13E-11	1,000,000	8.13E-05	1.2E-03			
346	1.2631E-06	2.0279E-06	2.50E-04	5.08E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
347	1.2631E-06	2.7329E-06	2.50E-04	6.84E-10	14.00	1.57E-02	1.50E-10	1,000,000	1.50E-04	2.2E-03			
348	1.2631E-06	3.8944E-06	2.50E-04	9.75E-10	14.00	1.57E-02	2.14E-10	1,000,000	2.14E-04	3.1E-03			
349	1.2631E-06	5.0129E-06	2.50E-04	1.25E-09	14.00	1.57E-02	2.76E-10	1,000,000	2.76E-04	4.0E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
350	1.2631E-06	7.162E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.94E-10	1,000,000	3.94E-04	5.7E-03			
351	1.2631E-06	9.1377E-06	2.50E-04	2.29E-09	14.00	1.57E-02	5.03E-10	1,000,000	5.03E-04	7.3E-03			
352	1.2631E-06	8.1941E-06	2.50E-04	2.05E-09	14.00	1.57E-02	4.51E-10	1,000,000	4.51E-04	6.5E-03			
353	1.2631E-06	6.7014E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.69E-10	1,000,000	3.69E-04	5.3E-03			
354	1.2631E-06	5.2157E-06	2.50E-04	1.31E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
355	1.2631E-06	4.1954E-06	2.50E-04	1.05E-09	14.00	1.57E-02	2.31E-10	1,000,000	2.31E-04	3.3E-03			
356	1.2631E-06	3.4447E-06	2.50E-04	8.62E-10	14.00	1.57E-02	1.90E-10	1,000,000	1.90E-04	2.7E-03			
357	1.2631E-06	2.8624E-06	2.50E-04	7.16E-10	14.00	1.57E-02	1.58E-10	1,000,000	1.58E-04	2.3E-03			
358	1.2631E-06	2.4141E-06	2.50E-04	6.04E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
359	1.2631E-06	3.0968E-07	2.50E-04	7.75E-11	14.00	1.57E-02	1.71E-11	1,000,000	1.71E-05	2.5E-04			
360	1.2631E-06	3.5003E-07	2.50E-04	8.76E-11	14.00	1.57E-02	1.93E-11	1,000,000	1.93E-05	2.8E-04			
361	1.2631E-06	3.9557E-07	2.50E-04	9.90E-11	14.00	1.57E-02	2.18E-11	1,000,000	2.18E-05	3.2E-04			
362	1.2631E-06	4.5195E-07	2.50E-04	1.13E-10	14.00	1.57E-02	2.49E-11	1,000,000	2.49E-05	3.6E-04			
363	1.2631E-06	5.181E-07	2.50E-04	1.30E-10	14.00	1.57E-02	2.85E-11	1,000,000	2.85E-05	4.1E-04			
364	1.2631E-06	6.2325E-07	2.50E-04	1.56E-10	14.00	1.57E-02	3.43E-11	1,000,000	3.43E-05	5.0E-04			
365	1.2631E-06	7.6007E-07	2.50E-04	1.90E-10	14.00	1.57E-02	4.18E-11	1,000,000	4.18E-05	6.1E-04			
366	1.2631E-06	9.5274E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.25E-11	1,000,000	5.25E-05	7.6E-04			
367	1.2631E-06	1.2489E-06	2.50E-04	3.13E-10	14.00	1.57E-02	6.88E-11	1,000,000	6.88E-05	9.9E-04			
368	1.2631E-06	1.6106E-06	2.50E-04	4.03E-10	14.00	1.57E-02	8.87E-11	1,000,000	8.87E-05	1.3E-03			
369	1.2631E-06	2.0378E-06	2.50E-04	5.10E-10	14.00	1.57E-02	1.12E-10	1,000,000	1.12E-04	1.6E-03			
370	1.2631E-06	2.5366E-06	2.50E-04	6.35E-10	14.00	1.57E-02	1.40E-10	1,000,000	1.40E-04	2.0E-03			
371	1.2631E-06	3.2668E-06	2.50E-04	8.18E-10	14.00	1.57E-02	1.80E-10	1,000,000	1.80E-04	2.6E-03			
372	1.2631E-06	4.0137E-06	2.50E-04	1.00E-09	14.00	1.57E-02	2.21E-10	1,000,000	2.21E-04	3.2E-03			
373	1.2631E-06	4.3889E-06	2.50E-04	1.10E-09	14.00	1.57E-02	2.42E-10	1,000,000	2.42E-04	3.5E-03			
374	1.2631E-06	4.2546E-06	2.50E-04	1.06E-09	14.00	1.57E-02	2.34E-10	1,000,000	2.34E-04	3.4E-03			
375	1.2631E-06	4.1039E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.26E-10	1,000,000	2.26E-04	3.3E-03			
376	1.2631E-06	3.597E-06	2.50E-04	9.00E-10	14.00	1.57E-02	1.98E-10	1,000,000	1.98E-04	2.9E-03			
377	1.2631E-06	3.1464E-06	2.50E-04	7.87E-10	14.00	1.57E-02	1.73E-10	1,000,000	1.73E-04	2.5E-03			
378	1.2631E-06	2.7839E-06	2.50E-04	6.97E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
379	1.2631E-06	2.4146E-06	2.50E-04	6.04E-10	14.00	1.57E-02	1.33E-10	1,000,000	1.33E-04	1.9E-03			
380	1.2631E-06	2.0899E-06	2.50E-04	5.23E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
381	1.2631E-06	7.2192E-07	2.50E-04	1.81E-10	14.00	1.57E-02	3.97E-11	1,000,000	3.97E-05	5.8E-04			
382	1.2631E-06	7.9039E-07	2.50E-04	1.98E-10	14.00	1.57E-02	4.35E-11	1,000,000	4.35E-05	6.3E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
383	1.2631E-06	8.6768E-07	2.50E-04	2.17E-10	14.00	1.57E-02	4.78E-11	1,000,000	4.78E-05	6.9E-04			
384	1.2631E-06	9.548E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.26E-11	1,000,000	5.26E-05	7.6E-04			
385	1.2631E-06	1.0528E-06	2.50E-04	2.63E-10	14.00	1.57E-02	5.80E-11	1,000,000	5.80E-05	8.4E-04			
386	1.2631E-06	1.1616E-06	2.50E-04	2.91E-10	14.00	1.57E-02	6.40E-11	1,000,000	6.40E-05	9.3E-04			
387	1.2631E-06	1.2806E-06	2.50E-04	3.21E-10	14.00	1.57E-02	7.05E-11	1,000,000	7.05E-05	1.0E-03			
388	1.2631E-06	1.4095E-06	2.50E-04	3.53E-10	14.00	1.57E-02	7.76E-11	1,000,000	7.76E-05	1.1E-03			
389	1.2631E-06	1.544E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.50E-11	1,000,000	8.50E-05	1.2E-03			
390	1.2631E-06	1.6773E-06	2.50E-04	4.20E-10	14.00	1.57E-02	9.23E-11	1,000,000	9.23E-05	1.3E-03			
391	1.2631E-06	1.798E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.90E-11	1,000,000	9.90E-05	1.4E-03			
392	1.2631E-06	1.8924E-06	2.50E-04	4.74E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
393	1.2631E-06	1.9449E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.5E-03			
394	1.2631E-06	1.9477E-06	2.50E-04	4.87E-10	14.00	1.57E-02	1.07E-10	1,000,000	1.07E-04	1.6E-03			
395	1.2631E-06	1.893E-06	2.50E-04	4.74E-10	14.00	1.57E-02	1.04E-10	1,000,000	1.04E-04	1.5E-03			
396	1.2631E-06	1.7967E-06	2.50E-04	4.50E-10	14.00	1.57E-02	9.89E-11	1,000,000	9.89E-05	1.4E-03			
397	1.2631E-06	1.6737E-06	2.50E-04	4.19E-10	14.00	1.57E-02	9.22E-11	1,000,000	9.22E-05	1.3E-03			
398	1.2631E-06	1.5374E-06	2.50E-04	3.85E-10	14.00	1.57E-02	8.47E-11	1,000,000	8.47E-05	1.2E-03			
399	1.2631E-06	7.6605E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
400	1.2631E-06	8.4475E-07	2.50E-04	2.11E-10	14.00	1.57E-02	4.65E-11	1,000,000	4.65E-05	6.7E-04			
401	1.2631E-06	9.3522E-07	2.50E-04	2.34E-10	14.00	1.57E-02	5.15E-11	1,000,000	5.15E-05	7.4E-04			
402	1.2631E-06	1.0392E-06	2.50E-04	2.60E-10	14.00	1.57E-02	5.72E-11	1,000,000	5.72E-05	8.3E-04			
403	1.2631E-06	1.1583E-06	2.50E-04	2.90E-10	14.00	1.57E-02	6.38E-11	1,000,000	6.38E-05	9.2E-04			
404	1.2631E-06	1.2941E-06	2.50E-04	3.24E-10	14.00	1.57E-02	7.13E-11	1,000,000	7.13E-05	1.0E-03			
405	1.2631E-06	1.4488E-06	2.50E-04	3.63E-10	14.00	1.57E-02	7.98E-11	1,000,000	7.98E-05	1.2E-03			
406	1.2631E-06	1.6226E-06	2.50E-04	4.06E-10	14.00	1.57E-02	8.93E-11	1,000,000	8.93E-05	1.3E-03			
407	1.2631E-06	1.8124E-06	2.50E-04	4.54E-10	14.00	1.57E-02	9.98E-11	1,000,000	9.98E-05	1.4E-03			
408	1.2631E-06	2.0119E-06	2.50E-04	5.04E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			
409	1.2631E-06	2.2021E-06	2.50E-04	5.51E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
410	1.2631E-06	2.3553E-06	2.50E-04	5.89E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
411	1.2631E-06	2.447E-06	2.50E-04	6.12E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	1.9E-03			
412	1.2631E-06	2.4525E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
413	1.2631E-06	2.3612E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
414	1.2631E-06	2.2037E-06	2.50E-04	5.52E-10	14.00	1.57E-02	1.21E-10	1,000,000	1.21E-04	1.8E-03			
415	1.2631E-06	2.0094E-06	2.50E-04	5.03E-10	14.00	1.57E-02	1.11E-10	1,000,000	1.11E-04	1.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
416	1.2631E-06	1.8014E-06	2.50E-04	4.51E-10	14.00	1.57E-02	9.92E-11	1,000,000	9.92E-05	1.4E-03			
417	1.2631E-06	8.099E-07	2.50E-04	2.03E-10	14.00	1.57E-02	4.46E-11	1,000,000	4.46E-05	6.5E-04			
418	1.2631E-06	8.995E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
419	1.2631E-06	1.0042E-06	2.50E-04	2.51E-10	14.00	1.57E-02	5.53E-11	1,000,000	5.53E-05	8.0E-04			
420	1.2631E-06	1.127E-06	2.50E-04	2.82E-10	14.00	1.57E-02	6.21E-11	1,000,000	6.21E-05	9.0E-04			
421	1.2631E-06	1.2715E-06	2.50E-04	3.18E-10	14.00	1.57E-02	7.00E-11	1,000,000	7.00E-05	1.0E-03			
422	1.2631E-06	1.4421E-06	2.50E-04	3.61E-10	14.00	1.57E-02	7.94E-11	1,000,000	7.94E-05	1.1E-03			
423	1.2631E-06	1.6433E-06	2.50E-04	4.11E-10	14.00	1.57E-02	9.05E-11	1,000,000	9.05E-05	1.3E-03			
424	1.2631E-06	1.8787E-06	2.50E-04	4.70E-10	14.00	1.57E-02	1.03E-10	1,000,000	1.03E-04	1.5E-03			
425	1.2631E-06	2.1489E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
426	1.2631E-06	2.4524E-06	2.50E-04	6.14E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
427	1.2631E-06	2.7632E-06	2.50E-04	6.92E-10	14.00	1.57E-02	1.52E-10	1,000,000	1.52E-04	2.2E-03			
428	1.2631E-06	3.0426E-06	2.50E-04	7.61E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
429	1.2631E-06	3.2167E-06	2.50E-04	8.05E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
430	1.2631E-06	3.2181E-06	2.50E-04	8.05E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
431	1.2631E-06	3.0486E-06	2.50E-04	7.63E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
432	1.2631E-06	2.77E-06	2.50E-04	6.93E-10	14.00	1.57E-02	1.53E-10	1,000,000	1.53E-04	2.2E-03			
433	1.2631E-06	2.463E-06	2.50E-04	6.16E-10	14.00	1.57E-02	1.36E-10	1,000,000	1.36E-04	2.0E-03			
434	1.2631E-06	2.1507E-06	2.50E-04	5.38E-10	14.00	1.57E-02	1.18E-10	1,000,000	1.18E-04	1.7E-03			
435	1.2631E-06	8.2495E-07	2.50E-04	2.06E-10	14.00	1.57E-02	4.54E-11	1,000,000	4.54E-05	6.6E-04			
436	1.2631E-06	9.4201E-07	2.50E-04	2.36E-10	14.00	1.57E-02	5.19E-11	1,000,000	5.19E-05	7.5E-04			
437	1.2631E-06	1.073E-06	2.50E-04	2.69E-10	14.00	1.57E-02	5.91E-11	1,000,000	5.91E-05	8.5E-04			
438	1.2631E-06	1.2164E-06	2.50E-04	3.04E-10	14.00	1.57E-02	6.70E-11	1,000,000	6.70E-05	9.7E-04			
439	1.2631E-06	1.3896E-06	2.50E-04	3.48E-10	14.00	1.57E-02	7.65E-11	1,000,000	7.65E-05	1.1E-03			
440	1.2631E-06	1.6003E-06	2.50E-04	4.01E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
441	1.2631E-06	1.8583E-06	2.50E-04	4.65E-10	14.00	1.57E-02	1.02E-10	1,000,000	1.02E-04	1.5E-03			
442	1.2631E-06	2.1758E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
443	1.2631E-06	2.5659E-06	2.50E-04	6.42E-10	14.00	1.57E-02	1.41E-10	1,000,000	1.41E-04	2.0E-03			
444	1.2631E-06	3.0374E-06	2.50E-04	7.60E-10	14.00	1.57E-02	1.67E-10	1,000,000	1.67E-04	2.4E-03			
445	1.2631E-06	3.5809E-06	2.50E-04	8.96E-10	14.00	1.57E-02	1.97E-10	1,000,000	1.97E-04	2.9E-03			
446	1.2631E-06	4.1338E-06	2.50E-04	1.03E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
447	1.2631E-06	4.5216E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			
448	1.2631E-06	4.5169E-06	2.50E-04	1.13E-09	14.00	1.57E-02	2.49E-10	1,000,000	2.49E-04	3.6E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
449	1.2631E-06	4.1469E-06	2.50E-04	1.04E-09	14.00	1.57E-02	2.28E-10	1,000,000	2.28E-04	3.3E-03			
450	1.2631E-06	3.6073E-06	2.50E-04	9.03E-10	14.00	1.57E-02	1.99E-10	1,000,000	1.99E-04	2.9E-03			
451	1.2631E-06	3.0444E-06	2.50E-04	7.62E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
452	1.2631E-06	2.5762E-06	2.50E-04	6.45E-10	14.00	1.57E-02	1.42E-10	1,000,000	1.42E-04	2.1E-03			
453	1.2631E-06	8.3424E-07	2.50E-04	2.09E-10	14.00	1.57E-02	4.59E-11	1,000,000	4.59E-05	6.6E-04			
454	1.2631E-06	9.4942E-07	2.50E-04	2.38E-10	14.00	1.57E-02	5.23E-11	1,000,000	5.23E-05	7.6E-04			
455	1.2631E-06	1.1039E-06	2.50E-04	2.76E-10	14.00	1.57E-02	6.08E-11	1,000,000	6.08E-05	8.8E-04			
456	1.2631E-06	1.2994E-06	2.50E-04	3.25E-10	14.00	1.57E-02	7.15E-11	1,000,000	7.15E-05	1.0E-03			
457	1.2631E-06	1.5076E-06	2.50E-04	3.77E-10	14.00	1.57E-02	8.30E-11	1,000,000	8.30E-05	1.2E-03			
458	1.2631E-06	1.7629E-06	2.50E-04	4.41E-10	14.00	1.57E-02	9.71E-11	1,000,000	9.71E-05	1.4E-03			
459	1.2631E-06	2.0875E-06	2.50E-04	5.22E-10	14.00	1.57E-02	1.15E-10	1,000,000	1.15E-04	1.7E-03			
460	1.2631E-06	2.5074E-06	2.50E-04	6.28E-10	14.00	1.57E-02	1.38E-10	1,000,000	1.38E-04	2.0E-03			
461	1.2631E-06	3.0592E-06	2.50E-04	7.66E-10	14.00	1.57E-02	1.68E-10	1,000,000	1.68E-04	2.4E-03			
462	1.2631E-06	3.797E-06	2.50E-04	9.50E-10	14.00	1.57E-02	2.09E-10	1,000,000	2.09E-04	3.0E-03			
463	1.2631E-06	4.7849E-06	2.50E-04	1.20E-09	14.00	1.57E-02	2.63E-10	1,000,000	2.63E-04	3.8E-03			
464	1.2631E-06	6.0234E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.32E-10	1,000,000	3.32E-04	4.8E-03			
465	1.2631E-06	7.1372E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.7E-03			
466	1.2631E-06	7.1465E-06	2.50E-04	1.79E-09	14.00	1.57E-02	3.93E-10	1,000,000	3.93E-04	5.7E-03			
467	1.2631E-06	6.0639E-06	2.50E-04	1.52E-09	14.00	1.57E-02	3.34E-10	1,000,000	3.34E-04	4.8E-03			
468	1.2631E-06	4.8371E-06	2.50E-04	1.21E-09	14.00	1.57E-02	2.66E-10	1,000,000	2.66E-04	3.9E-03			
469	1.2631E-06	3.8489E-06	2.50E-04	9.63E-10	14.00	1.57E-02	2.12E-10	1,000,000	2.12E-04	3.1E-03			
470	1.2631E-06	3.1064E-06	2.50E-04	7.77E-10	14.00	1.57E-02	1.71E-10	1,000,000	1.71E-04	2.5E-03			
471	1.2631E-06	8.2421E-07	2.50E-04	2.06E-10	14.00	1.57E-02	4.54E-11	1,000,000	4.54E-05	6.6E-04			
472	1.2631E-06	9.6154E-07	2.50E-04	2.41E-10	14.00	1.57E-02	5.29E-11	1,000,000	5.29E-05	7.7E-04			
473	1.2631E-06	1.1214E-06	2.50E-04	2.81E-10	14.00	1.57E-02	6.17E-11	1,000,000	6.17E-05	8.9E-04			
474	1.2631E-06	1.3086E-06	2.50E-04	3.28E-10	14.00	1.57E-02	7.21E-11	1,000,000	7.21E-05	1.0E-03			
475	1.2631E-06	1.5422E-06	2.50E-04	3.86E-10	14.00	1.57E-02	8.49E-11	1,000,000	8.49E-05	1.2E-03			
476	1.2631E-06	1.4607E-05	2.50E-04	3.66E-09	14.00	1.57E-02	8.04E-10	1,000,000	8.04E-04	1.2E-02			
477	1.2631E-06	9.645E-06	2.50E-04	2.41E-09	14.00	1.57E-02	5.31E-10	1,000,000	5.31E-04	7.7E-03			
478	1.2631E-06	6.7143E-06	2.50E-04	1.68E-09	14.00	1.57E-02	3.70E-10	1,000,000	3.70E-04	5.3E-03			
479	1.2631E-06	4.9141E-06	2.50E-04	1.23E-09	14.00	1.57E-02	2.71E-10	1,000,000	2.71E-04	3.9E-03			
480	1.2631E-06	3.7494E-06	2.50E-04	9.38E-10	14.00	1.57E-02	2.06E-10	1,000,000	2.06E-04	3.0E-03			
481	1.2631E-06	8.0619E-07	2.50E-04	2.02E-10	14.00	1.57E-02	4.44E-11	1,000,000	4.44E-05	6.4E-04			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
482	1.2631E-06	9.5312E-07	2.50E-04	2.39E-10	14.00	1.57E-02	5.25E-11	1,000,000	5.25E-05	7.6E-04			
483	1.2631E-06	1.1061E-06	2.50E-04	2.77E-10	14.00	1.57E-02	6.09E-11	1,000,000	6.09E-05	8.8E-04			
484	1.2631E-06	1.3077E-06	2.50E-04	3.27E-10	14.00	1.57E-02	7.20E-11	1,000,000	7.20E-05	1.0E-03			
485	1.2631E-06	1.5998E-06	2.50E-04	4.00E-10	14.00	1.57E-02	8.81E-11	1,000,000	8.81E-05	1.3E-03			
486	1.2631E-06	5.0697E-05	2.50E-04	1.27E-08	14.00	1.57E-02	2.79E-09	1,000,000	2.79E-03	4.0E-02			
487	1.2631E-06	1.6443E-05	2.50E-04	4.12E-09	14.00	1.57E-02	9.05E-10	1,000,000	9.05E-04	1.3E-02			
488	1.2631E-06	9.2525E-06	2.50E-04	2.32E-09	14.00	1.57E-02	5.09E-10	1,000,000	5.09E-04	7.4E-03			
489	1.2631E-06	6.1976E-06	2.50E-04	1.55E-09	14.00	1.57E-02	3.41E-10	1,000,000	3.41E-04	4.9E-03			
490	1.2631E-06	4.4901E-06	2.50E-04	1.12E-09	14.00	1.57E-02	2.47E-10	1,000,000	2.47E-04	3.6E-03			
491	1.2631E-06	7.6584E-07	2.50E-04	1.92E-10	14.00	1.57E-02	4.22E-11	1,000,000	4.22E-05	6.1E-04			
492	1.2631E-06	9.0508E-07	2.50E-04	2.27E-10	14.00	1.57E-02	4.98E-11	1,000,000	4.98E-05	7.2E-04			
493	1.2631E-06	1.0536E-06	2.50E-04	2.64E-10	14.00	1.57E-02	5.80E-11	1,000,000	5.80E-05	8.4E-04			
494	1.2631E-06	1.2702E-06	2.50E-04	3.18E-10	14.00	1.57E-02	6.99E-11	1,000,000	6.99E-05	1.0E-03			
495	1.2631E-06	1.5709E-06	2.50E-04	3.93E-10	14.00	1.57E-02	8.65E-11	1,000,000	8.65E-05	1.3E-03			
496	1.2631E-06	3.3575E-06	2.50E-04	8.40E-10	14.00	1.57E-02	1.85E-10	1,000,000	1.85E-04	2.7E-03			
497	1.2631E-06	4.4252E-06	2.50E-04	1.11E-09	14.00	1.57E-02	2.44E-10	1,000,000	2.44E-04	3.5E-03			
498	1.2631E-06	5.6404E-05	2.50E-04	1.41E-08	14.00	1.57E-02	3.11E-09	1,000,000	3.11E-03	4.5E-02			
499	1.2631E-06	8.0067E-05	2.50E-04	2.00E-08	14.00	1.57E-02	4.41E-09	1,000,000	4.41E-03	6.4E-02			
500	1.2631E-06	2.2826E-05	2.50E-04	5.71E-09	14.00	1.57E-02	1.26E-09	1,000,000	1.26E-03	1.8E-02			
501	1.2631E-06	1.1858E-05	2.50E-04	2.97E-09	14.00	1.57E-02	6.53E-10	1,000,000	6.53E-04	9.4E-03			
502	1.2631E-06	7.474E-06	2.50E-04	1.87E-09	14.00	1.57E-02	4.12E-10	1,000,000	4.12E-04	6.0E-03			
503	1.2631E-06	5.2134E-06	2.50E-04	1.30E-09	14.00	1.57E-02	2.87E-10	1,000,000	2.87E-04	4.2E-03			
504	1.2631E-06	7.1283E-07	2.50E-04	1.78E-10	14.00	1.57E-02	3.92E-11	1,000,000	3.92E-05	5.7E-04			
505	1.2631E-06	8.1907E-07	2.50E-04	2.05E-10	14.00	1.57E-02	4.51E-11	1,000,000	4.51E-05	6.5E-04			
506	1.2631E-06	1.0076E-06	2.50E-04	2.52E-10	14.00	1.57E-02	5.55E-11	1,000,000	5.55E-05	8.0E-04			
507	1.2631E-06	1.193E-06	2.50E-04	2.99E-10	14.00	1.57E-02	6.57E-11	1,000,000	6.57E-05	9.5E-04			
508	1.2631E-06	1.5211E-06	2.50E-04	3.81E-10	14.00	1.57E-02	8.38E-11	1,000,000	8.38E-05	1.2E-03			
509	1.2631E-06	1.911E-06	2.50E-04	4.78E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
510	1.2631E-06	2.4599E-06	2.50E-04	6.16E-10	14.00	1.57E-02	1.35E-10	1,000,000	1.35E-04	2.0E-03			
511	1.2631E-06	3.3032E-06	2.50E-04	8.27E-10	14.00	1.57E-02	1.82E-10	1,000,000	1.82E-04	2.6E-03			
512	1.2631E-06	4.6313E-06	2.50E-04	1.16E-09	14.00	1.57E-02	2.55E-10	1,000,000	2.55E-04	3.7E-03			
513	1.2631E-06	6.8027E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.75E-10	1,000,000	3.75E-04	5.4E-03			
514	1.2631E-06	1.1083E-05	2.50E-04	2.77E-09	14.00	1.57E-02	6.10E-10	1,000,000	6.10E-04	8.8E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
515	1.2631E-06	2.0672E-05	2.50E-04	5.17E-09	14.00	1.57E-02	1.14E-09	1,000,000	1.14E-03	1.6E-02			
516	1.2631E-06	6.1045E-05	2.50E-04	1.53E-08	14.00	1.57E-02	3.36E-09	1,000,000	3.36E-03	4.9E-02			
517	1.2631E-06	8.3887E-05	2.50E-04	2.10E-08	14.00	1.57E-02	4.62E-09	1,000,000	4.62E-03	6.7E-02			
518	1.2631E-06	2.5627E-05	2.50E-04	6.41E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
519	1.2631E-06	1.3432E-05	2.50E-04	3.36E-09	14.00	1.57E-02	7.40E-10	1,000,000	7.40E-04	1.1E-02			
520	1.2631E-06	8.389E-06	2.50E-04	2.10E-09	14.00	1.57E-02	4.62E-10	1,000,000	4.62E-04	6.7E-03			
521	1.2631E-06	5.7705E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.18E-10	1,000,000	3.18E-04	4.6E-03			
522	1.2631E-06	6.4845E-07	2.50E-04	1.62E-10	14.00	1.57E-02	3.57E-11	1,000,000	3.57E-05	5.2E-04			
523	1.2631E-06	7.6924E-07	2.50E-04	1.93E-10	14.00	1.57E-02	4.24E-11	1,000,000	4.24E-05	6.1E-04			
524	1.2631E-06	9.2097E-07	2.50E-04	2.30E-10	14.00	1.57E-02	5.07E-11	1,000,000	5.07E-05	7.3E-04			
525	1.2631E-06	1.1135E-06	2.50E-04	2.79E-10	14.00	1.57E-02	6.13E-11	1,000,000	6.13E-05	8.9E-04			
526	1.2631E-06	1.3313E-06	2.50E-04	3.33E-10	14.00	1.57E-02	7.33E-11	1,000,000	7.33E-05	1.1E-03			
527	1.2631E-06	1.8053E-06	2.50E-04	4.52E-10	14.00	1.57E-02	9.94E-11	1,000,000	9.94E-05	1.4E-03			
528	1.2631E-06	2.3604E-06	2.50E-04	5.91E-10	14.00	1.57E-02	1.30E-10	1,000,000	1.30E-04	1.9E-03			
529	1.2631E-06	3.2072E-06	2.50E-04	8.03E-10	14.00	1.57E-02	1.77E-10	1,000,000	1.77E-04	2.6E-03			
530	1.2631E-06	4.5735E-06	2.50E-04	1.14E-09	14.00	1.57E-02	2.52E-10	1,000,000	2.52E-04	3.6E-03			
531	1.2631E-06	6.7979E-06	2.50E-04	1.70E-09	14.00	1.57E-02	3.74E-10	1,000,000	3.74E-04	5.4E-03			
532	1.2631E-06	1.1103E-05	2.50E-04	2.78E-09	14.00	1.57E-02	6.11E-10	1,000,000	6.11E-04	8.8E-03			
533	1.2631E-06	2.1215E-05	2.50E-04	5.31E-09	14.00	1.57E-02	1.17E-09	1,000,000	1.17E-03	1.7E-02			
534	1.2631E-06	6.2359E-05	2.50E-04	1.56E-08	14.00	1.57E-02	3.43E-09	1,000,000	3.43E-03	5.0E-02			
535	1.2631E-06	8.3403E-05	2.50E-04	2.09E-08	14.00	1.57E-02	4.59E-09	1,000,000	4.59E-03	6.6E-02			
536	1.2631E-06	2.6294E-05	2.50E-04	6.58E-09	14.00	1.57E-02	1.45E-09	1,000,000	1.45E-03	2.1E-02			
537	1.2631E-06	1.3954E-05	2.50E-04	3.49E-09	14.00	1.57E-02	7.68E-10	1,000,000	7.68E-04	1.1E-02			
538	1.2631E-06	8.7747E-06	2.50E-04	2.20E-09	14.00	1.57E-02	4.83E-10	1,000,000	4.83E-04	7.0E-03			
539	1.2631E-06	6.0394E-06	2.50E-04	1.51E-09	14.00	1.57E-02	3.33E-10	1,000,000	3.33E-04	4.8E-03			
540	1.2631E-06	5.8778E-07	2.50E-04	1.47E-10	14.00	1.57E-02	3.24E-11	1,000,000	3.24E-05	4.7E-04			
541	1.2631E-06	6.9667E-07	2.50E-04	1.74E-10	14.00	1.57E-02	3.84E-11	1,000,000	3.84E-05	5.5E-04			
542	1.2631E-06	8.3194E-07	2.50E-04	2.08E-10	14.00	1.57E-02	4.58E-11	1,000,000	4.58E-05	6.6E-04			
543	1.2631E-06	1.0094E-06	2.50E-04	2.53E-10	14.00	1.57E-02	5.56E-11	1,000,000	5.56E-05	8.0E-04			
544	1.2631E-06	1.285E-06	2.50E-04	3.22E-10	14.00	1.57E-02	7.08E-11	1,000,000	7.08E-05	1.0E-03			
545	1.2631E-06	1.6255E-06	2.50E-04	4.07E-10	14.00	1.57E-02	8.95E-11	1,000,000	8.95E-05	1.3E-03			
546	1.2631E-06	2.1794E-06	2.50E-04	5.45E-10	14.00	1.57E-02	1.20E-10	1,000,000	1.20E-04	1.7E-03			
547	1.2631E-06	2.9558E-06	2.50E-04	7.40E-10	14.00	1.57E-02	1.63E-10	1,000,000	1.63E-04	2.4E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Cancer Risk 14 to 30 years												
Receptor #	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	Total Risk		Max	Receptor #
548	1.2631E-06	4.2788E-06	2.50E-04	1.07E-09	14.00	1.57E-02	2.36E-10	1,000,000	2.36E-04	3.4E-03			
549	1.2631E-06	6.4472E-06	2.50E-04	1.61E-09	14.00	1.57E-02	3.55E-10	1,000,000	3.55E-04	5.1E-03			
550	1.2631E-06	1.064E-05	2.50E-04	2.66E-09	14.00	1.57E-02	5.86E-10	1,000,000	5.86E-04	8.5E-03			
551	1.2631E-06	2.0373E-05	2.50E-04	5.10E-09	14.00	1.57E-02	1.12E-09	1,000,000	1.12E-03	1.6E-02			
552	1.2631E-06	6.0337E-05	2.50E-04	1.51E-08	14.00	1.57E-02	3.32E-09	1,000,000	3.32E-03	4.8E-02			
553	1.2631E-06	8.3444E-05	2.50E-04	2.09E-08	14.00	1.57E-02	4.59E-09	1,000,000	4.59E-03	6.6E-02			
554	1.2631E-06	2.5522E-05	2.50E-04	6.39E-09	14.00	1.57E-02	1.41E-09	1,000,000	1.41E-03	2.0E-02			
555	1.2631E-06	1.3623E-05	2.50E-04	3.41E-09	14.00	1.57E-02	7.50E-10	1,000,000	7.50E-04	1.1E-02			
556	1.2631E-06	8.641E-06	2.50E-04	2.16E-09	14.00	1.57E-02	4.76E-10	1,000,000	4.76E-04	6.9E-03			
557	1.2631E-06	6.0097E-06	2.50E-04	1.50E-09	14.00	1.57E-02	3.31E-10	1,000,000	3.31E-04	4.8E-03			
558	1.2631E-06	5.3373E-07	2.50E-04	1.34E-10	14.00	1.57E-02	2.94E-11	1,000,000	2.94E-05	4.3E-04			
559	1.2631E-06	6.3137E-07	2.50E-04	1.58E-10	14.00	1.57E-02	3.48E-11	1,000,000	3.48E-05	5.0E-04			
560	1.2631E-06	7.338E-07	2.50E-04	1.84E-10	14.00	1.57E-02	4.04E-11	1,000,000	4.04E-05	5.8E-04			
561	1.2631E-06	8.9937E-07	2.50E-04	2.25E-10	14.00	1.57E-02	4.95E-11	1,000,000	4.95E-05	7.2E-04			
562	1.2631E-06	1.0958E-06	2.50E-04	2.74E-10	14.00	1.57E-02	6.03E-11	1,000,000	6.03E-05	8.7E-04			
563	1.2631E-06	1.3995E-06	2.50E-04	3.50E-10	14.00	1.57E-02	7.71E-11	1,000,000	7.71E-05	1.1E-03			
564	1.2631E-06	1.9139E-06	2.50E-04	4.79E-10	14.00	1.57E-02	1.05E-10	1,000,000	1.05E-04	1.5E-03			
565	1.2631E-06	2.6093E-06	2.50E-04	6.53E-10	14.00	1.57E-02	1.44E-10	1,000,000	1.44E-04	2.1E-03			
566	1.2631E-06	3.8304E-06	2.50E-04	9.59E-10	14.00	1.57E-02	2.11E-10	1,000,000	2.11E-04	3.1E-03			
567	1.2631E-06	5.7514E-06	2.50E-04	1.44E-09	14.00	1.57E-02	3.17E-10	1,000,000	3.17E-04	4.6E-03			
568	1.2631E-06	9.4578E-06	2.50E-04	2.37E-09	14.00	1.57E-02	5.21E-10	1,000,000	5.21E-04	7.5E-03			
569	1.2631E-06	1.749E-05	2.50E-04	4.38E-09	14.00	1.57E-02	9.63E-10	1,000,000	9.63E-04	1.4E-02			
570	1.2631E-06	5.4224E-05	2.50E-04	1.36E-08	14.00	1.57E-02	2.99E-09	1,000,000	2.99E-03	4.3E-02			
571	1.2631E-06	8.2303E-05	2.50E-04	2.06E-08	14.00	1.57E-02	4.53E-09	1,000,000	4.53E-03	6.6E-02			
572	1.2631E-06	2.3349E-05	2.50E-04	5.84E-09	14.00	1.57E-02	1.29E-09	1,000,000	1.29E-03	1.9E-02			
573	1.2631E-06	1.2392E-05	2.50E-04	3.10E-09	14.00	1.57E-02	6.82E-10	1,000,000	6.82E-04	9.9E-03			
574	1.2631E-06	8.013E-06	2.50E-04	2.01E-09	14.00	1.57E-02	4.41E-10	1,000,000	4.41E-04	6.4E-03			
575	1.2631E-06	5.6906E-06	2.50E-04	1.42E-09	14.00	1.57E-02	3.13E-10	1,000,000	3.13E-04	4.5E-03			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
1	5	1.10E-07		1.834E-05	241 Res
2	5	1.19E-07			
3	5	1.28E-07			
4	5	1.38E-07			
5	5	1.48E-07			
6	5	1.60E-07			
7	5	1.72E-07			
8	5	1.84E-07			
9	5	1.97E-07			
10	5	2.10E-07			
11	5	2.22E-07			
12	5	2.32E-07			
13	5	2.40E-07			
14	5	2.46E-07			
15	5	2.47E-07			
16	5	2.45E-07			
17	5	2.40E-07			
18	5	2.32E-07			
19	5	2.21E-07			
20	5	2.09E-07			
21	5	1.96E-07			
22	5	1.83E-07			
23	5	1.17E-07			
24	5	1.26E-07			
25	5	1.37E-07			
26	5	1.48E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
27	5	1.61E-07			
28	5	1.75E-07			
29	5	1.90E-07			
30	5	2.06E-07			
31	5	2.22E-07			
32	5	2.39E-07			
33	5	2.55E-07			
34	5	2.70E-07			
35	5	2.82E-07			
36	5	2.90E-07			
37	5	2.92E-07			
38	5	2.89E-07			
39	5	2.82E-07			
40	5	2.70E-07			
41	5	2.55E-07			
42	5	2.38E-07			
43	5	2.20E-07			
44	5	2.05E-07			
45	5	1.23E-07			
46	5	1.34E-07			
47	5	1.46E-07			
48	5	1.60E-07			
49	5	1.75E-07			
50	5	1.92E-07			
51	5	2.10E-07			
52	5	2.30E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
53	5	2.52E-07			
54	5	2.75E-07			
55	5	2.97E-07			
56	5	3.18E-07			
57	5	3.36E-07			
58	5	3.49E-07			
59	5	3.52E-07			
60	5	3.48E-07			
61	5	3.36E-07			
62	5	3.18E-07			
63	5	2.97E-07			
64	5	2.74E-07			
65	5	2.51E-07			
66	5	2.29E-07			
67	5	1.30E-07			
68	5	1.42E-07			
69	5	1.56E-07			
70	5	1.72E-07			
71	5	1.89E-07			
72	5	2.10E-07			
73	5	2.33E-07			
74	5	2.59E-07			
75	5	2.87E-07			
76	5	3.18E-07			
77	5	3.51E-07			
78	5	3.83E-07			
79	5	4.10E-07			
80	5	4.29E-07			
81	5	4.36E-07			
82	5	4.30E-07			
83	5	4.11E-07			
84	5	3.83E-07			
85	5	3.49E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
86	5	3.17E-07			
87	5	2.86E-07			
88	5	2.58E-07			
89	5	1.36E-07			
90	5	1.50E-07			
91	5	1.66E-07			
92	5	1.84E-07			
93	5	2.05E-07			
94	5	2.29E-07			
95	5	2.58E-07			
96	5	2.90E-07			
97	5	3.28E-07			
98	5	3.71E-07			
99	5	4.18E-07			
100	5	4.68E-07			
101	5	5.13E-07			
102	5	5.47E-07			
103	5	5.61E-07			
104	5	5.48E-07			
105	5	5.15E-07			
106	5	4.69E-07			
107	5	4.19E-07			
108	5	3.71E-07			
109	5	3.28E-07			
110	5	2.91E-07			
111	5	1.41E-07			
112	5	1.58E-07			
113	5	1.74E-07			
114	5	1.95E-07			
115	5	2.20E-07			
116	5	2.49E-07			
117	5	2.84E-07			
118	5	3.26E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
119	5	3.76E-07			
120	5	4.36E-07			
121	5	5.06E-07			
122	5	5.85E-07			
123	5	6.67E-07			
124	5	7.34E-07			
125	5	7.62E-07			
126	5	7.35E-07			
127	5	6.70E-07			
128	5	5.88E-07			
129	5	5.07E-07			
130	5	4.37E-07			
131	5	3.77E-07			
132	5	3.28E-07			
133	5	1.41E-07			
134	5	1.57E-07			
135	5	1.77E-07			
136	5	2.03E-07			
137	5	2.36E-07			
138	5	2.70E-07			
139	5	3.12E-07			
140	5	3.64E-07			
141	5	4.29E-07			
142	5	5.11E-07			
143	5	6.16E-07			
144	5	7.48E-07			
145	5	9.06E-07			
146	5	1.06E-06			
147	5	1.13E-06			
148	5	1.06E-06			
149	5	9.14E-07			
150	5	7.54E-07			
151	5	6.21E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
152	5	5.17E-07			
153	5	4.34E-07			
154	5	3.69E-07			
155	5	1.36E-07			
156	5	1.54E-07			
157	5	1.79E-07			
158	5	2.04E-07			
159	5	2.39E-07			
160	5	2.80E-07			
161	5	3.35E-07			
162	5	4.02E-07			
163	5	4.85E-07			
164	5	5.96E-07			
165	5	7.49E-07			
166	5	9.68E-07			
167	5	1.29E-06			
168	5	1.74E-06			
169	5	2.04E-06			
170	5	1.74E-06			
171	5	1.30E-06			
172	5	9.89E-07			
173	5	7.67E-07			
174	5	6.12E-07			
175	5	5.00E-07			
176	5	4.16E-07			
177	5	1.34E-07			
178	5	1.54E-07			
179	5	1.81E-07			
180	5	2.12E-07			
181	5	2.47E-07			
182	5	2.91E-07			
183	5	3.48E-07			
184	5	7.28E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
185	5	3.44E-06			
186	5	1.97E-06			
187	5	1.31E-06			
188	5	9.46E-07			
189	5	7.22E-07			
190	5	5.72E-07			
191	5	4.65E-07			
192	5	1.28E-07			
193	5	1.47E-07			
194	5	1.74E-07			
195	5	2.05E-07			
196	5	2.45E-07			
197	5	2.90E-07			
198	5	3.55E-07			
199	5	7.47E-07			
200	5	1.49E-05			
201	5	6.54E-06			
202	5	2.80E-06			
203	5	1.68E-06			
204	5	1.14E-06			
205	5	8.39E-07			
206	5	6.45E-07			
207	5	5.15E-07			
208	5	1.20E-07			
209	5	1.39E-07			
210	5	1.58E-07			
211	5	1.90E-07			
212	5	2.27E-07			
213	5	2.78E-07			
214	5	3.50E-07			
215	5	4.41E-07			
216	5	5.88E-07			
217	5	7.83E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
218	5	6.21E-06			
219	5	1.69E-05			
220	5	7.89E-06			
221	5	3.43E-06			
222	5	1.99E-06			
223	5	1.32E-06			
224	5	9.42E-07			
225	5	7.11E-07			
226	5	5.59E-07			
227	5	1.11E-07			
228	5	1.27E-07			
229	5	1.46E-07			
230	5	1.73E-07			
231	5	2.09E-07			
232	5	2.52E-07			
233	5	3.29E-07			
234	5	4.23E-07			
235	5	5.64E-07			
236	5	7.77E-07			
237	5	1.12E-06			
238	5	1.73E-06			
239	5	3.00E-06			
240	5	6.50E-06			
241	5	1.83E-05			
242	5	8.28E-06			
243	5	3.70E-06			
244	5	2.15E-06			
245	5	1.42E-06			
246	5	1.01E-06			
247	5	7.58E-07			
248	5	5.92E-07			
249	5	1.02E-07			
250	5	1.16E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
251	5	1.33E-07			
252	5	1.59E-07			
253	5	1.89E-07			
254	5	2.40E-07			
255	5	3.02E-07			
256	5	4.07E-07			
257	5	5.32E-07			
258	5	7.29E-07			
259	5	1.08E-06			
260	5	1.69E-06			
261	5	2.94E-06			
262	5	6.44E-06			
263	5	1.70E-05			
264	5	8.19E-06			
265	5	3.70E-06			
266	5	2.17E-06			
267	5	1.45E-06			
268	5	1.03E-06			
269	5	7.76E-07			
270	5	6.07E-07			
271	5	9.19E-08			
272	5	1.04E-07			
273	5	1.20E-07			
274	5	1.41E-07			
275	5	1.70E-07			
276	5	2.13E-07			
277	5	2.70E-07			
278	5	3.47E-07			
279	5	4.76E-07			
280	5	6.68E-07			
281	5	9.90E-07			
282	5	1.57E-06			
283	5	2.70E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
284	5	5.90E-06			
285	5	1.57E-05			
286	5	7.89E-06			
287	5	3.47E-06			
288	5	2.07E-06			
289	5	1.40E-06			
290	5	1.01E-06			
291	5	7.66E-07			
292	5	6.02E-07			
293	5	8.34E-08			
294	5	9.46E-08			
295	5	1.09E-07			
296	5	1.26E-07			
297	5	1.52E-07			
298	5	1.87E-07			
299	5	2.37E-07			
300	5	3.15E-07			
301	5	4.08E-07			
302	5	5.88E-07			
303	5	8.60E-07			
304	5	1.34E-06			
305	5	2.25E-06			
306	5	4.90E-06			
307	5	1.35E-05			
308	5	6.81E-06			
309	5	3.00E-06			
310	5	1.82E-06			
311	5	1.26E-06			
312	5	9.39E-07			
313	5	7.26E-07			
314	5	5.79E-07			
315	5	7.44E-08			
316	5	8.47E-08			

9th and Vineyard Operational HRA
Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
317	5	9.70E-08			
318	5	1.12E-07			
319	5	1.31E-07			
320	5	1.66E-07			
321	5	2.04E-07			
322	5	2.64E-07			
323	5	3.58E-07			
324	5	4.90E-07			
325	5	7.08E-07			
326	5	1.06E-06			
327	5	1.74E-06			
328	5	2.95E-06			
329	5	7.42E-06			
330	5	3.85E-06			
331	5	2.16E-06			
332	5	1.45E-06			
333	5	1.06E-06			
334	5	8.26E-07			
335	5	6.61E-07			
336	5	5.41E-07			
337	5	6.85E-08			
338	5	7.72E-08			
339	5	8.68E-08			
340	5	1.02E-07			
341	5	1.18E-07			
342	5	1.46E-07			
343	5	1.76E-07			
344	5	2.25E-07			
345	5	2.95E-07			
346	5	4.06E-07			
347	5	5.47E-07			
348	5	7.79E-07			
349	5	1.00E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
350	5	1.43E-06			
351	5	1.83E-06			
352	5	1.64E-06			
353	5	1.34E-06			
354	5	1.04E-06			
355	5	8.39E-07			
356	5	6.89E-07			
357	5	5.72E-07			
358	5	4.83E-07			
359	5	6.19E-08			
360	5	7.00E-08			
361	5	7.91E-08			
362	5	9.04E-08			
363	5	1.04E-07			
364	5	1.25E-07			
365	5	1.52E-07			
366	5	1.91E-07			
367	5	2.50E-07			
368	5	3.22E-07			
369	5	4.08E-07			
370	5	5.07E-07			
371	5	6.53E-07			
372	5	8.03E-07			
373	5	8.78E-07			
374	5	8.51E-07			
375	5	8.21E-07			
376	5	7.19E-07			
377	5	6.29E-07			
378	5	5.57E-07			
379	5	4.83E-07			
380	5	4.18E-07			
381	5	1.44E-07			
382	5	1.58E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
383	5	1.74E-07			
384	5	1.91E-07			
385	5	2.11E-07			
386	5	2.32E-07			
387	5	2.56E-07			
388	5	2.82E-07			
389	5	3.09E-07			
390	5	3.35E-07			
391	5	3.60E-07			
392	5	3.78E-07			
393	5	3.89E-07			
394	5	3.90E-07			
395	5	3.79E-07			
396	5	3.59E-07			
397	5	3.35E-07			
398	5	3.07E-07			
399	5	1.53E-07			
400	5	1.69E-07			
401	5	1.87E-07			
402	5	2.08E-07			
403	5	2.32E-07			
404	5	2.59E-07			
405	5	2.90E-07			
406	5	3.25E-07			
407	5	3.62E-07			
408	5	4.02E-07			
409	5	4.40E-07			
410	5	4.71E-07			
411	5	4.89E-07			
412	5	4.90E-07			
413	5	4.72E-07			
414	5	4.41E-07			
415	5	4.02E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
416	5	3.60E-07			
417	5	1.62E-07			
418	5	1.80E-07			
419	5	2.01E-07			
420	5	2.25E-07			
421	5	2.54E-07			
422	5	2.88E-07			
423	5	3.29E-07			
424	5	3.76E-07			
425	5	4.30E-07			
426	5	4.90E-07			
427	5	5.53E-07			
428	5	6.09E-07			
429	5	6.43E-07			
430	5	6.44E-07			
431	5	6.10E-07			
432	5	5.54E-07			
433	5	4.93E-07			
434	5	4.30E-07			
435	5	1.65E-07			
436	5	1.88E-07			
437	5	2.15E-07			
438	5	2.43E-07			
439	5	2.78E-07			
440	5	3.20E-07			
441	5	3.72E-07			
442	5	4.35E-07			
443	5	5.13E-07			
444	5	6.07E-07			
445	5	7.16E-07			
446	5	8.27E-07			
447	5	9.04E-07			
448	5	9.03E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
449	5	8.29E-07			
450	5	7.21E-07			
451	5	6.09E-07			
452	5	5.15E-07			
453	5	1.67E-07			
454	5	1.90E-07			
455	5	2.21E-07			
456	5	2.60E-07			
457	5	3.02E-07			
458	5	3.53E-07			
459	5	4.18E-07			
460	5	5.01E-07			
461	5	6.12E-07			
462	5	7.59E-07			
463	5	9.57E-07			
464	5	1.20E-06			
465	5	1.43E-06			
466	5	1.43E-06			
467	5	1.21E-06			
468	5	9.67E-07			
469	5	7.70E-07			
470	5	6.21E-07			
471	5	1.65E-07			
472	5	1.92E-07			
473	5	2.24E-07			
474	5	2.62E-07			
475	5	3.08E-07			
476	5	2.92E-06			
477	5	1.93E-06			
478	5	1.34E-06			
479	5	9.83E-07			
480	5	7.50E-07			
481	5	1.61E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
482	5	1.91E-07			
483	5	2.21E-07			
484	5	2.62E-07			
485	5	3.20E-07			
486	5	1.01E-05			
487	5	3.29E-06			
488	5	1.85E-06			
489	5	1.24E-06			
490	5	8.98E-07			
491	5	1.53E-07			
492	5	1.81E-07			
493	5	2.11E-07			
494	5	2.54E-07			
495	5	3.14E-07			
496	5	6.71E-07			
497	5	8.85E-07			
498	5	1.13E-05			
499	5	1.60E-05			
500	5	4.57E-06			
501	5	2.37E-06			
502	5	1.49E-06			
503	5	1.04E-06			
504	5	1.43E-07			
505	5	1.64E-07			
506	5	2.02E-07			
507	5	2.39E-07			
508	5	3.04E-07			
509	5	3.82E-07			
510	5	4.92E-07			
511	5	6.61E-07			
512	5	9.26E-07			
513	5	1.36E-06			
514	5	2.22E-06			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
515	5	4.13E-06			
516	5	1.22E-05			
517	5	1.68E-05			
518	5	5.13E-06			
519	5	2.69E-06			
520	5	1.68E-06			
521	5	1.15E-06			
522	5	1.30E-07			
523	5	1.54E-07			
524	5	1.84E-07			
525	5	2.23E-07			
526	5	2.66E-07			
527	5	3.61E-07			
528	5	4.72E-07			
529	5	6.41E-07			
530	5	9.15E-07			
531	5	1.36E-06			
532	5	2.22E-06			
533	5	4.24E-06			
534	5	1.25E-05			
535	5	1.67E-05			
536	5	5.26E-06			
537	5	2.79E-06			
538	5	1.75E-06			
539	5	1.21E-06			
540	5	1.18E-07			
541	5	1.39E-07			
542	5	1.66E-07			
543	5	2.02E-07			
544	5	2.57E-07			
545	5	3.25E-07			
546	5	4.36E-07			
547	5	5.91E-07			

9th and Vineyard Operational HRA

Unmitigated - Operational - ED Risk - SLINE17

	Chronic Non Cancer Risk				
Receptor #	**REL**	**HI**		**Max**	**Receptor #**
548	5	8.56E-07			
549	5	1.29E-06			
550	5	2.13E-06			
551	5	4.07E-06			
552	5	1.21E-05			
553	5	1.67E-05			
554	5	5.10E-06			
555	5	2.72E-06			
556	5	1.73E-06			
557	5	1.20E-06			
558	5	1.07E-07			
559	5	1.26E-07			
560	5	1.47E-07			
561	5	1.80E-07			
562	5	2.19E-07			
563	5	2.80E-07			
564	5	3.83E-07			
565	5	5.22E-07			
566	5	7.66E-07			
567	5	1.15E-06			
568	5	1.89E-06			
569	5	3.50E-06			
570	5	1.08E-05			
571	5	1.65E-05			
572	5	4.67E-06			
573	5	2.48E-06			
574	5	1.60E-06			
575	5	1.14E-06			

#	Discrete Re	X	Y	Concentrat	Elevation (Z	Hill Heights	Flagpole (Z	Averagin Pe
1	UCART1	442230	3771880	0.68915	340.85	3068.19	0	PERIOD
2	UCART1	442330	3771880	0.76423	340.06	3068.19	0	PERIOD
3	UCART1	442430	3771880	0.85042	339.44	3068.19	0	PERIOD
4	UCART1	442530	3771880	0.94881	338.41	3068.19	0	PERIOD
5	UCART1	442630	3771880	1.06078	337.95	3068.19	0	PERIOD
6	UCART1	442730	3771880	1.18641	337.77	3068.19	0	PERIOD
7	UCART1	442830	3771880	1.32313	336.68	3068.19	0	PERIOD
8	UCART1	442930	3771880	1.46719	335.59	3068.19	0	PERIOD
9	UCART1	443030	3771880	1.61164	335.1	3068.19	0	PERIOD
10	UCART1	443130	3771880	1.74256	334.12	3068.19	0	PERIOD
11	UCART1	443230	3771880	1.8446	332.9	3068.19	0	PERIOD
12	UCART1	443330	3771880	1.90318	331.79	3068.19	0	PERIOD
13	UCART1	443430	3771880	1.90786	330.76	3068.19	0	PERIOD
14	UCART1	443530	3771880	1.85731	329.79	3068.19	0	PERIOD
15	UCART1	443630	3771880	1.76044	328.96	3068.19	0	PERIOD
16	UCART1	443730	3771880	1.63044	327.62	3068.19	0	PERIOD
17	UCART1	443830	3771880	1.48855	327.44	3068.19	0	PERIOD
18	UCART1	443930	3771880	1.34362	327	3068.19	0	PERIOD
19	UCART1	444030	3771880	1.20363	325.68	3068.19	0	PERIOD
20	UCART1	444130	3771880	1.07781	325.72	3068.19	0	PERIOD
21	UCART1	444230	3771880	0.96451	325.35	3068.19	0	PERIOD
22	UCART1	444330	3771880	0.86332	323.84	3068.19	0	PERIOD
23	UCART1	442230	3771980	0.73461	342.34	3068.19	0	PERIOD
24	UCART1	442330	3771980	0.8221	341.76	3068.19	0	PERIOD
25	UCART1	442430	3771980	0.92469	341.07	3068.19	0	PERIOD
26	UCART1	442530	3771980	1.04509	340.41	3068.19	0	PERIOD
27	UCART1	442630	3771980	1.18586	339.53	3068.19	0	PERIOD
28	UCART1	442730	3771980	1.34997	339.72	3068.19	0	PERIOD
29	UCART1	442830	3771980	1.53561	338.28	3068.19	0	PERIOD
30	UCART1	442930	3771980	1.74171	337.89	3068.19	0	PERIOD
31	UCART1	443030	3771980	1.95587	336.69	3068.19	0	PERIOD
32	UCART1	443130	3771980	2.15981	335.43	3068.19	0	PERIOD
33	UCART1	443230	3771980	2.32433	333.75	3068.19	0	PERIOD
34	UCART1	443330	3771980	2.42464	333.13	3068.19	0	PERIOD
35	UCART1	443430	3771980	2.43572	332.65	3068.19	0	PERIOD
36	UCART1	443530	3771980	2.35492	332.42	3068.19	0	PERIOD
37	UCART1	443630	3771980	2.19029	330.05	3068.19	0	PERIOD
38	UCART1	443730	3771980	1.98825	329.03	3068.19	0	PERIOD
39	UCART1	443830	3771980	1.77719	329.45	3068.19	0	PERIOD
40	UCART1	443930	3771980	1.56947	329.01	3068.19	0	PERIOD
41	UCART1	444030	3771980	1.37792	327.6	3068.19	0	PERIOD
42	UCART1	444130	3771980	1.20928	325.92	3068.19	0	PERIOD
43	UCART1	444230	3771980	1.06365	323.92	3068.19	0	PERIOD
44	UCART1	444330	3771980	0.94479	325.75	3068.19	0	PERIOD
45	UCART1	442230	3772080	0.77908	344.08	3068.19	0	PERIOD
46	UCART1	442330	3772080	0.87989	343.54	3068.19	0	PERIOD

47	UCART1	442430	3772080	1.00079	343.14	3068.19	0 PERIOD
48	UCART1	442530	3772080	1.14661	342.74	3068.19	0 PERIOD
49	UCART1	442630	3772080	1.32283	341.9	3068.19	0 PERIOD
50	UCART1	442730	3772080	1.53558	341.07	3068.19	0 PERIOD
51	UCART1	442830	3772080	1.78987	340.22	3068.19	0 PERIOD
52	UCART1	442930	3772080	2.0863	339.17	3068.19	0 PERIOD
53	UCART1	443030	3772080	2.41653	338.4	3068.19	0 PERIOD
54	UCART1	443130	3772080	2.7494	336.65	3068.19	0 PERIOD
55	UCART1	443230	3772080	3.03706	335.2	3068.19	0 PERIOD
56	UCART1	443330	3772080	3.21663	334.25	3068.19	0 PERIOD
57	UCART1	443430	3772080	3.23534	333.5	3068.19	0 PERIOD
58	UCART1	443530	3772080	3.09578	334.39	3068.19	0 PERIOD
59	UCART1	443630	3772080	2.80993	331.89	3068.19	0 PERIOD
60	UCART1	443730	3772080	2.47541	330.71	3068.19	0 PERIOD
61	UCART1	443830	3772080	2.14698	331.17	3068.19	0 PERIOD
62	UCART1	443930	3772080	1.84206	330.15	3068.19	0 PERIOD
63	UCART1	444030	3772080	1.57931	328.9	3068.19	0 PERIOD
64	UCART1	444130	3772080	1.36008	327.87	3068.19	0 PERIOD
65	UCART1	444230	3772080	1.17986	327.5	3068.19	0 PERIOD
66	UCART1	444330	3772080	1.03126	327.44	3068.19	0 PERIOD
67	UCART1	442230	3772180	0.82027	346.06	3068.19	0 PERIOD
68	UCART1	442330	3772180	0.93473	345.39	3068.19	0 PERIOD
69	UCART1	442430	3772180	1.07484	345.31	3068.19	0 PERIOD
70	UCART1	442530	3772180	1.24874	344.57	3068.19	0 PERIOD
71	UCART1	442630	3772180	1.4663	343.94	3068.19	0 PERIOD
72	UCART1	442730	3772180	1.74041	343.13	3068.19	0 PERIOD
73	UCART1	442830	3772180	2.08658	342.35	3068.19	0 PERIOD
74	UCART1	442930	3772180	2.5174	340.58	3068.19	0 PERIOD
75	UCART1	443030	3772180	3.03647	339.16	3068.19	0 PERIOD
76	UCART1	443130	3772180	3.61462	338.05	3068.19	0 PERIOD
77	UCART1	443230	3772180	4.16269	337.23	3068.19	0 PERIOD
78	UCART1	443330	3772180	4.53415	337.13	3068.19	0 PERIOD
79	UCART1	443430	3772180	4.5688	335.73	3068.19	0 PERIOD
80	UCART1	443530	3772180	4.26498	334.87	3068.19	0 PERIOD
81	UCART1	443630	3772180	3.7388	333.88	3068.19	0 PERIOD
82	UCART1	443730	3772180	3.16277	334.26	3068.19	0 PERIOD
83	UCART1	443830	3772180	2.62173	332.84	3068.19	0 PERIOD
84	UCART1	443930	3772180	2.17348	332.21	3068.19	0 PERIOD
85	UCART1	444030	3772180	1.80259	328.07	3068.19	0 PERIOD
86	UCART1	444130	3772180	1.52523	329.36	3068.19	0 PERIOD
87	UCART1	444230	3772180	1.29993	328.55	3068.19	0 PERIOD
88	UCART1	444330	3772180	1.12175	328.91	3068.19	0 PERIOD
89	UCART1	442230	3772280	0.85655	347.96	3068.19	0 PERIOD
90	UCART1	442330	3772280	0.98382	346.96	3068.19	0 PERIOD
91	UCART1	442430	3772280	1.14267	346.8	3068.19	0 PERIOD
92	UCART1	442530	3772280	1.34456	346.77	3068.19	0 PERIOD
93	UCART1	442630	3772280	1.60618	346.34	3068.19	0 PERIOD

94	UCART1	442730	3772280	1.95248	344.57	3068.19	0 PERIOD
95	UCART1	442830	3772280	2.41508	343.37	3068.19	0 PERIOD
96	UCART1	442930	3772280	3.03941	341.96	3068.19	0 PERIOD
97	UCART1	443030	3772280	3.87537	340.94	3068.19	0 PERIOD
98	UCART1	443130	3772280	4.93038	339.62	3068.19	0 PERIOD
99	UCART1	443230	3772280	6.0671	338.19	3068.19	0 PERIOD
100	UCART1	443330	3772280	6.91566	337.47	3068.19	0 PERIOD
101	UCART1	443430	3772280	7.0149	336.59	3068.19	0 PERIOD
102	UCART1	443530	3772280	6.30571	335.82	3068.19	0 PERIOD
103	UCART1	443630	3772280	5.19768	335.71	3068.19	0 PERIOD
104	UCART1	443730	3772280	4.10168	334.73	3068.19	0 PERIOD
105	UCART1	443830	3772280	3.22558	334.71	3068.19	0 PERIOD
106	UCART1	443930	3772280	2.56177	333.67	3068.19	0 PERIOD
107	UCART1	444030	3772280	2.06859	331.83	3068.19	0 PERIOD
108	UCART1	444130	3772280	1.70334	330.67	3068.19	0 PERIOD
109	UCART1	444230	3772280	1.42654	329.56	3068.19	0 PERIOD
110	UCART1	444330	3772280	1.21577	330.45	3068.19	0 PERIOD
111	UCART1	442230	3772380	0.81173	349.81	3068.19	0 PERIOD
112	UCART1	442330	3772380	1.00458	348.79	3068.19	0 PERIOD
113	UCART1	442430	3772380	1.12894	349.3	3068.19	0 PERIOD
114	UCART1	442530	3772380	1.34933	349.15	3068.19	0 PERIOD
115	UCART1	442630	3772380	1.73152	347.69	3068.19	0 PERIOD
116	UCART1	442730	3772380	2.1514	345.63	3068.19	0 PERIOD
117	UCART1	442830	3772380	2.74729	344.58	3068.19	0 PERIOD
118	UCART1	442930	3772380	3.62499	343.99	3068.19	0 PERIOD
119	UCART1	443030	3772380	4.95712	342.81	3068.19	0 PERIOD
120	UCART1	443130	3772380	6.97419	341.65	3068.19	0 PERIOD
121	UCART1	443230	3772380	9.70145	340.73	3068.19	0 PERIOD
122	UCART1	443330	3772380	12.12442	339.03	3068.19	0 PERIOD
123	UCART1	443430	3772380	12.44687	338.11	3068.19	0 PERIOD
124	UCART1	443530	3772380	10.37076	337.53	3068.19	0 PERIOD
125	UCART1	443630	3772380	7.60529	337.35	3068.19	0 PERIOD
126	UCART1	443730	3772380	5.41776	336.12	3068.19	0 PERIOD
127	UCART1	443830	3772380	3.96807	335.93	3068.19	0 PERIOD
128	UCART1	443930	3772380	3.00885	335.4	3068.19	0 PERIOD
129	UCART1	444030	3772380	2.35202	333.33	3068.19	0 PERIOD
130	UCART1	444130	3772380	1.89516	332.85	3068.19	0 PERIOD
131	UCART1	444230	3772380	1.56048	331.53	3068.19	0 PERIOD
132	UCART1	444330	3772380	1.31238	332.05	3068.19	0 PERIOD
133	UCART1	442230	3772480	0.75898	351.95	3068.19	0 PERIOD
134	UCART1	442330	3772480	0.89333	351.53	3068.19	0 PERIOD
135	UCART1	442430	3772480	1.06156	351.28	3068.19	0 PERIOD
136	UCART1	442530	3772480	1.33717	349.99	3068.19	0 PERIOD
137	UCART1	442630	3772480	1.82729	347.98	3068.19	0 PERIOD
138	UCART1	442730	3772480	2.30735	347.44	3068.19	0 PERIOD
139	UCART1	442830	3772480	3.02519	346.36	3068.19	0 PERIOD
140	UCART1	442930	3772480	4.16622	346.34	3068.19	0 PERIOD

141	UCART1	443030	3772480	6.15925	344.2	3068.19	0 PERIOD
142	UCART1	443130	3772480	9.9761	343.75	3068.19	0 PERIOD
143	UCART1	443230	3772480	17.59379	342.59	3068.19	0 PERIOD
144	UCART1	443330	3772480	27.62189	341.03	3068.19	0 PERIOD
145	UCART1	443430	3772480	29.18572	339.98	3068.19	0 PERIOD
146	UCART1	443530	3772480	20.29603	339.08	3068.19	0 PERIOD
147	UCART1	443630	3772480	11.73258	338.98	3068.19	0 PERIOD
148	UCART1	443730	3772480	7.20301	337.86	3068.19	0 PERIOD
149	UCART1	443830	3772480	4.85946	338.18	3068.19	0 PERIOD
150	UCART1	443930	3772480	3.49822	336.11	3068.19	0 PERIOD
151	UCART1	444030	3772480	2.65018	334.18	3068.19	0 PERIOD
152	UCART1	444130	3772480	2.09045	334.08	3068.19	0 PERIOD
153	UCART1	444230	3772480	1.69571	333.36	3068.19	0 PERIOD
154	UCART1	444330	3772480	1.40826	333.31	3068.19	0 PERIOD
155	UCART1	442230	3772580	0.66759	355.15	3068.19	0 PERIOD
156	UCART1	442330	3772580	0.80342	354.45	3068.19	0 PERIOD
157	UCART1	442430	3772580	1.01517	353.01	3068.19	0 PERIOD
158	UCART1	442530	3772580	1.23736	352.65	3068.19	0 PERIOD
159	UCART1	442630	3772580	1.59424	351.36	3068.19	0 PERIOD
160	UCART1	442730	3772580	2.10732	350.38	3068.19	0 PERIOD
161	UCART1	442830	3772580	2.92599	349.6	3068.19	0 PERIOD
162	UCART1	442930	3772580	4.49576	347.79	3068.19	0 PERIOD
163	UCART1	443030	3772580	7.00053	346.66	3068.19	0 PERIOD
164	UCART1	443130	3772580	12.96079	345.51	3068.19	0 PERIOD
165	UCART1	443230	3772580	35.91756	344.42	3068.19	0 PERIOD
166	UCART1	443330	3772580	140.5964	343.6	3068.19	0 PERIOD
167	UCART1	443430	3772580	154.5755	342.47	3068.19	0 PERIOD
168	UCART1	443530	3772580	57.76508	341.65	3068.19	0 PERIOD
169	UCART1	443630	3772580	18.24622	341.69	3068.19	0 PERIOD
170	UCART1	443730	3772580	9.27898	339.93	3068.19	0 PERIOD
171	UCART1	443830	3772580	5.74665	337.52	3068.19	0 PERIOD
172	UCART1	443930	3772580	3.97748	338.02	3068.19	0 PERIOD
173	UCART1	444030	3772580	2.93516	336.4	3068.19	0 PERIOD
174	UCART1	444130	3772580	2.27136	335.64	3068.19	0 PERIOD
175	UCART1	444230	3772580	1.82089	336.27	3068.19	0 PERIOD
176	UCART1	444330	3772580	1.49736	336.32	3068.19	0 PERIOD
177	UCART1	442230	3772680	0.61837	356.67	3068.19	0 PERIOD
178	UCART1	442330	3772680	0.75352	355.62	3068.19	0 PERIOD
179	UCART1	442430	3772680	0.95297	354.24	3068.19	0 PERIOD
180	UCART1	442530	3772680	1.21186	353.08	3068.19	0 PERIOD
181	UCART1	442630	3772680	1.53477	352.29	3068.19	0 PERIOD
182	UCART1	442730	3772680	1.98194	351.83	3068.19	0 PERIOD
183	UCART1	442830	3772680	2.70239	351.08	3068.19	0 PERIOD
184	UCART1	443630	3772680	19.62065	343.13	3068.19	0 PERIOD
185	UCART1	443730	3772680	10.01463	339.38	3068.19	0 PERIOD
186	UCART1	443830	3772680	6.19091	341.24	3068.19	0 PERIOD
187	UCART1	443930	3772680	4.23715	339.68	3068.19	0 PERIOD

188	UCART1	444030	3772680	3.10383	337.74	3068.19	0 PERIOD
189	UCART1	444130	3772680	2.38823	337.58	3068.19	0 PERIOD
190	UCART1	444230	3772680	1.9035	337.69	3068.19	0 PERIOD
191	UCART1	444330	3772680	1.55828	337.5	3068.19	0 PERIOD
192	UCART1	442230	3772780	0.55832	358.67	3068.19	0 PERIOD
193	UCART1	442330	3772780	0.6651	357.95	3068.19	0 PERIOD
194	UCART1	442430	3772780	0.82645	356.66	3068.19	0 PERIOD
195	UCART1	442530	3772780	1.03648	355.65	3068.19	0 PERIOD
196	UCART1	442630	3772780	1.3473	354.46	3068.19	0 PERIOD
197	UCART1	442730	3772780	1.71937	354.17	3068.19	0 PERIOD
198	UCART1	442830	3772780	2.36427	353.07	3068.19	0 PERIOD
199	UCART1	443130	3772780	8.57202	349.81	3068.19	0 PERIOD
200	UCART1	443630	3772780	13.08433	344.31	3068.19	0 PERIOD
201	UCART1	443730	3772780	8.38814	342.65	3068.19	0 PERIOD
202	UCART1	443830	3772780	5.67815	340.39	3068.19	0 PERIOD
203	UCART1	443930	3772780	4.07333	340.79	3068.19	0 PERIOD
204	UCART1	444030	3772780	3.05853	339.78	3068.19	0 PERIOD
205	UCART1	444130	3772780	2.3839	339.31	3068.19	0 PERIOD
206	UCART1	444230	3772780	1.91394	339.03	3068.19	0 PERIOD
207	UCART1	444330	3772780	1.57444	339.97	3068.19	0 PERIOD
208	UCART1	442230	3772880	0.5046	360.63	3068.19	0 PERIOD
209	UCART1	442330	3772880	0.59542	359.93	3068.19	0 PERIOD
210	UCART1	442430	3772880	0.69405	359.92	3068.19	0 PERIOD
211	UCART1	442530	3772880	0.86489	358.62	3068.19	0 PERIOD
212	UCART1	442630	3772880	1.07246	357.96	3068.19	0 PERIOD
213	UCART1	442730	3772880	1.39489	356.78	3068.19	0 PERIOD
214	UCART1	442830	3772880	1.90817	355.22	3068.19	0 PERIOD
215	UCART1	442930	3772880	2.61651	354.31	3068.19	0 PERIOD
216	UCART1	443030	3772880	3.92941	351.88	3068.19	0 PERIOD
217	UCART1	443130	3772880	5.62247	350.96	3068.19	0 PERIOD
218	UCART1	443530	3772880	10.31573	345.36	3068.19	0 PERIOD
219	UCART1	443630	3772880	8.11333	345.16	3068.19	0 PERIOD
220	UCART1	443730	3772880	6.13517	345.08	3068.19	0 PERIOD
221	UCART1	443830	3772880	4.64025	344.75	3068.19	0 PERIOD
222	UCART1	443930	3772880	3.56665	343.77	3068.19	0 PERIOD
223	UCART1	444030	3772880	2.80109	342.51	3068.19	0 PERIOD
224	UCART1	444130	3772880	2.24778	341.31	3068.19	0 PERIOD
225	UCART1	444230	3772880	1.83997	340.18	3068.19	0 PERIOD
226	UCART1	444330	3772880	1.53376	340.69	3068.19	0 PERIOD
227	UCART1	442230	3772980	0.45269	362.8	3068.19	0 PERIOD
228	UCART1	442330	3772980	0.52403	362.39	3068.19	0 PERIOD
229	UCART1	442430	3772980	0.6133	361.99	3068.19	0 PERIOD
230	UCART1	442530	3772980	0.7363	361.23	3068.19	0 PERIOD
231	UCART1	442630	3772980	0.9016	360.35	3068.19	0 PERIOD
232	UCART1	442730	3772980	1.10193	359.95	3068.19	0 PERIOD
233	UCART1	442830	3772980	1.47412	357.84	3068.19	0 PERIOD
234	UCART1	442930	3772980	1.94554	356.58	3068.19	0 PERIOD

235	UCART1	443030	3772980	2.65122	355.04	3068.19	0 PERIOD
236	UCART1	443130	3772980	3.62409	353.5	3068.19	0 PERIOD
237	UCART1	443230	3772980	4.68811	352.06	3068.19	0 PERIOD
238	UCART1	443330	3772980	5.70879	350.38	3068.19	0 PERIOD
239	UCART1	443430	3772980	6.33668	348.93	3068.19	0 PERIOD
240	UCART1	443530	3772980	6.1516	348.63	3068.19	0 PERIOD
241	UCART1	443630	3772980	5.35978	347.68	3068.19	0 PERIOD
242	UCART1	443730	3772980	4.39803	348.64	3068.19	0 PERIOD
243	UCART1	443830	3772980	3.62062	347.58	3068.19	0 PERIOD
244	UCART1	443930	3772980	2.96231	345.87	3068.19	0 PERIOD
245	UCART1	444030	3772980	2.43745	344.9	3068.19	0 PERIOD
246	UCART1	444130	3772980	2.0249	343.74	3068.19	0 PERIOD
247	UCART1	444230	3772980	1.70083	342.71	3068.19	0 PERIOD
248	UCART1	444330	3772980	1.44497	343.13	3068.19	0 PERIOD
249	UCART1	442230	3773080	0.4074	364.88	3068.19	0 PERIOD
250	UCART1	442330	3773080	0.46424	364.68	3068.19	0 PERIOD
251	UCART1	442430	3773080	0.53381	364.46	3068.19	0 PERIOD
252	UCART1	442530	3773080	0.63419	363.49	3068.19	0 PERIOD
253	UCART1	442630	3773080	0.75484	362.79	3068.19	0 PERIOD
254	UCART1	442730	3773080	0.94249	361.05	3068.19	0 PERIOD
255	UCART1	442830	3773080	1.15492	360.16	3068.19	0 PERIOD
256	UCART1	442930	3773080	1.51183	357.97	3068.19	0 PERIOD
257	UCART1	443030	3773080	1.87938	357.1	3068.19	0 PERIOD
258	UCART1	443130	3773080	2.3363	356.06	3068.19	0 PERIOD
259	UCART1	443230	3773080	2.98864	354.07	3068.19	0 PERIOD
260	UCART1	443330	3773080	3.5592	352.1	3068.19	0 PERIOD
261	UCART1	443430	3773080	3.90201	350.29	3068.19	0 PERIOD
262	UCART1	443530	3773080	3.78291	350.02	3068.19	0 PERIOD
263	UCART1	443630	3773080	3.45503	350.13	3068.19	0 PERIOD
264	UCART1	443730	3773080	3.12009	349.94	3068.19	0 PERIOD
265	UCART1	443830	3773080	2.84206	347.78	3068.19	0 PERIOD
266	UCART1	443930	3773080	2.42731	346.28	3068.19	0 PERIOD
267	UCART1	444030	3773080	2.07136	346.49	3068.19	0 PERIOD
268	UCART1	444130	3773080	1.77547	345.68	3068.19	0 PERIOD
269	UCART1	444230	3773080	1.53005	344.51	3068.19	0 PERIOD
270	UCART1	444330	3773080	1.32655	344.42	3068.19	0 PERIOD
271	UCART1	442230	3773180	0.36009	367.65	3068.19	0 PERIOD
272	UCART1	442330	3773180	0.40518	367.52	3068.19	0 PERIOD
273	UCART1	442430	3773180	0.46459	366.9	3068.19	0 PERIOD
274	UCART1	442530	3773180	0.53712	366.21	3068.19	0 PERIOD
275	UCART1	442630	3773180	0.62927	365.29	3068.19	0 PERIOD
276	UCART1	442730	3773180	0.75818	363.72	3068.19	0 PERIOD
277	UCART1	442830	3773180	0.91595	362.31	3068.19	0 PERIOD
278	UCART1	442930	3773180	1.09796	361.23	3068.19	0 PERIOD
279	UCART1	443030	3773180	1.34924	359.52	3068.19	0 PERIOD
280	UCART1	443130	3773180	1.64437	357.88	3068.19	0 PERIOD
281	UCART1	443230	3773180	2.01403	355.8	3068.19	0 PERIOD

282	UCART1	443330	3773180	2.40495	353.68	3068.19	0 PERIOD
283	UCART1	443430	3773180	2.58288	352.42	3068.19	0 PERIOD
284	UCART1	443530	3773180	2.38055	353.74	3068.19	0 PERIOD
285	UCART1	443630	3773180	2.35601	352.62	3068.19	0 PERIOD
286	UCART1	443730	3773180	2.21453	352.1	3068.19	0 PERIOD
287	UCART1	443830	3773180	2.06329	351.58	3068.19	0 PERIOD
288	UCART1	443930	3773180	1.93664	350.45	3068.19	0 PERIOD
289	UCART1	444030	3773180	1.77014	350.28	3068.19	0 PERIOD
290	UCART1	444130	3773180	1.54035	347.64	3068.19	0 PERIOD
291	UCART1	444230	3773180	1.35589	347.48	3068.19	0 PERIOD
292	UCART1	444330	3773180	1.19794	346.94	3068.19	0 PERIOD
293	UCART1	442230	3773280	0.3201	370.22	3068.19	0 PERIOD
294	UCART1	442330	3773280	0.35861	369.79	3068.19	0 PERIOD
295	UCART1	442430	3773280	0.40408	369.28	3068.19	0 PERIOD
296	UCART1	442530	3773280	0.45591	368.86	3068.19	0 PERIOD
297	UCART1	442630	3773280	0.53074	367.43	3068.19	0 PERIOD
298	UCART1	442730	3773280	0.61802	366.17	3068.19	0 PERIOD
299	UCART1	442830	3773280	0.72746	364.69	3068.19	0 PERIOD
300	UCART1	442930	3773280	0.87849	362.56	3068.19	0 PERIOD
301	UCART1	443030	3773280	1.00929	361.76	3068.19	0 PERIOD
302	UCART1	443130	3773280	1.21669	359.5	3068.19	0 PERIOD
303	UCART1	443230	3773280	1.42968	357.59	3068.19	0 PERIOD
304	UCART1	443330	3773280	1.67452	355.35	3068.19	0 PERIOD
305	UCART1	443430	3773280	1.77609	354.52	3068.19	0 PERIOD
306	UCART1	443530	3773280	1.69156	355.14	3068.19	0 PERIOD
307	UCART1	443630	3773280	1.64605	354.87	3068.19	0 PERIOD
308	UCART1	443730	3773280	1.56269	354.8	3068.19	0 PERIOD
309	UCART1	443830	3773280	1.62766	351.9	3068.19	0 PERIOD
310	UCART1	443930	3773280	1.51122	351.95	3068.19	0 PERIOD
311	UCART1	444030	3773280	1.42263	351.34	3068.19	0 PERIOD
312	UCART1	444130	3773280	1.34704	349.23	3068.19	0 PERIOD
313	UCART1	444230	3773280	1.23248	349.11	3068.19	0 PERIOD
314	UCART1	444330	3773280	1.12698	349.12	3068.19	0 PERIOD
315	UCART1	442230	3773380	0.27932	373.52	3068.19	0 PERIOD
316	UCART1	442330	3773380	0.31134	372.76	3068.19	0 PERIOD
317	UCART1	442430	3773380	0.34724	372.1	3068.19	0 PERIOD
318	UCART1	442530	3773380	0.38798	371.47	3068.19	0 PERIOD
319	UCART1	442630	3773380	0.43318	370.94	3068.19	0 PERIOD
320	UCART1	442730	3773380	0.51427	368.2	3068.19	0 PERIOD
321	UCART1	442830	3773380	0.58572	367.08	3068.19	0 PERIOD
322	UCART1	442930	3773380	0.68056	365.3	3068.19	0 PERIOD
323	UCART1	443030	3773380	0.80496	362.97	3068.19	0 PERIOD
324	UCART1	443130	3773380	0.93023	361.15	3068.19	0 PERIOD
325	UCART1	443230	3773380	1.06466	359.28	3068.19	0 PERIOD
326	UCART1	443330	3773380	1.21001	357.24	3068.19	0 PERIOD
327	UCART1	443430	3773380	1.51061	353.04	3068.19	0 PERIOD
328	UCART1	443530	3773380	1.22956	356.98	3068.19	0 PERIOD

329	UCART1	443630	3773380	1.20142	356.85	3068.19	0 PERIOD
330	UCART1	443730	3773380	1.19249	356.05	3068.19	0 PERIOD
331	UCART1	443830	3773380	1.18712	354.98	3068.19	0 PERIOD
332	UCART1	443930	3773380	1.17899	353.8	3068.19	0 PERIOD
333	UCART1	444030	3773380	1.11746	353.71	3068.19	0 PERIOD
334	UCART1	444130	3773380	1.10143	351.8	3068.19	0 PERIOD
335	UCART1	444230	3773380	1.04581	351.09	3068.19	0 PERIOD
336	UCART1	444330	3773380	0.98436	350.71	3068.19	0 PERIOD
337	UCART1	442230	3773480	0.24915	375.75	3068.19	0 PERIOD
338	UCART1	442330	3773480	0.2737	375.17	3068.19	0 PERIOD
339	UCART1	442430	3773480	0.29892	374.93	3068.19	0 PERIOD
340	UCART1	442530	3773480	0.3357	373.53	3068.19	0 PERIOD
341	UCART1	442630	3773480	0.37103	372.86	3068.19	0 PERIOD
342	UCART1	442730	3773480	0.43137	370.24	3068.19	0 PERIOD
343	UCART1	442830	3773480	0.48125	369.26	3068.19	0 PERIOD
344	UCART1	442930	3773480	0.55273	367.21	3068.19	0 PERIOD
345	UCART1	443030	3773480	0.63492	365.11	3068.19	0 PERIOD
346	UCART1	443130	3773480	0.73748	362.56	3068.19	0 PERIOD
347	UCART1	443230	3773480	0.81642	361.12	3068.19	0 PERIOD
348	UCART1	443330	3773480	0.89844	359.46	3068.19	0 PERIOD
349	UCART1	443430	3773480	0.87114	360.62	3068.19	0 PERIOD
350	UCART1	443530	3773480	0.89131	359.88	3068.19	0 PERIOD
351	UCART1	443630	3773480	0.90264	359.01	3068.19	0 PERIOD
352	UCART1	443730	3773480	0.87118	359.14	3068.19	0 PERIOD
353	UCART1	443830	3773480	0.90805	357.04	3068.19	0 PERIOD
354	UCART1	443930	3773480	0.88812	356.52	3068.19	0 PERIOD
355	UCART1	444030	3773480	0.89025	355.25	3068.19	0 PERIOD
356	UCART1	444130	3773480	0.88824	353.98	3068.19	0 PERIOD
357	UCART1	444230	3773480	0.85919	353.46	3068.19	0 PERIOD
358	UCART1	444330	3773480	0.82316	353.19	3068.19	0 PERIOD
359	UCART1	442230	3773580	0.21878	378.77	3068.19	0 PERIOD
360	UCART1	442330	3773580	0.24029	377.74	3068.19	0 PERIOD
361	UCART1	442430	3773580	0.2626	377.01	3068.19	0 PERIOD
362	UCART1	442530	3773580	0.28805	376.13	3068.19	0 PERIOD
363	UCART1	442630	3773580	0.31466	375.44	3068.19	0 PERIOD
364	UCART1	442730	3773580	0.35553	373.35	3068.19	0 PERIOD
365	UCART1	442830	3773580	0.40181	371.32	3068.19	0 PERIOD
366	UCART1	442930	3773580	0.45732	369.03	3068.19	0 PERIOD
367	UCART1	443030	3773580	0.52731	366.25	3068.19	0 PERIOD
368	UCART1	443130	3773580	0.58743	364.5	3068.19	0 PERIOD
369	UCART1	443230	3773580	0.63259	363.51	3068.19	0 PERIOD
370	UCART1	443330	3773580	0.65806	363.16	3068.19	0 PERIOD
371	UCART1	443430	3773580	0.69126	362.07	3068.19	0 PERIOD
372	UCART1	443530	3773580	0.70539	361.41	3068.19	0 PERIOD
373	UCART1	443630	3773580	0.69358	361.47	3068.19	0 PERIOD
374	UCART1	443730	3773580	0.6761	361.54	3068.19	0 PERIOD
375	UCART1	443830	3773580	0.6973	359.72	3068.19	0 PERIOD

376	UCART1	443930	3773580	0.69055	359.05	3068.19	0 PERIOD
377	UCART1	444030	3773580	0.69605	357.79	3068.19	0 PERIOD
378	UCART1	444130	3773580	0.73051	355.24	3068.19	0 PERIOD
379	UCART1	444230	3773580	0.72612	354.2	3068.19	0 PERIOD
380	UCART1	444330	3773580	0.68809	354.62	3068.19	0 PERIOD
381	UCART2	442380	3772130	0.96986	344.85	3068.19	0 PERIOD
382	UCART2	442480	3772130	1.11415	344.2	3068.19	0 PERIOD
383	UCART2	442580	3772130	1.29102	343.5	3068.19	0 PERIOD
384	UCART2	442680	3772130	1.50894	342.71	3068.19	0 PERIOD
385	UCART2	442780	3772130	1.77765	342.17	3068.19	0 PERIOD
386	UCART2	442880	3772130	2.10455	340.84	3068.19	0 PERIOD
387	UCART2	442980	3772130	2.48986	338.9	3068.19	0 PERIOD
388	UCART2	443080	3772130	2.92	337.73	3068.19	0 PERIOD
389	UCART2	443180	3772130	3.34571	336.63	3068.19	0 PERIOD
390	UCART2	443280	3772130	3.68163	335.74	3068.19	0 PERIOD
391	UCART2	443380	3772130	3.8273	334.81	3068.19	0 PERIOD
392	UCART2	443480	3772130	3.73174	334.09	3068.19	0 PERIOD
393	UCART2	443580	3772130	3.42666	333.29	3068.19	0 PERIOD
394	UCART2	443680	3772130	3.01328	333.23	3068.19	0 PERIOD
395	UCART2	443780	3772130	2.57193	331.67	3068.19	0 PERIOD
396	UCART2	443880	3772130	2.17274	330.47	3068.19	0 PERIOD
397	UCART2	443980	3772130	1.83484	329.43	3068.19	0 PERIOD
398	UCART2	444080	3772130	1.55643	327.99	3068.19	0 PERIOD
399	UCART2	442380	3772230	1.03079	346.28	3068.19	0 PERIOD
400	UCART2	442480	3772230	1.19824	345.98	3068.19	0 PERIOD
401	UCART2	442580	3772230	1.40994	345.82	3068.19	0 PERIOD
402	UCART2	442680	3772230	1.68201	344.74	3068.19	0 PERIOD
403	UCART2	442780	3772230	2.03396	343.21	3068.19	0 PERIOD
404	UCART2	442880	3772230	2.48978	341.06	3068.19	0 PERIOD
405	UCART2	442980	3772230	3.07581	339.55	3068.19	0 PERIOD
406	UCART2	443080	3772230	3.79839	338.53	3068.19	0 PERIOD
407	UCART2	443180	3772230	4.59715	337.63	3068.19	0 PERIOD
408	UCART2	443280	3772230	5.30063	337.48	3068.19	0 PERIOD
409	UCART2	443380	3772230	5.62725	336.76	3068.19	0 PERIOD
410	UCART2	443480	3772230	5.40811	335.33	3068.19	0 PERIOD
411	UCART2	443580	3772230	4.7754	334.97	3068.19	0 PERIOD
412	UCART2	443680	3772230	3.98511	335.19	3068.19	0 PERIOD
413	UCART2	443780	3772230	3.23061	333.87	3068.19	0 PERIOD
414	UCART2	443880	3772230	2.613	332.73	3068.19	0 PERIOD
415	UCART2	443980	3772230	2.13039	331.07	3068.19	0 PERIOD
416	UCART2	444080	3772230	1.75488	327.68	3068.19	0 PERIOD
417	UCART2	442380	3772330	1.08378	348.23	3068.19	0 PERIOD
418	UCART2	442480	3772330	1.27332	347.82	3068.19	0 PERIOD
419	UCART2	442580	3772330	1.51981	347.29	3068.19	0 PERIOD
420	UCART2	442680	3772330	1.8488	345.78	3068.19	0 PERIOD
421	UCART2	442780	3772330	2.29769	344.27	3068.19	0 PERIOD
422	UCART2	442880	3772330	2.92337	343.4	3068.19	0 PERIOD

423	UCART2	442980	3772330	3.81213	342.38	3068.19	0 PERIOD
424	UCART2	443080	3772330	5.06362	341.14	3068.19	0 PERIOD
425	UCART2	443180	3772330	6.68776	339.41	3068.19	0 PERIOD
426	UCART2	443280	3772330	8.3684	338.94	3068.19	0 PERIOD
427	UCART2	443380	3772330	9.22495	337.58	3068.19	0 PERIOD
428	UCART2	443480	3772330	8.67752	337.14	3068.19	0 PERIOD
429	UCART2	443580	3772330	7.11487	336.76	3068.19	0 PERIOD
430	UCART2	443680	3772330	5.42576	335.85	3068.19	0 PERIOD
431	UCART2	443780	3772330	4.09112	334.95	3068.19	0 PERIOD
432	UCART2	443880	3772330	3.13732	333.94	3068.19	0 PERIOD
433	UCART2	443980	3772330	2.47289	334.55	3068.19	0 PERIOD
434	UCART2	444080	3772330	1.98546	331.71	3068.19	0 PERIOD
435	UCART2	442380	3772430	0.99143	350.52	3068.19	0 PERIOD
436	UCART2	442480	3772430	1.2214	349.8	3068.19	0 PERIOD
437	UCART2	442580	3772430	1.59665	348.45	3068.19	0 PERIOD
438	UCART2	442680	3772430	1.99098	346.68	3068.19	0 PERIOD
439	UCART2	442780	3772430	2.53386	346.01	3068.19	0 PERIOD
440	UCART2	442880	3772430	3.34713	345.11	3068.19	0 PERIOD
441	UCART2	442980	3772430	4.6328	344.1	3068.19	0 PERIOD
442	UCART2	443080	3772430	6.7755	343.14	3068.19	0 PERIOD
443	UCART2	443180	3772430	10.38565	342.17	3068.19	0 PERIOD
444	UCART2	443280	3772430	15.37944	340.92	3068.19	0 PERIOD
445	UCART2	443380	3772430	18.52051	339.71	3068.19	0 PERIOD
446	UCART2	443480	3772430	16.52739	339.11	3068.19	0 PERIOD
447	UCART2	443580	3772430	11.6069	338.69	3068.19	0 PERIOD
448	UCART2	443680	3772430	7.60345	337.01	3068.19	0 PERIOD
449	UCART2	443780	3772430	5.20384	336.78	3068.19	0 PERIOD
450	UCART2	443880	3772430	3.76205	337.01	3068.19	0 PERIOD
451	UCART2	443980	3772430	2.83115	333.54	3068.19	0 PERIOD
452	UCART2	444080	3772430	2.22223	333.05	3068.19	0 PERIOD
453	UCART2	442380	3772530	0.94277	352.57	3068.19	0 PERIOD
454	UCART2	442480	3772530	1.14708	351.89	3068.19	0 PERIOD
455	UCART2	442580	3772530	1.47671	350.33	3068.19	0 PERIOD
456	UCART2	442680	3772530	1.97125	349.11	3068.19	0 PERIOD
457	UCART2	442780	3772530	2.69774	348.02	3068.19	0 PERIOD
458	UCART2	442880	3772530	3.66134	347.49	3068.19	0 PERIOD
459	UCART2	442980	3772530	5.32888	346.06	3068.19	0 PERIOD
460	UCART2	443080	3772530	8.62851	344.87	3068.19	0 PERIOD
461	UCART2	443180	3772530	16.61117	343.7	3068.19	0 PERIOD
462	UCART2	443280	3772530	38.24642	342.9	3068.19	0 PERIOD
463	UCART2	443380	3772530	57.81867	342.2	3068.19	0 PERIOD
464	UCART2	443480	3772530	46.03686	341.06	3068.19	0 PERIOD
465	UCART2	443580	3772530	21.26789	340.04	3068.19	0 PERIOD
466	UCART2	443680	3772530	10.79385	339.3	3068.19	0 PERIOD
467	UCART2	443780	3772530	6.54438	338.86	3068.19	0 PERIOD
468	UCART2	443880	3772530	4.42891	337.74	3068.19	0 PERIOD
469	UCART2	443980	3772530	3.22006	336.27	3068.19	0 PERIOD

470	UCART2	444080	3772530	2.46175	334.91	3068.19	0 PERIOD
471	UCART2	442380	3772630	0.85421	354.81	3068.19	0 PERIOD
472	UCART2	442480	3772630	1.08461	353.54	3068.19	0 PERIOD
473	UCART2	442580	3772630	1.37828	352.46	3068.19	0 PERIOD
474	UCART2	442680	3772630	1.76325	351.82	3068.19	0 PERIOD
475	UCART2	442780	3772630	2.33078	351.34	3068.19	0 PERIOD
476	UCART2	443680	3772630	13.71892	341.2	3068.19	0 PERIOD
477	UCART2	443780	3772630	7.61947	338.22	3068.19	0 PERIOD
478	UCART2	443880	3772630	4.97473	340.54	3068.19	0 PERIOD
479	UCART2	443980	3772630	3.53289	339.54	3068.19	0 PERIOD
480	UCART2	444080	3772630	2.65485	336.7	3068.19	0 PERIOD
481	UCART2	442380	3772730	0.77182	356.63	3068.19	0 PERIOD
482	UCART2	442480	3772730	0.97846	355.26	3068.19	0 PERIOD
483	UCART2	442580	3772730	1.20773	354.91	3068.19	0 PERIOD
484	UCART2	442680	3772730	1.5561	354.26	3068.19	0 PERIOD
485	UCART2	442780	3772730	2.16608	352.56	3068.19	0 PERIOD
486	UCART2	443680	3772730	12.25246	340.66	3068.19	0 PERIOD
487	UCART2	443780	3772730	7.45869	341.6	3068.19	0 PERIOD
488	UCART2	443880	3772730	4.99917	340.02	3068.19	0 PERIOD
489	UCART2	443980	3772730	3.59928	340.59	3068.19	0 PERIOD
490	UCART2	444080	3772730	2.72242	338.98	3068.19	0 PERIOD
491	UCART2	442380	3772830	0.68296	358.81	3068.19	0 PERIOD
492	UCART2	442480	3772830	0.84056	357.79	3068.19	0 PERIOD
493	UCART2	442580	3772830	1.02531	357.44	3068.19	0 PERIOD
494	UCART2	442680	3772830	1.31682	356.48	3068.19	0 PERIOD
495	UCART2	442780	3772830	1.78517	355.08	3068.19	0 PERIOD
496	UCART2	443080	3772830	5.72478	350.11	3068.19	0 PERIOD
497	UCART2	443180	3772830	8.34464	350.54	3068.19	0 PERIOD
498	UCART2	443580	3772830	12.10793	341.46	3068.19	0 PERIOD
499	UCART2	443680	3772830	8.60091	344.9	3068.19	0 PERIOD
500	UCART2	443780	3772830	6.09745	343.36	3068.19	0 PERIOD
501	UCART2	443880	3772830	4.4484	343.13	3068.19	0 PERIOD
502	UCART2	443980	3772830	3.3565	341.59	3068.19	0 PERIOD
503	UCART2	444080	3772830	2.61325	340.33	3068.19	0 PERIOD
504	UCART2	442380	3772930	0.6048	360.96	3068.19	0 PERIOD
505	UCART2	442480	3772930	0.71073	360.79	3068.19	0 PERIOD
506	UCART2	442580	3772930	0.8943	359.24	3068.19	0 PERIOD
507	UCART2	442680	3772930	1.08974	359	3068.19	0 PERIOD
508	UCART2	442780	3772930	1.46196	357.06	3068.19	0 PERIOD
509	UCART2	442880	3772930	1.92916	356.09	3068.19	0 PERIOD
510	UCART2	442980	3772930	2.62847	355	3068.19	0 PERIOD
511	UCART2	443080	3772930	3.71406	353.59	3068.19	0 PERIOD
512	UCART2	443180	3772930	5.2214	351.7	3068.19	0 PERIOD
513	UCART2	443280	3772930	6.79521	350.43	3068.19	0 PERIOD
514	UCART2	443380	3772930	8.36212	348.87	3068.19	0 PERIOD
515	UCART2	443480	3772930	8.38448	348.03	3068.19	0 PERIOD
516	UCART2	443580	3772930	7.22367	347.35	3068.19	0 PERIOD

517	UCART2	443680	3772930	5.84287	346.43	3068.19	0 PERIOD
518	UCART2	443780	3772930	4.6216	346.06	3068.19	0 PERIOD
519	UCART2	443880	3772930	3.65676	345.22	3068.19	0 PERIOD
520	UCART2	443980	3772930	2.92147	343.92	3068.19	0 PERIOD
521	UCART2	444080	3772930	2.36719	342.74	3068.19	0 PERIOD
522	UCART2	442380	3773030	0.52923	363.46	3068.19	0 PERIOD
523	UCART2	442480	3773030	0.63144	362.46	3068.19	0 PERIOD
524	UCART2	442580	3773030	0.76062	361.56	3068.19	0 PERIOD
525	UCART2	442680	3773030	0.92159	360.87	3068.19	0 PERIOD
526	UCART2	442780	3773030	1.10423	360.81	3068.19	0 PERIOD
527	UCART2	442880	3773030	1.48905	358.18	3068.19	0 PERIOD
528	UCART2	442980	3773030	1.92722	356.93	3068.19	0 PERIOD
529	UCART2	443080	3773030	2.52898	355.51	3068.19	0 PERIOD
530	UCART2	443180	3773030	3.35042	353.72	3068.19	0 PERIOD
531	UCART2	443280	3773030	4.09848	352.25	3068.19	0 PERIOD
532	UCART2	443380	3773030	4.67285	350.59	3068.19	0 PERIOD
533	UCART2	443480	3773030	5.21374	348.69	3068.19	0 PERIOD
534	UCART2	443580	3773030	4.48624	349.42	3068.19	0 PERIOD
535	UCART2	443680	3773030	4.103	348.55	3068.19	0 PERIOD
536	UCART2	443780	3773030	3.49705	348.07	3068.19	0 PERIOD
537	UCART2	443880	3773030	2.93107	346.42	3068.19	0 PERIOD
538	UCART2	443980	3773030	2.45432	346.25	3068.19	0 PERIOD
539	UCART2	444080	3773030	2.06654	344.55	3068.19	0 PERIOD
540	UCART2	442380	3773130	0.46404	365.91	3068.19	0 PERIOD
541	UCART2	442480	3773130	0.54433	364.91	3068.19	0 PERIOD
542	UCART2	442580	3773130	0.64193	364.03	3068.19	0 PERIOD
543	UCART2	442680	3773130	0.76438	363.12	3068.19	0 PERIOD
544	UCART2	442780	3773130	0.94289	361.46	3068.19	0 PERIOD
545	UCART2	442880	3773130	1.13578	360.67	3068.19	0 PERIOD
546	UCART2	442980	3773130	1.42372	359	3068.19	0 PERIOD
547	UCART2	443080	3773130	1.75511	357.71	3068.19	0 PERIOD
548	UCART2	443180	3773130	2.22357	355.62	3068.19	0 PERIOD
549	UCART2	443280	3773130	2.6689	354.06	3068.19	0 PERIOD
550	UCART2	443380	3773130	3.06462	351.96	3068.19	0 PERIOD
551	UCART2	443480	3773130	3.67358	347.39	3068.19	0 PERIOD
552	UCART2	443580	3773130	2.98446	350.97	3068.19	0 PERIOD
553	UCART2	443680	3773130	2.72485	351.2	3068.19	0 PERIOD
554	UCART2	443780	3773130	2.48682	351.1	3068.19	0 PERIOD
555	UCART2	443880	3773130	2.3649	346.41	3068.19	0 PERIOD
556	UCART2	443980	3773130	2.04781	346.77	3068.19	0 PERIOD
557	UCART2	444080	3773130	1.77481	346.99	3068.19	0 PERIOD
558	UCART2	442380	3773230	0.4079	368.22	3068.19	0 PERIOD
559	UCART2	442480	3773230	0.47202	367.09	3068.19	0 PERIOD
560	UCART2	442580	3773230	0.53624	366.82	3068.19	0 PERIOD
561	UCART2	442680	3773230	0.63043	365.53	3068.19	0 PERIOD
562	UCART2	442780	3773230	0.73088	364.85	3068.19	0 PERIOD
563	UCART2	442880	3773230	0.86889	363.49	3068.19	0 PERIOD

564	UCART2	442980	3773230	1.07399	361.13	3068.19	0	PERIOD
565	UCART2	443080	3773230	1.27181	359.83	3068.19	0	PERIOD
566	UCART2	443180	3773230	1.56237	357.45	3068.19	0	PERIOD
567	UCART2	443280	3773230	1.82505	355.76	3068.19	0	PERIOD
568	UCART2	443380	3773230	2.11988	353.62	3068.19	0	PERIOD
569	UCART2	443480	3773230	2.02976	354.39	3068.19	0	PERIOD
570	UCART2	443580	3773230	1.93356	354.65	3068.19	0	PERIOD
571	UCART2	443680	3773230	1.92385	353.56	3068.19	0	PERIOD
572	UCART2	443780	3773230	1.89582	351.8	3068.19	0	PERIOD
573	UCART2	443880	3773230	1.76879	351.41	3068.19	0	PERIOD
574	UCART2	443980	3773230	1.65162	350.82	3068.19	0	PERIOD
575	UCART2	444080	3773230	1.54048	349.02	3068.19	0	PERIOD

Source Gro	Num Hours (NUM HRS)	SLINE1	SLINE2	SLINE3	SLINE4
SLINE4	43848	0.58049	0.58715	0.55483	0.68915
SLINE4	43848	0.62899	0.63843	0.6035	0.76423
SLINE4	43848	0.68159	0.69463	0.6573	0.85042
SLINE4	43848	0.73771	0.75539	0.7162	0.94881
SLINE4	43848	0.7971	0.82061	0.78046	1.06078
SLINE4	43848	0.85847	0.88917	0.84953	1.18641
SLINE4	43848	0.91904	0.95834	0.92159	1.32313
SLINE4	43848	0.97672	1.02588	0.99514	1.46719
SLINE4	43848	1.02898	1.08886	1.06793	1.61164
SLINE4	43848	1.07105	1.1418	1.13516	1.74256
SLINE4	43848	1.09959	1.18037	1.19233	1.8446
SLINE4	43848	1.11226	1.20119	1.23496	1.90318
SLINE4	43848	1.10761	1.20186	1.25868	1.90786
SLINE4	43848	1.08591	1.18208	1.26053	1.85731
SLINE4	43848	1.04932	1.14399	1.24	1.76044
SLINE4	43848	1.00014	1.09025	1.19776	1.63044
SLINE4	43848	0.94481	1.02843	1.14113	1.48855
SLINE4	43848	0.88472	0.96056	1.07268	1.34362
SLINE4	43848	0.8223	0.88984	0.99693	1.20363
SLINE4	43848	0.76257	0.82211	0.92178	1.07781
SLINE4	43848	0.70489	0.75693	0.84775	0.96451
SLINE4	43848	0.64977	0.69493	0.77642	0.86332
SLINE4	43848	0.62479	0.63027	0.59171	0.73461
SLINE4	43848	0.6825	0.69091	0.64836	0.8221
SLINE4	43848	0.74617	0.75854	0.71199	0.92469
SLINE4	43848	0.81576	0.83347	0.78319	1.04509
SLINE4	43848	0.89058	0.91532	0.86215	1.18586
SLINE4	43848	0.97023	1.004	0.94938	1.34997
SLINE4	43848	1.05041	1.09552	1.04242	1.53561
SLINE4	43848	1.12976	1.18842	1.14086	1.74171
SLINE4	43848	1.20164	1.27563	1.23956	1.95587
SLINE4	43848	1.26104	1.35107	1.33365	2.15981
SLINE4	43848	1.30147	1.40658	1.41536	2.32433
SLINE4	43848	1.32099	1.4385	1.47944	2.42464
SLINE4	43848	1.31552	1.44095	1.51689	2.43572
SLINE4	43848	1.28575	1.41361	1.52249	2.35492
SLINE4	43848	1.23045	1.3547	1.48907	2.19029
SLINE4	43848	1.16235	1.27883	1.42834	1.98825
SLINE4	43848	1.08741	1.19351	1.34776	1.77719
SLINE4	43848	1.00682	1.101	1.25092	1.56947
SLINE4	43848	0.9252	1.00721	1.14671	1.37792
SLINE4	43848	0.84672	0.91729	1.04334	1.20928
SLINE4	43848	0.77315	0.83344	0.94512	1.06365
SLINE4	43848	0.7095	0.76118	0.85967	0.94479
SLINE4	43848	0.67155	0.6752	0.62949	0.77908
SLINE4	43848	0.73996	0.74656	0.69508	0.87989

SLINE4	43848	0.8171	0.8279	0.77015	1.00079
SLINE4	43848	0.90343	0.92016	0.85591	1.14661
SLINE4	43848	0.99862	1.02363	0.95328	1.32283
SLINE4	43848	1.10182	1.1381	1.06296	1.53558
SLINE4	43848	1.21047	1.26163	1.18467	1.78987
SLINE4	43848	1.31977	1.38976	1.31636	2.0863
SLINE4	43848	1.42336	1.51576	1.45428	2.41653
SLINE4	43848	1.50992	1.62679	1.58918	2.7494
SLINE4	43848	1.57146	1.71214	1.71182	3.03706
SLINE4	43848	1.60029	1.7606	1.8097	3.21663
SLINE4	43848	1.59127	1.76363	1.86858	3.23534
SLINE4	43848	1.54917	1.72454	1.88234	3.09578
SLINE4	43848	1.46768	1.63564	1.8323	2.80993
SLINE4	43848	1.36892	1.52297	1.73913	2.47541
SLINE4	43848	1.26331	1.40008	1.61761	2.14698
SLINE4	43848	1.15229	1.27027	1.47483	1.84206
SLINE4	43848	1.04479	1.14482	1.32889	1.57931
SLINE4	43848	0.94506	1.02907	1.19025	1.36008
SLINE4	43848	0.85511	0.92547	1.06448	1.17986
SLINE4	43848	0.77465	0.83358	0.95254	1.03126
SLINE4	43848	0.71997	0.72101	0.66724	0.82027
SLINE4	43848	0.80063	0.80441	0.74261	0.93473
SLINE4	43848	0.8937	0.90163	0.83051	1.07484
SLINE4	43848	1.0003	1.01452	0.9331	1.24874
SLINE4	43848	1.12165	1.14523	1.05278	1.4663
SLINE4	43848	1.25755	1.29478	1.1916	1.74041
SLINE4	43848	1.40604	1.46261	1.35099	2.08658
SLINE4	43848	1.56027	1.64314	1.52939	2.5174
SLINE4	43848	1.71163	1.82795	1.72361	3.03647
SLINE4	43848	1.8457	2.00089	1.92461	3.61462
SLINE4	43848	1.94494	2.13985	2.11663	4.16269
SLINE4	43848	1.99445	2.22295	2.27862	4.53415
SLINE4	43848	1.9782	2.22606	2.37723	4.5688
SLINE4	43848	1.9045	2.15415	2.39587	4.26498
SLINE4	43848	1.78447	2.01936	2.32383	3.7388
SLINE4	43848	1.64115	1.8509	2.17973	3.16277
SLINE4	43848	1.48279	1.662	1.97955	2.62173
SLINE4	43848	1.32956	1.47893	1.76489	2.17348
SLINE4	43848	1.18015	1.30195	1.54652	1.80259
SLINE4	43848	1.05593	1.15576	1.36257	1.52523
SLINE4	43848	0.94259	1.02404	1.19614	1.29993
SLINE4	43848	0.84496	0.91178	1.05486	1.12175
SLINE4	43848	0.76882	0.76623	0.70381	0.85655
SLINE4	43848	0.86311	0.86281	0.78957	0.98382
SLINE4	43848	0.9744	0.97777	0.89139	1.14267
SLINE4	43848	1.10576	1.11517	1.01304	1.34456
SLINE4	43848	1.26013	1.27938	1.15892	1.60618

SLINE4	43848	1.43899	1.47409	1.33367	1.95248
SLINE4	43848	1.64322	1.70276	1.54202	2.41508
SLINE4	43848	1.8673	1.96324	1.78668	3.03941
SLINE4	43848	2.09931	2.24605	2.06719	3.87537
SLINE4	43848	2.31378	2.52485	2.37275	4.93038
SLINE4	43848	2.47701	2.7581	2.68015	6.0671
SLINE4	43848	2.55834	2.90025	2.95399	6.91566
SLINE4	43848	2.5338	2.90971	3.13884	7.0149
SLINE4	43848	2.41012	2.78429	3.18382	6.30571
SLINE4	43848	2.21845	2.56034	3.06767	5.19768
SLINE4	43848	1.98882	2.28046	2.8073	4.10168
SLINE4	43848	1.75911	1.99768	2.47955	3.22558
SLINE4	43848	1.54156	1.73159	2.1391	2.56177
SLINE4	43848	1.34671	1.49639	1.82732	2.06859
SLINE4	43848	1.17994	1.29801	1.56308	1.70334
SLINE4	43848	1.03797	1.13167	1.34359	1.42654
SLINE4	43848	0.92019	0.99545	1.16634	1.21577
SLINE4	43848	0.81624	0.80893	0.71826	0.81173
SLINE4	43848	0.92543	0.91932	0.82508	1.00458
SLINE4	43848	1.057	1.05318	0.9331	1.12894
SLINE4	43848	1.21683	1.2178	1.07388	1.34933
SLINE4	43848	1.41138	1.4219	1.26819	1.73152
SLINE4	43848	1.64679	1.67419	1.48612	2.1514
SLINE4	43848	1.93012	1.98646	1.75734	2.74729
SLINE4	43848	2.26226	2.36728	2.09395	3.62499
SLINE4	43848	2.62855	2.81106	2.50316	4.95712
SLINE4	43848	2.9932	3.28678	2.98185	6.97419
SLINE4	43848	3.29181	3.71985	3.5039	9.70145
SLINE4	43848	3.43867	3.98911	4.00069	12.12442
SLINE4	43848	3.39324	4.00905	4.37801	12.44687
SLINE4	43848	3.16782	3.76828	4.50396	10.37076
SLINE4	43848	2.83178	3.35397	4.28919	7.60529
SLINE4	43848	2.4555	2.87353	3.78222	5.41776
SLINE4	43848	2.10418	2.42518	3.18424	3.96807
SLINE4	43848	1.79527	2.03737	2.62656	3.00885
SLINE4	43848	1.53193	1.71405	2.15922	2.35202
SLINE4	43848	1.31862	1.45739	1.79529	1.89516
SLINE4	43848	1.14209	1.24917	1.50811	1.56048
SLINE4	43848	0.99958	1.0837	1.28577	1.31238
SLINE4	43848	0.86008	0.82831	0.7145	0.75898
SLINE4	43848	0.98402	0.97074	0.8229	0.89333
SLINE4	43848	1.13695	1.12396	0.94966	1.06156
SLINE4	43848	1.32858	1.31772	1.13555	1.33717
SLINE4	43848	1.57025	1.56616	1.3754	1.82729
SLINE4	43848	1.87761	1.88782	1.64199	2.30735
SLINE4	43848	2.26926	2.30947	1.98996	3.02519
SLINE4	43848	2.76486	2.86483	2.44827	4.16622

SLINE4	43848	3.35981	3.57486	3.04812	6.15925
SLINE4	43848	4.02109	4.43395	3.81685	9.9761
SLINE4	43848	4.61238	5.30773	4.73651	17.59379
SLINE4	43848	4.92991	5.91101	5.7181	27.62189
SLINE4	43848	4.8338	5.95907	6.5892	29.18572
SLINE4	43848	4.36656	5.42023	7.01152	20.29603
SLINE4	43848	3.72906	4.57364	6.57724	11.73258
SLINE4	43848	3.08472	3.70033	5.41358	7.20301
SLINE4	43848	2.5387	2.97375	4.21056	4.85946
SLINE4	43848	2.08931	2.39536	3.24589	3.49822
SLINE4	43848	1.73767	1.95688	2.54849	2.65018
SLINE4	43848	1.4671	1.62835	2.0525	2.09045
SLINE4	43848	1.25222	1.37347	1.68567	1.69571
SLINE4	43848	1.08179	1.17506	1.41112	1.40826
SLINE4	43848	0.79631	0.7486	0.64292	0.66759
SLINE4	43848	0.95529	0.88473	0.75594	0.80342
SLINE4	43848	1.19387	1.11424	0.93807	1.01517
SLINE4	43848	1.43292	1.33942	1.11262	1.23736
SLINE4	43848	1.7254	1.69854	1.39027	1.59424
SLINE4	43848	2.11618	2.09468	1.72533	2.10732
SLINE4	43848	2.64816	2.64709	2.16948	2.92599
SLINE4	43848	3.38008	3.43976	2.83204	4.49576
SLINE4	43848	4.37532	4.58728	3.70726	7.00053
SLINE4	43848	5.64388	6.20722	4.96039	12.96079
SLINE4	43848	6.97578	8.20263	6.66618	35.91756
SLINE4	43848	7.80214	9.84531	8.7476	140.5964
SLINE4	43848	7.5603	9.99657	11.03171	154.5755
SLINE4	43848	6.43569	8.54289	13.06198	57.76508
SLINE4	43848	5.0932	6.55486	12.12254	18.24622
SLINE4	43848	3.92921	4.85224	8.40933	9.27898
SLINE4	43848	3.05258	3.63514	5.6494	5.74665
SLINE4	43848	2.43068	2.81398	4.02566	3.97748
SLINE4	43848	1.96779	2.22924	3.0026	2.93516
SLINE4	43848	1.62622	1.81175	2.33481	2.27136
SLINE4	43848	1.36928	1.50553	1.87644	1.82089
SLINE4	43848	1.16884	1.27165	1.54416	1.49736
SLINE4	43848	0.77974	0.72747	0.61769	0.61837
SLINE4	43848	0.938	0.87604	0.74028	0.75352
SLINE4	43848	1.19465	1.08116	0.90964	0.95297
SLINE4	43848	1.50174	1.37756	1.1361	1.21186
SLINE4	43848	1.86317	1.74149	1.41688	1.53477
SLINE4	43848	2.33749	2.24334	1.78397	1.98194
SLINE4	43848	3.02585	2.95403	2.31434	2.70239
SLINE4	43848	7.15577	9.83563	38.37595	19.62065
SLINE4	43848	5.00164	6.37375	13.98522	10.01463
SLINE4	43848	3.69	4.46522	7.65296	6.19091
SLINE4	43848	2.81105	3.28225	4.93012	4.23715

SLINE4	43848	2.21275	2.51895	3.48922	3.10383
SLINE4	43848	1.79427	2.00457	2.62924	2.38823
SLINE4	43848	1.48748	1.63812	2.06585	1.9035
SLINE4	43848	1.25513	1.36676	1.6734	1.55828
SLINE4	43848	0.73572	0.67174	0.57065	0.55832
SLINE4	43848	0.88413	0.809	0.67884	0.6651
SLINE4	43848	1.09785	1.0111	0.83839	0.82645
SLINE4	43848	1.37324	1.26352	1.03776	1.03648
SLINE4	43848	1.80529	1.62463	1.31991	1.3473
SLINE4	43848	2.35946	2.08917	1.66432	1.71937
SLINE4	43848	3.28907	2.95145	2.27043	2.36427
SLINE4	43848	12.25641	12.18567	8.09328	8.57202
SLINE4	43848	10.21536	15.17977	71.27081	13.08433
SLINE4	43848	6.38872	8.3509	19.19539	8.38814
SLINE4	43848	4.37823	5.34414	9.32161	5.67815
SLINE4	43848	3.21608	3.76487	5.70576	4.07333
SLINE4	43848	2.46881	2.81083	3.91374	3.05853
SLINE4	43848	1.96375	2.19196	2.88425	2.3839
SLINE4	43848	1.60494	1.76518	2.23081	1.91394
SLINE4	43848	1.34141	1.45848	1.78815	1.57444
SLINE4	43848	0.67272	0.61279	0.52277	0.5046
SLINE4	43848	0.81137	0.73437	0.61922	0.59542
SLINE4	43848	0.96291	0.86704	0.72287	0.69405
SLINE4	43848	1.24359	1.11067	0.90998	0.86489
SLINE4	43848	1.59059	1.41724	1.13901	1.07246
SLINE4	43848	2.14035	1.90571	1.49884	1.39489
SLINE4	43848	3.05554	2.69121	2.07322	1.90817
SLINE4	43848	4.6419	3.94594	2.94196	2.61651
SLINE4	43848	8.08213	7.04254	4.93313	3.92941
SLINE4	43848	15.8201	13.3255	8.74034	5.62247
SLINE4	43848	33.68279	68.19488	89.88242	10.31573
SLINE4	43848	13.83929	19.55611	37.12375	8.11333
SLINE4	43848	7.77516	9.7965	16.70805	6.13517
SLINE4	43848	5.06031	6.02174	9.2749	4.64025
SLINE4	43848	3.59094	4.1287	5.8796	3.56665
SLINE4	43848	2.69922	3.03262	4.07768	2.80109
SLINE4	43848	2.11442	2.33643	3.00962	2.24778
SLINE4	43848	1.70841	1.86425	2.32372	1.83997
SLINE4	43848	1.41571	1.52957	1.85769	1.53376
SLINE4	43848	0.60653	0.55276	0.47427	0.45269
SLINE4	43848	0.71842	0.65047	0.55229	0.52403
SLINE4	43848	0.86493	0.77712	0.65191	0.6133
SLINE4	43848	1.08059	0.96096	0.79401	0.7363
SLINE4	43848	1.39558	1.22509	0.99399	0.9016
SLINE4	43848	1.82159	1.57478	1.25212	1.10193
SLINE4	43848	2.7075	2.30472	1.77689	1.47412
SLINE4	43848	4.05651	3.38339	2.53191	1.94554

SLINE4	43848	6.77854	5.36394	3.89168	2.65122
SLINE4	43848	13.90929	9.79073	6.81415	3.62409
SLINE4	43848	35.46018	19.78512	13.5068	4.68811
SLINE4	43848	85.7455	35.44865	25.36558	5.70879
SLINE4	43848	74.7454	39.32542	32.08605	6.33668
SLINE4	43848	30.11208	26.88951	28.01237	6.1516
SLINE4	43848	14.09021	15.07955	18.62515	5.35978
SLINE4	43848	8.12531	8.98943	11.63188	4.39803
SLINE4	43848	5.30923	5.86549	7.68785	3.62062
SLINE4	43848	3.76312	4.12822	5.32502	2.96231
SLINE4	43848	2.8216	3.07068	3.87511	2.43745
SLINE4	43848	2.20356	2.38009	2.93876	2.0249
SLINE4	43848	1.77517	1.90453	2.3055	1.70083
SLINE4	43848	1.46632	1.56374	1.85997	1.44497
SLINE4	43848	0.54806	0.50009	0.43142	0.4074
SLINE4	43848	0.63999	0.58019	0.49587	0.46424
SLINE4	43848	0.7592	0.68283	0.57737	0.53381
SLINE4	43848	0.94542	0.84037	0.70073	0.63419
SLINE4	43848	1.19351	1.04611	0.85881	0.75484
SLINE4	43848	1.63145	1.39976	1.12538	0.94249
SLINE4	43848	2.23196	1.86662	1.46881	1.15492
SLINE4	43848	3.42917	2.77854	2.12503	1.51183
SLINE4	43848	5.18848	4.01536	2.99936	1.87938
SLINE4	43848	8.43363	6.05394	4.44948	2.3363
SLINE4	43848	15.31373	9.45842	6.99956	2.98864
SLINE4	43848	22.59257	13.75732	10.50728	3.5592
SLINE4	43848	21.84255	15.00702	12.58163	3.90201
SLINE4	43848	15.68223	12.64942	12.03075	3.78291
SLINE4	43848	10.3251	9.41114	9.79247	3.45503
SLINE4	43848	6.93979	6.79589	7.54906	3.12009
SLINE4	43848	4.88392	4.96695	5.8201	2.84206
SLINE4	43848	3.60263	3.72867	4.41333	2.42731
SLINE4	43848	2.76372	2.8835	3.41125	2.07136
SLINE4	43848	2.18773	2.29018	2.69489	1.77547
SLINE4	43848	1.77684	1.86154	2.17355	1.53005
SLINE4	43848	1.47464	1.54392	1.78685	1.32655
SLINE4	43848	0.48363	0.44233	0.38434	0.36009
SLINE4	43848	0.55928	0.5082	0.43788	0.40518
SLINE4	43848	0.66624	0.6001	0.51177	0.46459
SLINE4	43848	0.80879	0.72055	0.60738	0.53712
SLINE4	43848	1.00986	0.88675	0.73758	0.62927
SLINE4	43848	1.3266	1.14103	0.93408	0.75818
SLINE4	43848	1.78691	1.49646	1.20439	0.91595
SLINE4	43848	2.44948	1.98354	1.57005	1.09796
SLINE4	43848	3.58692	2.77348	2.15962	1.34924
SLINE4	43848	5.29613	3.91846	3.01892	1.64437
SLINE4	43848	7.58694	5.43127	4.2277	2.01403

SLINE4	43848	9.96121	6.92188	5.60197	2.40495
SLINE4	43848	10.41214	7.63847	6.48729	2.58288
SLINE4	43848	8.36256	6.56095	5.97115	2.38055
SLINE4	43848	6.87027	5.85439	5.63382	2.35601
SLINE4	43848	5.27261	4.88332	4.90857	2.21453
SLINE4	43848	4.06545	3.91803	4.14141	2.06329
SLINE4	43848	3.18286	3.14487	3.46213	1.93664
SLINE4	43848	2.53859	2.5493	2.88139	1.77014
SLINE4	43848	2.06304	2.09447	2.36413	1.54035
SLINE4	43848	1.70694	1.74412	1.96756	1.35589
SLINE4	43848	1.43481	1.47191	1.65642	1.19794
SLINE4	43848	0.4306	0.39492	0.34555	0.3201
SLINE4	43848	0.49834	0.4538	0.39401	0.35861
SLINE4	43848	0.58467	0.52774	0.4543	0.40408
SLINE4	43848	0.69258	0.61847	0.5276	0.45591
SLINE4	43848	0.86037	0.75679	0.63833	0.53074
SLINE4	43848	1.08148	0.9342	0.7789	0.61802
SLINE4	43848	1.39655	1.17912	0.97138	0.72746
SLINE4	43848	1.89427	1.55214	1.26243	0.87849
SLINE4	43848	2.44991	1.9484	1.57331	1.00929
SLINE4	43848	3.41118	2.61816	2.10295	1.21669
SLINE4	43848	4.4741	3.3901	2.73704	1.42968
SLINE4	43848	5.38957	4.12529	3.43659	1.67452
SLINE4	43848	5.62501	4.35296	3.78261	1.77609
SLINE4	43848	4.98337	4.05256	3.66697	1.69156
SLINE4	43848	4.44079	3.72683	3.50178	1.64605
SLINE4	43848	3.87916	3.34426	3.21413	1.56269
SLINE4	43848	3.24753	3.05883	3.0758	1.62766
SLINE4	43848	2.67882	2.61559	2.6791	1.51122
SLINE4	43848	2.22612	2.18017	2.34161	1.42263
SLINE4	43848	1.86725	1.8519	2.02706	1.34704
SLINE4	43848	1.58131	1.58238	1.75058	1.23248
SLINE4	43848	1.35297	1.36275	1.52026	1.12698
SLINE4	43848	0.37716	0.34702	0.30597	0.27932
SLINE4	43848	0.43545	0.39763	0.34827	0.31134
SLINE4	43848	0.50576	0.4577	0.39814	0.34724
SLINE4	43848	0.59205	0.53012	0.45785	0.38798
SLINE4	43848	0.69696	0.61637	0.52855	0.43318
SLINE4	43848	0.88945	0.77259	0.65556	0.51427
SLINE4	43848	1.08968	0.93006	0.78302	0.58572
SLINE4	43848	1.3797	1.15338	0.96346	0.68056
SLINE4	43848	1.80171	1.46991	1.22009	0.80496
SLINE4	43848	2.29181	1.8302	1.51773	0.93023
SLINE4	43848	2.85381	2.24458	1.87311	1.06466
SLINE4	43848	3.36334	2.67928	2.26958	1.21001
SLINE4	43848	4.0903	3.29542	2.8747	1.51061
SLINE4	43848	3.22374	2.67711	2.4049	1.22956

SLINE4	43848	2.97242	2.52474	2.3308	1.20142
SLINE4	43848	2.75492	2.39857	2.26347	1.19249
SLINE4	43848	2.54098	2.25289	2.17287	1.18712
SLINE4	43848	2.2558	2.09804	2.05309	1.17899
SLINE4	43848	1.98526	1.89172	1.87464	1.11746
SLINE4	43848	1.64771	1.62417	1.70111	1.10143
SLINE4	43848	1.42842	1.40868	1.51484	1.04581
SLINE4	43848	1.24551	1.23707	1.34778	0.98436
SLINE4	43848	0.33981	0.31294	0.27786	0.24915
SLINE4	43848	0.38576	0.35267	0.31154	0.2737
SLINE4	43848	0.43649	0.39584	0.34796	0.29892
SLINE4	43848	0.51164	0.4593	0.40126	0.3357
SLINE4	43848	0.5917	0.52561	0.4567	0.37103
SLINE4	43848	0.72963	0.63893	0.55089	0.43137
SLINE4	43848	0.86166	0.74452	0.63871	0.48125
SLINE4	43848	1.05937	0.90088	0.7685	0.55273
SLINE4	43848	1.3072	1.09409	0.93015	0.63492
SLINE4	43848	1.63789	1.34867	1.14615	0.73748
SLINE4	43848	1.91507	1.56424	1.33842	0.81642
SLINE4	43848	2.1905	1.78627	1.54718	0.89844
SLINE4	43848	2.07237	1.71631	1.52161	0.87114
SLINE4	43848	2.08117	1.74685	1.5816	0.89131
SLINE4	43848	2.04779	1.74219	1.60739	0.90264
SLINE4	43848	1.90008	1.63654	1.53202	0.87118
SLINE4	43848	1.89174	1.66929	1.57923	0.90805
SLINE4	43848	1.76338	1.58231	1.51041	0.88812
SLINE4	43848	1.65192	1.50986	1.46517	0.89025
SLINE4	43848	1.48272	1.42148	1.39656	0.88824
SLINE4	43848	1.31483	1.29296	1.29666	0.85919
SLINE4	43848	1.17996	1.17617	1.20133	0.82316
SLINE4	43848	0.29945	0.27606	0.24715	0.21878
SLINE4	43848	0.33886	0.31022	0.27648	0.24029
SLINE4	43848	0.38229	0.34744	0.30829	0.2626
SLINE4	43848	0.43445	0.39172	0.34604	0.28805
SLINE4	43848	0.49293	0.44071	0.38777	0.31466
SLINE4	43848	0.58286	0.51564	0.45145	0.35553
SLINE4	43848	0.69169	0.60502	0.52729	0.40181
SLINE4	43848	0.83098	0.71791	0.62318	0.45732
SLINE4	43848	1.01788	0.86817	0.75129	0.52731
SLINE4	43848	1.19211	1.00752	0.87356	0.58743
SLINE4	43848	1.32871	1.1185	0.9769	0.63259
SLINE4	43848	1.40162	1.18293	1.04613	0.65806
SLINE4	43848	1.48135	1.25658	1.12726	0.69126
SLINE4	43848	1.49348	1.27871	1.16586	0.70539
SLINE4	43848	1.42909	1.23722	1.14621	0.69358
SLINE4	43848	1.3561	1.18421	1.10991	0.6761
SLINE4	43848	1.37858	1.2114	1.14255	0.6973

SLINE4	43848	1.33333	1.18057	1.11887	0.69055
SLINE4	43848	1.29938	1.16869	1.11295	0.69605
SLINE4	43848	1.26515	1.16819	1.13394	0.73051
SLINE4	43848	1.15549	1.10911	1.09105	0.72612
SLINE4	43848	1.07334	1.03045	1.01709	0.68809
SLINE4	43848	0.81115	0.81837	0.75808	0.96986
SLINE4	43848	0.90139	0.91373	0.84547	1.11415
SLINE4	43848	1.00313	1.02287	0.94624	1.29102
SLINE4	43848	1.11625	1.14652	1.06186	1.50894
SLINE4	43848	1.23958	1.28445	1.19343	1.77765
SLINE4	43848	1.36847	1.43295	1.33989	2.10455
SLINE4	43848	1.49573	1.58509	1.498	2.48986
SLINE4	43848	1.61334	1.732	1.66308	2.92
SLINE4	43848	1.70775	1.85759	1.82372	3.34571
SLINE4	43848	1.76643	1.9449	1.96483	3.68163
SLINE4	43848	1.77913	1.97839	2.067	3.8273
SLINE4	43848	1.74397	1.95216	2.11307	3.73174
SLINE4	43848	1.66575	1.86981	2.0911	3.42666
SLINE4	43848	1.55868	1.74816	2.00575	3.01328
SLINE4	43848	1.43063	1.59841	1.86406	2.57193
SLINE4	43848	1.2989	1.44289	1.69521	2.17274
SLINE4	43848	1.17141	1.29248	1.51934	1.83484
SLINE4	43848	1.05215	1.15266	1.34958	1.55643
SLINE4	43848	0.88078	0.88444	0.81168	1.03079
SLINE4	43848	0.99069	0.99935	0.91461	1.19824
SLINE4	43848	1.11835	1.1348	1.03632	1.40994
SLINE4	43848	1.26476	1.29326	1.18006	1.68201
SLINE4	43848	1.42968	1.4763	1.34868	2.03396
SLINE4	43848	1.6091	1.68197	1.54339	2.48978
SLINE4	43848	1.79617	1.90505	1.7643	3.07581
SLINE4	43848	1.97636	2.13104	2.0058	3.79839
SLINE4	43848	2.1272	2.33388	2.25327	4.59715
SLINE4	43848	2.22626	2.48303	2.48459	5.30063
SLINE4	43848	2.24877	2.54185	2.66102	5.62725
SLINE4	43848	2.1881	2.49409	2.74318	5.40811
SLINE4	43848	2.0639	2.35882	2.71372	4.7754
SLINE4	43848	1.89742	2.163	2.57143	3.98511
SLINE4	43848	1.70699	1.93335	2.33876	3.23061
SLINE4	43848	1.51859	1.70521	2.07136	2.613
SLINE4	43848	1.34226	1.49311	1.8052	2.13039
SLINE4	43848	1.18136	1.30191	1.55896	1.75488
SLINE4	43848	0.95247	0.95071	0.86045	1.08378
SLINE4	43848	1.08505	1.0876	0.98403	1.27332
SLINE4	43848	1.24372	1.2538	1.12932	1.51981
SLINE4	43848	1.4326	1.45548	1.30634	1.8488
SLINE4	43848	1.6553	1.69934	1.52203	2.29769
SLINE4	43848	1.91281	1.99078	1.784	2.92337

SLINE4	43848	2.19679	2.32684	2.09692	3.81213
SLINE4	43848	2.48541	2.68929	2.45849	5.06362
SLINE4	43848	2.73764	3.03341	2.85093	6.68776
SLINE4	43848	2.91004	3.30016	3.24366	8.3684
SLINE4	43848	2.94713	3.40573	3.56488	9.22495
SLINE4	43848	2.84654	3.32596	3.74389	8.67752
SLINE4	43848	2.63174	3.08076	3.70412	7.11487
SLINE4	43848	2.35205	2.73688	3.43402	5.42576
SLINE4	43848	2.05959	2.37066	3.02055	4.09112
SLINE4	43848	1.78521	2.02859	2.5735	3.13732
SLINE4	43848	1.54759	1.73622	2.17172	2.47289
SLINE4	43848	1.33694	1.4822	1.82113	1.98546
SLINE4	43848	1.02275	1.01367	0.87891	0.99143
SLINE4	43848	1.18067	1.17398	1.02298	1.2214
SLINE4	43848	1.37587	1.375	1.21028	1.59665
SLINE4	43848	1.61754	1.62862	1.43626	1.99098
SLINE4	43848	1.91817	1.95119	1.70891	2.53386
SLINE4	43848	2.28703	2.36096	2.05706	3.34713
SLINE4	43848	2.72505	2.87191	2.49971	4.6328
SLINE4	43848	3.20987	3.47718	3.05067	6.7755
SLINE4	43848	3.67521	4.11613	3.70344	10.38565
SLINE4	43848	4.00481	4.6433	4.40839	15.37944
SLINE4	43848	4.08382	4.87101	5.05953	18.52051
SLINE4	43848	3.88351	4.70211	5.48637	16.52739
SLINE4	43848	3.47828	4.20865	5.45893	11.6069
SLINE4	43848	2.98501	3.5659	4.8858	7.60345
SLINE4	43848	2.51932	2.9551	4.06006	5.20384
SLINE4	43848	2.11638	2.43584	3.26733	3.76205
SLINE4	43848	1.77242	2.00492	2.60617	2.83115
SLINE4	43848	1.50394	1.67649	2.11662	2.22223
SLINE4	43848	1.08819	1.02073	0.86429	0.94277
SLINE4	43848	1.27201	1.23708	1.03492	1.14708
SLINE4	43848	1.50733	1.49014	1.26059	1.47671
SLINE4	43848	1.8119	1.80125	1.5354	1.97125
SLINE4	43848	2.21091	2.21808	1.8979	2.69774
SLINE4	43848	2.73734	2.78612	2.35225	3.66134
SLINE4	43848	3.42198	3.56376	2.9734	5.32888
SLINE4	43848	4.27034	4.60452	3.81989	8.62851
SLINE4	43848	5.19132	5.87313	4.93388	16.61117
SLINE4	43848	5.92747	7.08581	6.28515	38.24642
SLINE4	43848	6.12605	7.67183	7.73025	57.81867
SLINE4	43848	5.66003	7.24162	8.96691	46.03686
SLINE4	43848	4.79757	6.08803	9.19234	21.26789
SLINE4	43848	3.88721	4.80297	7.70334	10.79385
SLINE4	43848	3.11191	3.72852	5.70869	6.54438
SLINE4	43848	2.50251	2.91738	4.1828	4.42891
SLINE4	43848	2.0388	2.32458	3.15173	3.22006

SLINE4	43848	1.68746	1.89045	2.45362	2.46175
SLINE4	43848	1.02717	0.96015	0.81314	0.85421
SLINE4	43848	1.30921	1.2028	1.01149	1.08461
SLINE4	43848	1.6272	1.5189	1.24906	1.37828
SLINE4	43848	1.99626	1.93811	1.55938	1.76325
SLINE4	43848	2.50768	2.46813	1.95882	2.33078
SLINE4	43848	5.15785	6.6463	14.47045	13.71892
SLINE4	43848	3.83452	4.69735	8.27974	7.61947
SLINE4	43848	2.96122	3.49487	5.38669	4.97473
SLINE4	43848	2.3357	2.68211	3.78941	3.53289
SLINE4	43848	1.88406	2.1199	2.82272	2.65485
SLINE4	43848	0.99649	0.92382	0.77199	0.77182
SLINE4	43848	1.24639	1.15367	0.95857	0.97846
SLINE4	43848	1.53692	1.4178	1.1635	1.20773
SLINE4	43848	2.02136	1.8093	1.46227	1.5561
SLINE4	43848	2.77157	2.5445	1.99293	2.16608
SLINE4	43848	6.86466	9.27532	30.38609	12.25246
SLINE4	43848	4.74851	5.93999	11.77904	7.45869
SLINE4	43848	3.46054	4.124	6.67576	4.99917
SLINE4	43848	2.64788	3.05483	4.42755	3.59928
SLINE4	43848	2.09153	2.35861	3.18847	2.72242
SLINE4	43848	0.9306	0.84165	0.70401	0.68296
SLINE4	43848	1.16444	1.05551	0.8686	0.84056
SLINE4	43848	1.44579	1.30666	1.05884	1.02531
SLINE4	43848	1.88478	1.7064	1.35839	1.31682
SLINE4	43848	2.60039	2.33374	1.82617	1.78517
SLINE4	43848	10.29337	9.43554	6.47692	5.72478
SLINE4	43848	21.63534	20.62984	12.58137	8.34464
SLINE4	43848	16.67901	28.99683	112.4709	12.10793
SLINE4	43848	9.11739	12.55275	29.2622	8.60091
SLINE4	43848	5.74791	7.18175	12.958	6.09745
SLINE4	43848	3.99831	4.74004	7.38453	4.4484
SLINE4	43848	2.95876	3.39494	4.82794	3.3565
SLINE4	43848	2.29098	2.57061	3.43801	2.61325
SLINE4	43848	0.83706	0.7551	0.63506	0.6048
SLINE4	43848	1.00964	0.90439	0.751	0.71073
SLINE4	43848	1.33562	1.18082	0.96187	0.8943
SLINE4	43848	1.70558	1.49136	1.19239	1.08974
SLINE4	43848	2.43644	2.12727	1.65416	1.46196
SLINE4	43848	3.49974	3.01604	2.2816	1.92916
SLINE4	43848	5.51327	4.58612	3.35817	2.62847
SLINE4	43848	10.55524	8.11758	5.68856	3.71406
SLINE4	43848	25.56058	17.99908	11.6596	5.2214
SLINE4	43848	168.8158	49.49293	34.11058	6.79521
SLINE4	43848	223.0966	86.09382	63.77413	8.36212
SLINE4	43848	76.89633	66.9847	65.12105	8.38448
SLINE4	43848	21.79107	27.19465	37.28628	7.22367

SLINE4	43848	10.67424	12.9193	19.03115	5.84287
SLINE4	43848	6.46129	7.54788	10.90782	4.6216
SLINE4	43848	4.38204	4.98768	6.91323	3.65676
SLINE4	43848	3.19244	3.56518	4.73996	2.92147
SLINE4	43848	2.44423	2.69046	3.45205	2.36719
SLINE4	43848	0.73738	0.66563	0.56401	0.52923
SLINE4	43848	0.91589	0.81803	0.68357	0.63144
SLINE4	43848	1.16076	1.0238	0.84189	0.76062
SLINE4	43848	1.50024	1.30337	1.05241	0.92159
SLINE4	43848	1.94863	1.66227	1.31595	1.10423
SLINE4	43848	3.0344	2.5168	1.93107	1.48905
SLINE4	43848	4.65227	3.73574	2.78189	1.92722
SLINE4	43848	7.87409	5.90267	4.28489	2.52898
SLINE4	43848	15.9622	10.22433	7.32189	3.35042
SLINE4	43848	31.98663	17.4283	12.51933	4.09848
SLINE4	43848	40.97268	22.96726	17.72546	4.67285
SLINE4	43848	29.18197	20.89791	18.98069	5.21374
SLINE4	43848	16.33875	14.72325	15.51536	4.48624
SLINE4	43848	9.62826	9.69528	11.28608	4.103
SLINE4	43848	6.23877	6.54225	7.98636	3.49705
SLINE4	43848	4.35862	4.63137	5.71038	2.93107
SLINE4	43848	3.22247	3.43524	4.21352	2.45432
SLINE4	43848	2.48426	2.64631	3.21016	2.06654
SLINE4	43848	0.65051	0.58808	0.50206	0.46404
SLINE4	43848	0.79725	0.71319	0.6014	0.54433
SLINE4	43848	0.99347	0.87724	0.72963	0.64193
SLINE4	43848	1.27126	1.1037	0.90368	0.76438
SLINE4	43848	1.73792	1.47228	1.18194	0.94289
SLINE4	43848	2.36943	1.9486	1.53451	1.13578
SLINE4	43848	3.54174	2.78435	2.14517	1.42372
SLINE4	43848	5.36864	4.02583	3.0435	1.75511
SLINE4	43848	8.49607	5.99092	4.52516	2.22357
SLINE4	43848	12.7317	8.20324	6.33995	2.6689
SLINE4	43848	15.16684	10.40539	8.4473	3.06462
SLINE4	43848	13.22278	10.25975	9.4215	3.67358
SLINE4	43848	9.90204	8.47322	8.1308	2.98446
SLINE4	43848	7.15339	6.58965	6.73163	2.72485
SLINE4	43848	5.2186	5.04961	5.42537	2.48682
SLINE4	43848	3.90217	3.9001	4.44947	2.3649
SLINE4	43848	3.00724	3.05791	3.51678	2.04781
SLINE4	43848	2.38072	2.44486	2.81611	1.77481
SLINE4	43848	0.57595	0.52155	0.4489	0.4079
SLINE4	43848	0.69918	0.62635	0.53326	0.47202
SLINE4	43848	0.83753	0.74159	0.62484	0.53624
SLINE4	43848	1.05943	0.92229	0.76702	0.63043
SLINE4	43848	1.33749	1.14104	0.93709	0.73088
SLINE4	43848	1.77553	1.47322	1.19317	0.86889

SLINE4	43848	2.53815	2.02798	1.61701	1.07399
SLINE4	43848	3.51039	2.69383	2.12878	1.27181
SLINE4	43848	5.04886	3.76374	2.96352	1.56237
SLINE4	43848	6.43834	4.75779	3.82895	1.82505
SLINE4	43848	7.60235	5.64183	4.76115	2.11988
SLINE4	43848	6.84129	5.29628	4.6855	2.02976
SLINE4	43848	5.88276	4.79145	4.44468	1.93356
SLINE4	43848	5.03008	4.35957	4.20438	1.92385
SLINE4	43848	4.06953	3.80841	3.83897	1.89582
SLINE4	43848	3.26184	3.14196	3.29822	1.76879
SLINE4	43848	2.64075	2.59424	2.8175	1.65162
SLINE4	43848	2.16548	2.15876	2.39441	1.54048

SLINE5	SLINE6	SLINE7	SLINE8	SLINE9	SLINE10	SLINE11	SLINE12	SLINE13
0.66419	0.62037	0.69947	0.87584	0.70296	0.76265	0.91194	0.93867	0.77438
0.73406	0.68429	0.77066	0.97403	0.77878	0.84144	1.00709	1.03509	0.85882
0.81374	0.7573	0.85056	1.08376	0.86498	0.92906	1.10991	1.13806	0.95365
0.90404	0.84036	0.93911	1.20347	0.96197	1.02459	1.21705	1.24351	1.05824
1.00599	0.93472	1.03647	1.33119	1.0702	1.12709	1.32482	1.34709	1.17182
1.11947	1.04082	1.14113	1.46117	1.1884	1.23311	1.42589	1.44087	1.29111
1.242	1.15729	1.24879	1.5822	1.31219	1.33535	1.50881	1.51319	1.40907
1.37028	1.28221	1.35485	1.68325	1.43648	1.42662	1.56494	1.55625	1.51878
1.49849	1.41155	1.45285	1.75267	1.55408	1.49858	1.58765	1.56506	1.61237
1.61511	1.53609	1.53176	1.77678	1.65299	1.53988	1.57058	1.53537	1.6787
1.70766	1.64485	1.5822	1.75142	1.72285	1.54461	1.51657	1.47197	1.71113
1.76423	1.72585	1.59746	1.68152	1.75602	1.51274	1.43428	1.3844	1.70723
1.77569	1.76781	1.57466	1.57804	1.74821	1.44907	1.334	1.28272	1.66776
1.73972	1.7641	1.51656	1.45485	1.70037	1.36238	1.22566	1.17588	1.59707
1.66217	1.71549	1.4311	1.32482	1.61866	1.26273	1.11716	1.07069	1.50241
1.55278	1.62757	1.32688	1.19586	1.51078	1.1574	1.01255	0.97035	1.39072
1.42953	1.51701	1.21759	1.07707	1.39185	1.05591	0.9174	0.87965	1.27459
1.30022	1.39224	1.1077	0.9683	1.26772	0.95933	0.83059	0.7972	1.1578
1.17252	1.26284	1.00169	0.86993	1.14496	0.8692	0.7519	0.72259	1.0449
1.05576	1.14087	0.90598	0.78462	1.03241	0.78924	0.68329	0.65757	0.94272
0.94907	1.02691	0.81895	0.7092	0.92919	0.71712	0.62218	0.59963	0.84976
0.85263	0.92235	0.74025	0.64223	0.83557	0.652	0.56742	0.54768	0.76583
0.70811	0.65797	0.75344	0.95955	0.75414	0.82969	1.01177	1.04658	0.84048
0.78953	0.73156	0.83837	1.08173	0.84402	0.92608	1.13365	1.17154	0.94341
0.88429	0.81721	0.93578	1.22249	0.94864	1.03611	1.26962	1.30939	1.06211
0.99458	0.91703	1.04696	1.38238	1.06997	1.1604	1.41736	1.45672	1.19759
1.1223	1.03311	1.17233	1.55897	1.20917	1.29776	1.57064	1.60578	1.34895
1.26967	1.16801	1.31234	1.74784	1.36715	1.44629	1.7214	1.74723	1.51438
1.4346	1.32115	1.4613	1.93087	1.53835	1.59476	1.84875	1.85902	1.68287
1.61584	1.49301	1.61547	2.09292	1.71826	1.73461	1.94025	1.93005	1.84626
1.80277	1.67666	1.7609	2.20391	1.89147	1.84525	1.9748	1.94211	1.98536
1.98064	1.86148	1.88282	2.24331	2.04163	1.91026	1.94676	1.89413	2.08548
2.1263	2.02843	1.96242	2.2	2.14874	1.91603	1.85993	1.79374	2.13321
2.22042	2.15906	1.99006	2.089	2.20268	1.86633	1.73501	1.66268	2.12877
2.242	2.22931	1.95709	1.92858	2.19273	1.76806	1.58758	1.5155	2.07063
2.18641	2.2261	1.86909	1.74492	2.12081	1.63833	1.43434	1.36667	1.96655
2.05614	2.14108	1.73312	1.55224	1.98893	1.48806	1.28141	1.22058	1.82047
1.8879	2.00349	1.57964	1.37505	1.8278	1.34106	1.14359	1.09006	1.65924
1.70543	1.83583	1.4244	1.21835	1.65529	1.20476	1.02245	0.97585	1.49601
1.52007	1.65175	1.27263	1.07877	1.4795	1.07834	0.91426	0.87407	1.33519
1.34477	1.46886	1.13176	0.95653	1.31207	0.96408	0.81875	0.78422	1.18487
1.18736	1.29949	1.00619	0.85126	1.1607	0.8633	0.73562	0.70597	1.05031
1.0493	1.14804	0.8961	0.76076	1.02719	0.77503	0.66332	0.6378	0.93219
0.93535	1.02183	0.80508	0.68655	0.91665	0.70184	0.60344	0.58127	0.83452
0.75138	0.6945	0.80884	1.04756	0.80548	0.89994	1.12112	1.16634	0.90916
0.84534	0.77843	0.90936	1.1984	0.91112	1.01703	1.27689	1.32821	1.03391

0.9571	0.87801	1.02764	1.3787	1.03741	1.15499	1.45788	1.51455	1.1825
1.09061	0.99683	1.16667	1.59248	1.18855	1.31662	1.66369	1.72326	1.35845
1.25018	1.13898	1.3289	1.84058	1.36847	1.503	1.88816	1.94528	1.56337
1.44038	1.30915	1.51601	2.11836	1.58016	1.71252	2.11763	2.1635	1.79559
1.66452	1.51161	1.72658	2.40873	1.8227	1.93665	2.32646	2.34936	2.04599
1.92189	1.74836	1.95317	2.67652	2.08745	2.15594	2.47855	2.46731	2.29504
2.20475	2.01683	2.18076	2.8734	2.35626	2.34096	2.5411	2.49089	2.51595
2.48776	2.30072	2.37881	2.9427	2.59487	2.45019	2.4912	2.40745	2.67357
2.73445	2.57315	2.51646	2.8683	2.77159	2.46099	2.34659	2.24284	2.75035
2.89733	2.79269	2.56477	2.67289	2.85889	2.37248	2.14211	2.03299	2.73996
2.93426	2.91262	2.50945	2.40479	2.84054	2.20658	1.91327	1.80943	2.64527
2.84214	2.91161	2.3685	2.12117	2.72738	2.00404	1.69196	1.59864	2.48651
2.62052	2.76495	2.14971	1.83645	2.51406	1.77742	1.47879	1.39846	2.26065
2.34476	2.53287	1.91155	1.58796	2.25916	1.5661	1.29464	1.22659	2.01625
2.06139	2.26289	1.68213	1.37879	1.99672	1.3793	1.13908	1.08172	1.77702
1.78824	1.98068	1.46782	1.19926	1.73999	1.21227	1.00402	0.95593	1.5494
1.54613	1.71845	1.28014	1.04892	1.50934	1.06824	0.88924	0.84885	1.34758
1.33982	1.48878	1.12042	0.92373	1.31079	0.94567	0.79216	0.75808	1.17479
1.16757	1.29414	0.98644	0.81956	1.14388	0.84205	0.71015	0.68121	1.02969
1.0239	1.13063	0.87377	0.73199	1.00404	0.75388	0.64022	0.61548	0.90796
0.79211	0.72844	0.86378	1.13662	0.85484	0.97124	1.23752	1.29577	0.97792
0.89904	0.82276	0.98148	1.32041	0.97735	1.11186	1.43508	1.50428	1.12752
1.02883	0.93672	1.12355	1.5488	1.12777	1.28312	1.67529	1.75623	1.31198
1.18823	1.07617	1.29568	1.83224	1.31402	1.49154	1.96268	2.05381	1.53964
1.38523	1.24805	1.50459	2.18189	1.54556	1.7446	2.2976	2.39288	1.81911
1.62993	1.46152	1.75678	2.60196	1.83226	2.04655	2.66506	2.75036	2.15472
1.93331	1.72729	2.05666	3.07852	2.1809	2.39323	3.02539	3.07713	2.5396
2.30309	2.05538	2.39894	3.55313	2.58471	2.75657	3.30183	3.29267	2.94124
2.73893	2.45228	2.76601	3.92563	3.01796	3.08318	3.41731	3.33364	3.308
3.21559	2.90838	3.114	4.07275	3.42603	3.29209	3.32916	3.18414	3.57762
3.66635	3.38177	3.37383	3.93323	3.73882	3.31559	3.06882	2.89471	3.70811
3.98663	3.79098	3.47709	3.56724	3.89996	3.15133	2.71945	2.54644	3.6929
4.05628	4.01524	3.37518	3.08414	3.86286	2.84612	2.3463	2.19227	3.52815
3.85946	3.99311	3.10778	2.60747	3.64734	2.49371	2.0058	1.87605	3.25122
3.46262	3.72937	2.74207	2.18705	3.29175	2.14893	1.71202	1.60569	2.89417
2.99285	3.32007	2.36238	1.84266	2.87533	1.84613	1.47015	1.38362	2.51389
2.5243	2.84798	2.00454	1.55841	2.44755	1.58246	1.26695	1.19683	2.14019
2.11905	2.40674	1.70154	1.33181	2.06723	1.36466	1.10146	1.04427	1.81394
1.77293	2.01235	1.44303	1.1432	1.73535	1.17804	0.96042	0.91372	1.53116
1.50887	1.70617	1.24492	0.99875	1.47959	1.03314	0.85031	0.81147	1.31319
1.29117	1.45138	1.07948	0.87744	1.26715	0.90961	0.75598	0.72352	1.13163
1.11727	1.24778	0.94561	0.77816	1.09693	0.80766	0.67747	0.65006	0.98549
0.82231	0.73895	0.91342	1.22163	0.88683	1.04012	1.35597	1.42976	1.03407
0.94806	0.86275	1.05167	1.44114	1.03917	1.20628	1.60269	1.69466	1.2196
1.09585	0.99076	1.21946	1.72428	1.21488	1.415	1.91718	2.03166	1.44488
1.28176	1.15059	1.42945	2.09464	1.44013	1.68042	2.31835	2.45836	1.73659
1.51957	1.35361	1.69488	2.58275	1.73359	2.02072	2.82316	2.98579	2.11718

1.82908	1.61643	2.03204	3.22018	2.11982	2.45538	3.42893	3.59507	2.6095
2.23405	1.95966	2.4591	4.02581	2.62609	3.00172	4.0901	4.21291	3.22511
2.76595	2.41225	2.98928	4.94123	3.26878	3.64379	4.66021	4.6668	3.92748
3.45489	3.00824	3.61567	5.7558	4.02166	4.29063	4.92172	4.76458	4.60466
4.29434	3.76514	4.2695	6.10125	4.77122	4.73422	4.72865	4.44609	5.09297
5.17906	4.63682	4.79771	5.7679	5.35252	4.76862	4.18471	3.86816	5.30121
5.86248	5.45792	5.01935	4.96672	5.64693	4.39592	3.52653	3.24104	5.2488
6.03115	5.94397	4.82785	4.0492	5.58577	3.79553	2.9073	2.67514	4.96347
5.59664	5.89028	4.29728	3.24365	5.17845	3.16991	2.39073	2.20964	4.48041
4.78557	5.33504	3.61838	2.6104	4.51914	2.62333	1.98167	1.84173	3.86353
3.89322	4.49986	2.95478	2.12315	3.75446	2.17184	1.65769	1.54936	3.20496
3.12532	3.66551	2.40626	1.7561	3.05336	1.81607	1.40527	1.32038	2.61838
2.51431	2.94906	1.97232	1.47209	2.47072	1.53199	1.20337	1.13612	2.13489
2.04635	2.38268	1.63645	1.25004	2.01442	1.30524	1.04069	0.98676	1.75572
1.69329	1.95205	1.37882	1.07595	1.667	1.12521	0.90981	0.86594	1.46543
1.42255	1.6229	1.17745	0.93652	1.39979	0.97978	0.80257	0.76643	1.24054
1.21486	1.3725	1.02023	0.82505	1.19482	0.86301	0.7152	0.68502	1.06674
0.78137	0.69886	0.9335	1.29559	0.88431	1.10237	1.4682	1.55946	1.06264
0.95253	0.84227	1.10454	1.5503	1.05696	1.29401	1.76935	1.88867	1.27821
1.09742	0.9472	1.28491	1.88956	1.23553	1.54149	2.17093	2.32988	1.53101
1.30225	1.1303	1.53665	2.35634	1.50284	1.86949	2.71813	2.93083	1.89732
1.64381	1.42814	1.88954	3.01867	1.90454	2.31557	3.47175	3.75019	2.43553
2.02206	1.76139	2.33153	3.9722	2.42738	2.93231	4.49385	4.83195	3.17094
2.54658	2.19048	2.93349	5.35868	3.16187	3.79984	5.80207	6.12317	4.20269
3.29486	2.79825	3.761	7.2695	4.22673	4.99784	7.16574	7.25507	5.57244
4.38143	3.68332	4.87218	9.35713	5.66193	6.44522	7.88134	7.52349	7.02162
5.92945	4.97739	6.23231	10.40695	7.23219	7.60352	7.36608	6.71026	8.02286
7.89724	6.75239	7.51352	9.45047	8.46184	7.67988	6.05963	5.42105	8.35316
9.64978	8.67201	8.08455	7.3617	9.03651	6.64338	4.70568	4.21442	8.15806
10.1287	9.90458	7.65439	5.4508	8.9253	5.28747	3.63836	3.28584	7.62984
8.96079	9.74982	6.43307	4.06233	8.08491	4.11254	2.85471	2.60364	6.72939
6.99817	8.31547	4.98448	3.10746	6.66217	3.22131	2.28609	2.10447	5.50593
5.19329	6.41625	3.76423	2.43913	5.11503	2.55986	1.86423	1.73027	4.25037
3.88541	4.80955	2.89402	1.96717	3.8689	2.07701	1.5507	1.4494	3.25073
2.97864	3.63456	2.28221	1.62029	2.96629	1.71474	1.31001	1.2318	2.52397
2.3423	2.80517	1.84167	1.35665	2.32547	1.43585	1.12015	1.05873	2.0032
1.89376	2.2282	1.5229	1.15624	1.87437	1.22268	0.97146	0.92226	1.63268
1.5625	1.80958	1.28114	0.99762	1.54262	1.05329	0.85064	0.81066	1.3572
1.31575	1.50345	1.09697	0.87237	1.29673	0.91949	0.75321	0.72021	1.15094
0.73766	0.66066	0.92093	1.33666	0.84777	1.12486	1.56393	1.67232	1.05301
0.86539	0.76926	1.08868	1.63571	1.01219	1.35158	1.91628	2.06464	1.28345
1.02431	0.90201	1.29736	2.02523	1.21776	1.63406	2.40803	2.61782	1.58006
1.28327	1.11562	1.62454	2.58506	1.55835	2.04118	3.12357	3.43062	2.04377
1.72567	1.48475	2.06694	3.43099	2.04927	2.59853	4.20571	4.66722	2.74858
2.18339	1.87374	2.62908	4.77846	2.71141	3.43185	5.90727	6.60587	3.80468
2.82579	2.38616	3.44746	7.08123	3.737	4.75959	8.61979	9.56107	5.5701
3.81546	3.1527	4.70388	11.23151	5.52678	7.02708	12.52821	13.13036	8.66806

5.45692	4.40196	6.70871	17.87958	8.70776	10.83087	15.33998	14.17256	12.89132
8.33371	6.58937	9.8979	22.7003	12.95792	15.05249	13.3134	11.32387	15.45981
13.30307	10.59511	13.8512	18.39046	15.94786	15.1258	9.33681	7.92351	15.62767
19.30847	16.41817	15.82045	11.64995	17.16972	11.25717	6.40361	5.54607	14.78887
21.18433	20.42339	14.66044	7.43758	17.02465	7.70094	4.56214	4.03394	13.8119
16.87125	19.84189	11.08116	5.07005	15.0844	5.4021	3.39264	3.05181	11.97127
10.96526	14.92682	7.26849	3.67403	11.13561	3.95904	2.62209	2.39109	8.84893
7.04235	9.70485	4.85579	2.78424	7.3441	3.00875	2.08593	1.92307	5.93145
4.82955	6.41828	3.47933	2.1926	4.97593	2.36765	1.70477	1.58552	4.09745
3.50063	4.46659	2.6221	1.77094	3.55188	1.90681	1.41793	1.32831	2.97859
2.66041	3.28095	2.05864	1.46391	2.66897	1.57068	1.20004	1.13095	2.27406
2.10184	2.52362	1.67069	1.23566	2.09287	1.32123	1.03255	0.978	1.80758
1.70624	2.00515	1.38689	1.05838	1.69054	1.12773	0.89866	0.85483	1.47732
1.4175	1.63733	1.174	0.91894	1.39994	0.97597	0.79085	0.75504	1.23582
0.65093	0.57849	0.84236	1.16232	0.74484	1.02427	1.44225	1.59981	0.94359
0.78135	0.6878	1.01869	1.44916	0.90386	1.25192	1.85519	2.05715	1.17476
0.97958	0.85782	1.28198	1.91653	1.15204	1.60221	2.59303	2.85071	1.54871
1.19211	1.03277	1.58639	2.51802	1.44075	2.03253	3.45754	3.86471	2.01796
1.53351	1.31103	2.0703	3.71001	1.95977	2.78417	4.87957	5.57843	2.85227
2.01304	1.68756	2.75837	5.39207	2.71197	3.83955	7.45122	8.78019	4.20868
2.8239	2.26719	3.82951	8.6972	4.01435	5.64152	12.76108	15.59209	7.01065
4.18223	3.34088	5.67163	16.77689	6.85345	9.4633	25.70689	31.09936	14.82195
6.3657	4.93337	9.08543	43.5021	15.53188	21.22786	50.69003	40.91286	47.25314
11.13257	8.16179	17.15945	93.5043	40.46346	53.15738	30.73804	22.07416	58.23711
25.16452	17.66682	39.88185	48.28414	49.75305	51.32449	15.11774	11.89238	52.13373
61.97458	53.10693	50.92288	19.19544	52.19905	22.32762	8.73082	7.28313	41.19862
74.27109	72.7036	47.58261	10.04291	52.19374	11.54513	5.67011	4.91036	39.7513
46.18667	71.80387	29.31824	6.22497	48.04069	7.09397	3.99396	3.54742	36.40115
18.39249	35.55324	11.26445	4.27654	24.52481	4.82681	2.98095	2.69586	18.68738
9.48613	15.42562	6.20988	3.13339	11.05177	3.50009	2.31418	2.12128	8.69431
5.869	8.4596	4.09525	2.40513	6.32868	2.66057	1.85327	1.71657	5.12053
4.05341	5.41627	2.97418	1.91876	4.20255	2.10561	1.52691	1.42597	3.47933
2.98491	3.78794	2.27781	1.56861	3.02767	1.70856	1.2804	1.2038	2.55495
2.30587	2.82152	1.81518	1.31124	2.30964	1.41912	1.09246	1.03281	1.9801
1.84597	2.19874	1.49014	1.11659	1.83514	1.20188	0.94609	0.89859	1.59429
1.51619	1.7687	1.24943	0.96394	1.50028	1.0325	0.82833	0.78987	1.31815
0.60551	0.53887	0.79463	1.10624	0.69558	0.97194	1.38912	1.52535	0.8854
0.73646	0.64883	0.98291	1.39603	0.85696	1.21105	1.79884	2.01693	1.11769
0.92941	0.80844	1.25233	1.83548	1.09326	1.56797	2.5072	2.7974	1.47926
1.17331	1.01302	1.60735	2.49689	1.41475	2.05922	3.58722	4.11815	2.01592
1.48931	1.26868	2.09372	3.71712	1.88975	2.80479	5.27151	6.15475	2.83331
1.91877	1.60494	2.79927	5.46813	2.58669	3.93234	8.46235	10.41073	4.27977
2.60461	2.12253	3.99055	9.14196	3.86278	5.99465	16.2724	22.15848	7.58496
24.69795	86.77971	13.4816	4.71228	54.33916	5.64084	3.29976	2.97111	41.28481
11.20582	21.34003	7.04035	3.38507	14.50632	3.93815	2.51073	2.29447	11.29646
6.64137	10.23114	4.54692	2.57833	7.43571	2.94222	1.99408	1.84287	5.96042
4.45228	6.1548	3.23418	2.03328	4.68969	2.28411	1.62329	1.51345	3.85462

3.22283	4.17427	2.44521	1.65022	3.29413	1.83077	1.35075	1.26829	2.76396
2.46121	3.05275	1.93095	1.37237	2.47511	1.50756	1.14616	1.08246	2.11226
1.95161	2.34678	1.57228	1.16265	1.94425	1.26679	0.98722	0.93689	1.68285
1.59174	1.86992	1.31015	0.99974	1.57677	1.08176	0.86071	0.8202	1.38115
0.54913	0.49027	0.72791	0.97922	0.62449	0.88368	1.27043	1.4029	0.79674
0.65352	0.57798	0.8841	1.23069	0.75542	1.09065	1.63322	1.82554	0.99061
0.81102	0.70886	1.12261	1.63799	0.95911	1.41375	2.21197	2.49881	1.29645
1.01618	0.8762	1.44866	2.18088	1.22723	1.8485	3.09481	3.61021	1.73239
1.31996	1.11889	1.93993	3.05731	1.63297	2.53878	4.72623	5.66072	2.47275
1.68538	1.40141	2.5996	4.40444	2.17239	3.49958	7.67668	9.54502	3.62418
2.30892	1.88365	3.77721	7.16731	3.17012	5.34849	15.23099	21.10293	6.32422
8.79768	6.1653	26.38022	43.7221	14.11783	38.23358	65.72696	44.06134	20.98417
16.92285	42.77142	10.18228	4.68422	25.73747	6.06442	3.46602	3.13022	19.8478
9.91191	17.86846	6.5242	3.42475	12.079	4.21007	2.63353	2.41105	9.53295
6.35782	9.62594	4.47564	2.61728	6.99723	3.1058	2.07538	1.92018	5.64832
4.41706	6.07621	3.27	2.07443	4.62705	2.40138	1.6865	1.57355	3.81673
3.25077	4.20779	2.50025	1.68752	3.31586	1.91688	1.40028	1.31544	2.78701
2.50041	3.10391	1.98177	1.40351	2.51204	1.57108	1.18461	1.11915	2.1454
1.98918	2.39516	1.61516	1.18844	1.98045	1.31486	1.01759	0.96593	1.71453
1.62559	1.91252	1.34656	1.02197	1.60956	1.12006	0.88587	0.84431	1.40976
0.49815	0.44659	0.65835	0.86117	0.56026	0.79169	1.11676	1.23464	0.70691
0.5877	0.52227	0.79681	1.06676	0.67013	0.97196	1.42603	1.59494	0.86875
0.68521	0.60328	0.95245	1.3079	0.79261	1.17843	1.8107	2.05325	1.05907
0.85426	0.74245	1.2325	1.75567	1.01035	1.55675	2.5532	2.93916	1.41004
1.06072	0.90875	1.59594	2.36406	1.286	2.05947	3.65153	4.31175	1.89324
1.38329	1.16384	2.19822	3.41609	1.73305	2.91034	5.69214	6.92198	2.73021
1.90264	1.56456	3.27363	5.12333	2.44909	4.4144	9.8437	12.77631	4.29055
2.63624	2.1095	5.05633	7.75731	3.46076	6.89352	18.92638	23.90236	6.94305
4.03861	3.15299	9.33234	12.87994	5.36309	12.75113	31.72355	32.23104	10.44221
5.98369	4.50208	21.0095	15.59828	7.21274	27.29563	25.41331	21.8903	10.20842
13.00243	14.95472	10.73124	5.6019	11.69359	8.94512	4.53435	4.09043	9.50338
9.92494	13.93285	7.55203	4.1608	10.24539	5.86542	3.37379	3.0809	8.2507
7.21095	10.32256	5.44124	3.18403	7.61707	4.15987	2.60804	2.40565	6.19624
5.26292	7.22202	4.03221	2.50527	5.47181	3.11179	2.07836	1.93303	4.51502
3.93397	5.1527	3.07911	2.01964	4.01636	2.42061	1.69732	1.58958	3.36365
3.02614	3.81304	2.41922	1.66249	3.04753	1.94076	1.41445	1.33239	2.58848
2.39182	2.92276	1.9492	1.39327	2.38646	1.59411	1.19887	1.13493	2.05311
1.93591	2.30865	1.60472	1.18573	1.91972	1.33543	1.03077	0.97996	1.67057
1.60005	1.87098	1.34652	1.02323	1.58032	1.13809	0.89779	0.85671	1.3893
0.44837	0.4038	0.58634	0.74759	0.49827	0.69765	0.96051	1.05468	0.61849
0.51932	0.46415	0.6947	0.89982	0.58278	0.83593	1.1878	1.31682	0.73915
0.60845	0.5391	0.83645	1.10118	0.69046	1.01903	1.50301	1.6854	0.89858
0.73186	0.64174	1.04337	1.39569	0.84186	1.28945	1.98975	2.26317	1.13201
0.89902	0.77879	1.34341	1.81854	1.05007	1.68571	2.74094	3.16983	1.46966
1.10438	0.94398	1.74645	2.36438	1.30762	2.22077	3.80937	4.4704	1.91223
1.48894	1.24995	2.55751	3.42414	1.79362	3.30241	5.93229	6.96518	2.75468
1.98869	1.63913	3.8002	4.73097	2.4022	4.92256	8.53617	9.69816	3.74314

2.75987	2.23129	6.26921	6.15358	3.21819	7.97337	11.13706	11.58158	4.787
3.8649	3.09018	11.5799	7.22508	4.16453	14.15229	11.01031	10.86726	5.3814
5.189	4.19173	23.46968	7.71596	5.14098	26.89651	9.06108	8.35952	5.67191
6.535	5.49544	17.69434	6.66361	5.91499	20.15615	6.81626	6.24503	5.8099
7.52424	6.849	10.77134	5.40748	6.4285	11.28155	5.11634	4.69547	5.84091
7.04183	7.35836	7.62572	4.31194	6.31241	7.29148	3.90557	3.60217	5.49994
6.27303	7.35002	5.77673	3.44345	5.96076	5.12119	3.04845	2.82778	5.04766
4.99926	5.99366	4.39329	2.77575	4.83139	3.79551	2.43328	2.27015	4.11173
4.07513	5.05878	3.46251	2.26708	4.04442	2.92409	1.9819	1.85883	3.44
3.27205	4.02596	2.75921	1.87751	3.25378	2.3212	1.64343	1.54878	2.78675
2.64884	3.20533	2.2371	1.57624	2.62651	1.88806	1.38472	1.31064	2.26867
2.17115	2.58258	1.844	1.3402	2.14609	1.56671	1.18297	1.12403	1.86988
1.80385	2.11186	1.54344	1.15289	1.77834	1.32215	1.023	0.9754	1.56255
1.51901	1.75342	1.31039	1.00266	1.49464	1.13242	0.89458	0.85562	1.32377
0.40478	0.36634	0.52348	0.65081	0.44465	0.6163	0.82571	0.89955	0.54237
0.46188	0.41533	0.6095	0.76411	0.51055	0.72372	0.99192	1.08822	0.63284
0.53222	0.47515	0.71959	0.90765	0.59208	0.86211	1.21099	1.33883	0.74735
0.63428	0.56143	0.88742	1.12188	0.71106	1.07436	1.55114	1.73065	0.91836
0.75834	0.66522	1.10509	1.38883	0.85579	1.35076	1.99811	2.24717	1.13182
0.95268	0.82675	1.47475	1.81916	1.08377	1.82206	2.74518	3.10632	1.47451
1.17723	1.01118	1.95457	2.30082	1.34077	2.42749	3.60902	4.06249	1.85543
1.55811	1.3221	2.83784	3.08196	1.76756	3.53397	4.87946	5.33371	2.43916
1.96576	1.65578	3.97514	3.70202	2.1753	4.89679	5.57182	5.80887	2.86197
2.49019	2.09571	5.63079	4.12088	2.62908	6.77725	5.65354	5.68028	3.19584
3.25698	2.77032	7.72363	4.34948	3.20512	8.95045	5.50521	5.34407	3.56784
3.96281	3.52869	7.7475	4.47343	3.76023	8.79678	4.79447	4.52913	3.81687
4.40489	4.16521	6.56425	3.90408	4.07955	7.04643	3.91764	3.68616	3.88641
4.28908	4.35491	5.28841	3.30529	4.01413	5.3608	3.19163	3.00243	3.67199
3.90458	4.19199	4.25065	2.78012	3.70226	4.12617	2.61668	2.46536	3.32675
3.50277	3.86333	3.47355	2.34151	3.32858	3.24296	2.16687	2.04632	2.95462
3.1502	3.65215	2.90547	1.98287	3.05408	2.60284	1.81448	1.71797	2.67468
2.6635	3.1195	2.40387	1.68865	2.60904	2.12716	1.53623	1.45865	2.28686
2.24706	2.61701	2.00622	1.44949	2.2037	1.76786	1.31528	1.25241	1.93988
1.90621	2.20273	1.69316	1.25419	1.86962	1.49075	1.13744	1.086	1.65409
1.62775	1.86479	1.44393	1.09383	1.59615	1.27338	0.99284	0.95035	1.41978
1.4002	1.58995	1.24373	0.96151	1.3726	1.10054	0.87433	0.83891	1.22775
0.35898	0.32682	0.45726	0.55283	0.38916	0.5316	0.69079	0.74585	0.46531
0.40483	0.36668	0.52509	0.63576	0.44031	0.61433	0.80955	0.87813	0.53242
0.4656	0.41933	0.6184	0.74752	0.50828	0.72867	0.97363	1.06149	0.62271
0.54042	0.48382	0.73868	0.88672	0.59188	0.87654	1.18425	1.29711	0.73509
0.63624	0.56607	0.90141	1.06597	0.69867	1.07687	1.4626	1.60738	0.87962
0.77117	0.68138	1.14571	1.31824	0.84837	1.37756	1.86067	2.04634	1.08219
0.9386	0.82412	1.47528	1.61793	1.03018	1.77987	2.33034	2.54626	1.32102
1.1357	0.99264	1.9012	1.93006	1.23458	2.28989	2.78095	2.98855	1.5667
1.41175	1.23069	2.54142	2.30432	1.50798	3.04293	3.24366	3.3955	1.8616
1.74398	1.52518	3.28046	2.62862	1.81164	3.87745	3.47523	3.53889	2.12839
2.16735	1.92012	4.00394	2.86623	2.17226	4.62747	3.49873	3.51503	2.39778

2.62022	2.38772	4.39022	2.91902	2.52	4.92266	3.38834	3.33081	2.62253
2.84348	2.72107	4.13884	2.89429	2.712	4.50015	3.01864	2.8875	2.68185
2.62707	2.60812	3.48931	2.42245	2.50799	3.6919	2.57023	2.47513	2.43703
2.59597	2.69662	3.09344	2.24988	2.50649	3.17108	2.19565	2.09494	2.35639
2.44124	2.59604	2.68626	1.97178	2.36616	2.6731	1.87922	1.79386	2.18808
2.26455	2.43208	2.32961	1.70686	2.1834	2.24	1.61666	1.5448	1.99201
2.11286	2.28434	2.03684	1.4907	2.01774	1.88507	1.39967	1.33921	1.82393
1.92117	2.0834	1.77803	1.3064	1.81988	1.60515	1.21949	1.16867	1.63381
1.64959	1.86687	1.52389	1.15117	1.61424	1.38039	1.06991	1.02689	1.4493
1.44181	1.6248	1.32357	1.01867	1.41781	1.19716	0.94483	0.9084	1.27597
1.26567	1.41339	1.15765	0.90619	1.23753	1.04706	0.83973	0.80871	1.11915
0.32034	0.29352	0.40242	0.47271	0.343	0.46218	0.58159	0.62261	0.40227
0.3599	0.32852	0.46007	0.53853	0.38604	0.53109	0.6731	0.72288	0.45645
0.4069	0.37001	0.53097	0.61724	0.43714	0.61608	0.78466	0.84515	0.52117
0.46089	0.41761	0.61572	0.70733	0.49557	0.71772	0.91466	0.98712	0.59525
0.53894	0.48622	0.74296	0.839	0.5802	0.87083	1.10587	1.19505	0.70286
0.63092	0.56698	0.90081	0.99002	0.67865	1.05997	1.32511	1.42938	0.82606
0.74737	0.66926	1.11099	1.17169	0.80093	1.30973	1.58249	1.69669	0.97414
0.90932	0.81201	1.41775	1.40742	0.96716	1.67055	1.90019	2.01539	1.1666
1.05398	0.94289	1.70014	1.56269	1.10404	1.98926	2.06487	2.15511	1.30029
1.28355	1.15365	2.1366	1.79894	1.32061	2.47936	2.30811	2.36777	1.51053
1.52391	1.38632	2.49284	1.97748	1.53635	2.85252	2.40551	2.4215	1.68905
1.8017	1.67298	2.78174	2.08369	1.77613	3.1107	2.40442	2.41769	1.8709
1.92344	1.83801	2.74236	2.00688	1.86768	2.98787	2.25648	2.22464	1.90055
1.83728	1.81265	2.45807	1.82385	1.7893	2.63159	2.00983	1.97349	1.78469
1.78795	1.81118	2.24603	1.69885	1.74723	2.36051	1.82065	1.77479	1.71331
1.69456	1.74515	2.02641	1.57339	1.66299	2.10682	1.64532	1.59386	1.61341
1.76377	1.86055	1.90286	1.47819	1.72011	1.89131	1.42319	1.37001	1.60949
1.63258	1.72602	1.69248	1.31999	1.58564	1.65076	1.25564	1.20939	1.47374
1.53116	1.62436	1.51779	1.16713	1.47459	1.43845	1.11256	1.0724	1.35555
1.42468	1.55004	1.35477	1.04448	1.37438	1.25366	0.99038	0.95541	1.25362
1.29211	1.41501	1.20527	0.93677	1.24718	1.10446	0.88509	0.85474	1.13535
1.17225	1.29146	1.07657	0.8431	1.1337	0.97863	0.79463	0.76825	1.03045
0.28061	0.25907	0.34754	0.39697	0.29713	0.39443	0.48032	0.50991	0.34197
0.31365	0.28884	0.39477	0.44831	0.33251	0.44994	0.54927	0.58438	0.38492
0.35088	0.32234	0.44957	0.50608	0.37226	0.51443	0.62786	0.66911	0.43322
0.3934	0.36054	0.51402	0.57129	0.41735	0.5902	0.71741	0.76519	0.48781
0.44099	0.40332	0.58841	0.64239	0.46725	0.67733	0.81519	0.869	0.54753
0.52594	0.47938	0.7242	0.77277	0.55713	0.8374	0.9936	1.05801	0.65572
0.60219	0.5482	0.85141	0.87882	0.63522	0.98494	1.13272	1.19919	0.74467
0.70395	0.64053	1.02429	1.01087	0.73751	1.18327	1.29667	1.36115	0.85654
0.83845	0.76394	1.25419	1.16836	0.86926	1.44281	1.48107	1.53953	0.99421
0.97644	0.89494	1.4808	1.29833	0.99872	1.68996	1.61102	1.65758	1.11733
1.12633	1.04358	1.69999	1.41472	1.13652	1.92044	1.71279	1.74084	1.23994
1.28876	1.21337	1.87316	1.52738	1.28662	2.08755	1.76578	1.76942	1.36232
1.60982	1.55497	2.16238	1.6922	1.57448	2.33846	1.90903	1.87783	1.60707
1.31934	1.29876	1.7421	1.39067	1.30294	1.87785	1.54273	1.53617	1.32304

1.28983	1.29491	1.64021	1.31385	1.27596	1.74627	1.43911	1.42981	1.27986
1.27912	1.30207	1.56902	1.26008	1.26646	1.64978	1.35738	1.34407	1.25597
1.2712	1.30483	1.48642	1.20703	1.25509	1.53659	1.26037	1.22923	1.22642
1.25946	1.30034	1.39174	1.15047	1.23556	1.40922	1.15007	1.1121	1.18886
1.19139	1.23207	1.27801	1.07245	1.16676	1.28011	1.04949	1.01001	1.1159
1.17348	1.23004	1.18032	0.9528	1.13894	1.13863	0.9073	0.87927	1.06232
1.11073	1.16796	1.07609	0.85566	1.06917	1.01505	0.82024	0.79536	0.98877
1.04246	1.09908	0.98421	0.77834	0.99591	0.90356	0.74379	0.72172	0.91918
0.25104	0.23352	0.30773	0.34351	0.2638	0.34601	0.40983	0.43229	0.29911
0.27641	0.25667	0.34339	0.38072	0.2906	0.38731	0.4584	0.4841	0.33069
0.30268	0.28062	0.38112	0.41847	0.31807	0.4309	0.50811	0.53691	0.36289
0.34097	0.31548	0.43668	0.47397	0.35821	0.49525	0.5812	0.61453	0.41006
0.37821	0.34954	0.49224	0.52599	0.39676	0.55928	0.6495	0.68609	0.45457
0.44145	0.40718	0.58803	0.6161	0.46266	0.67015	0.76693	0.80891	0.5309
0.49462	0.45623	0.67062	0.68395	0.51631	0.76394	0.85116	0.8933	0.58957
0.5709	0.52675	0.78969	0.77775	0.59255	0.89836	0.96353	1.0047	0.67122
0.65949	0.60986	0.92655	0.8747	0.67879	1.04975	1.07213	1.10963	0.75904
0.77072	0.71638	1.0946	0.98645	0.78553	1.23267	1.19352	1.22711	0.86484
0.85834	0.80574	1.21141	1.04907	0.86597	1.35142	1.24594	1.27278	0.93525
0.94958	0.90328	1.3191	1.10849	0.95065	1.45725	1.29434	1.31247	1.00793
0.92398	0.89432	1.23089	1.01848	0.91776	1.33735	1.1672	1.18204	0.95406
0.94764	0.93273	1.22725	1.00759	0.93982	1.31919	1.14246	1.15384	0.96452
0.96051	0.95949	1.21178	0.9966	0.95383	1.29152	1.11841	1.1235	0.96918
0.92671	0.93557	1.14574	0.94698	0.92203	1.21305	1.05584	1.05918	0.93147
0.96479	0.9809	1.15989	0.97315	0.96092	1.21909	1.04944	1.04291	0.95971
0.94259	0.96129	1.10861	0.93617	0.938	1.15712	0.9939	0.98506	0.93083
0.94344	0.96486	1.06334	0.90489	0.93405	1.09788	0.94425	0.9152	0.91458
0.93972	0.96405	1.00777	0.86769	0.92333	1.01386	0.85684	0.83741	0.8912
0.90609	0.93356	0.94073	0.81962	0.88835	0.93907	0.79356	0.7351	0.84853
0.86616	0.89523	0.878	0.77045	0.8478	0.86183	0.7199	0.67289	0.80001
0.22079	0.20687	0.26742	0.29285	0.2305	0.29794	0.34436	0.36108	0.25773
0.24301	0.2273	0.29774	0.32382	0.25367	0.33258	0.38366	0.40266	0.28441
0.26625	0.24871	0.32996	0.35565	0.27773	0.36932	0.42433	0.44554	0.31198
0.2929	0.27335	0.36747	0.39191	0.30529	0.4121	0.4706	0.4941	0.34342
0.32094	0.29944	0.40763	0.42914	0.33413	0.45774	0.51761	0.54283	0.37581
0.36378	0.33914	0.46938	0.48618	0.37821	0.52796	0.58874	0.61618	0.42516
0.4126	0.38456	0.54044	0.54763	0.42762	0.60795	0.66313	0.69141	0.4789
0.47154	0.43979	0.62647	0.61692	0.48625	0.70362	0.74419	0.77216	0.54077
0.54629	0.51063	0.73508	0.70004	0.55977	0.8232	0.8385	0.86537	0.6166
0.61156	0.5747	0.82485	0.75903	0.62168	0.91798	0.89817	0.92176	0.67554
0.6616	0.62713	0.8846	0.7892	0.66703	0.97575	0.92008	0.93935	0.71343
0.69095	0.66249	0.90643	0.78949	0.69159	0.98899	0.90671	0.92186	0.7279
0.72814	0.70711	0.9374	0.80244	0.72567	1.01291	0.912	0.925	0.754
0.74454	0.7327	0.93842	0.79636	0.74072	1.00482	0.89729	0.90844	0.76155
0.73267	0.72977	0.90433	0.76632	0.72909	0.96063	0.85847	0.86805	0.7439
0.71418	0.71756	0.86849	0.73792	0.71177	0.91781	0.82359	0.83181	0.72304
0.73625	0.74384	0.88734	0.75549	0.73485	0.93518	0.83561	0.84105	0.7432

0.72864	0.73796	0.86689	0.74294	0.72738	0.91049	0.81402	0.81569	0.73281
0.73378	0.74434	0.85696	0.74112	0.73179	0.89538	0.79672	0.79445	0.73268
0.76872	0.78285	0.85807	0.74669	0.76274	0.88088	0.7778	0.75762	0.75032
0.7631	0.77871	0.81848	0.71897	0.75244	0.82994	0.71477	0.70715	0.73144
0.72274	0.73748	0.76845	0.67873	0.71261	0.7734	0.6788	0.6598	0.69324
0.93009	0.85186	1.00762	1.35604	1.01026	1.13793	1.45481	1.5187	1.15963
1.06288	0.96919	1.14943	1.58003	1.16259	1.30617	1.68062	1.75179	1.34196
1.22404	1.11131	1.31852	1.85025	1.34803	1.50637	1.9401	2.01475	1.56135
1.42005	1.28426	1.51902	2.16911	1.57285	1.74103	2.22444	2.29415	1.82067
1.65809	1.49513	1.75381	2.52921	1.84168	2.00788	2.51135	2.56202	2.11688
1.94277	1.75015	2.0195	2.89825	2.15133	2.29082	2.75538	2.76893	2.43216
2.27235	2.05197	2.30349	3.21506	2.48567	2.55635	2.90061	2.86314	2.733
2.63454	2.39676	2.58278	3.40696	2.81581	2.75938	2.91076	2.82228	2.98136
2.99076	2.76043	2.81351	3.40817	3.09381	2.8461	2.77839	2.65454	3.13684
3.27775	3.09512	2.9464	3.21793	3.27301	2.79208	2.54295	2.4059	3.18032
3.42054	3.33149	2.94372	2.8964	3.31911	2.61436	2.25888	2.12648	3.10975
3.37538	3.40903	2.80483	2.52688	3.22491	2.36317	1.97294	1.85472	2.9395
3.1543	3.30392	2.56225	2.16792	3.00616	2.08723	1.70994	1.60897	2.69064
2.82657	3.05312	2.27228	1.85248	2.70817	1.82391	1.48236	1.39791	2.39947
2.45423	2.70845	1.97196	1.58111	2.36897	1.58263	1.28568	1.21593	2.09093
2.10179	2.34775	1.69906	1.35787	2.04171	1.37529	1.12161	1.06402	1.80284
1.79302	2.01232	1.46372	1.175	1.74946	1.19987	0.98482	0.93711	1.54949
1.53209	1.71896	1.26516	1.02421	1.49892	1.05169	0.86988	0.83016	1.33358
0.98999	0.90082	1.09044	1.50143	1.08597	1.24917	1.64859	1.73661	1.27039
1.14464	1.03527	1.26205	1.78922	1.26876	1.46048	1.9551	2.06006	1.50002
1.33793	1.2024	1.47414	2.15671	1.50028	1.72415	2.33106	2.45103	1.79076
1.58279	1.41333	1.73691	2.62137	1.7956	2.05136	2.77467	2.89914	2.15601
1.89409	1.68144	2.0605	3.19073	2.1703	2.44975	3.2591	3.36287	2.60191
2.28852	2.0226	2.4506	3.83335	2.63265	2.90895	3.70676	3.74869	3.1101
2.78265	2.45609	2.90383	4.45082	3.1733	3.3858	3.99996	3.94176	3.62777
3.37543	2.99308	3.38737	4.85545	3.74073	3.77868	4.02386	3.86276	4.0635
4.01727	3.61337	3.82081	4.86314	4.23822	3.95273	3.76321	3.54122	4.33065
4.5866	4.23949	4.09423	4.47561	4.57044	3.84387	3.32948	3.09884	4.40321
4.88753	4.70914	4.10126	3.85464	4.65766	3.49489	2.84245	2.63629	4.27863
4.78659	4.85691	3.83153	3.20004	4.47815	3.03415	2.38782	2.2172	3.98073
4.3452	4.64461	3.38743	2.63311	4.0851	2.58087	2.00654	1.86956	3.56281
3.72869	4.15265	2.8844	2.17402	3.55797	2.18083	1.69599	1.58706	3.07796
3.09184	3.52803	2.40475	1.80631	2.99088	1.84007	1.44162	1.35518	2.58627
2.5407	2.92696	2.00132	1.51901	2.47921	1.56279	1.23743	1.16832	2.15256
2.09323	2.41088	1.67498	1.29188	2.05158	1.33722	1.07156	1.01581	1.79264
1.73606	1.98814	1.41205	1.10852	1.70451	1.15135	0.93418	0.88886	1.50037
1.01338	0.90787	1.16632	1.64275	1.13137	1.35834	1.85373	1.97302	1.36108
1.2151	1.07769	1.37026	2.00315	1.35515	1.61802	2.26306	2.41624	1.65357
1.44579	1.28675	1.6345	2.4909	1.65183	1.95791	2.80276	2.99596	2.04125
1.74348	1.53714	1.97322	3.15917	2.03298	2.40827	3.50363	3.73214	2.55565
2.1416	1.86962	2.41659	4.07273	2.55413	3.00761	4.36846	4.5961	3.24769
2.68291	2.31963	2.99864	5.27138	3.26732	3.79151	5.30064	5.43202	4.13752

3.42563	2.9393	3.74671	6.62574	4.20042	4.72877	5.99544	5.89977	5.13568
4.42662	3.79168	4.64348	7.64155	5.2739	5.6051	6.05805	5.71381	5.9925
5.66742	4.90837	5.54335	7.65019	6.24638	6.00303	5.43586	4.98719	6.46331
6.92698	6.19125	6.16617	6.67466	6.89301	5.70828	4.5241	4.1097	6.54759
7.65047	7.23986	6.19601	5.31704	7.05343	4.90655	3.63282	3.30417	6.29299
7.4301	7.60385	5.63605	4.12279	6.72463	4.01501	2.91149	2.66384	5.77663
6.39248	7.08793	4.7125	3.2101	5.93538	3.23512	2.35549	2.17087	5.00859
5.08843	5.96449	3.75124	2.54029	4.88435	2.61309	1.93131	1.79276	4.10744
3.9463	4.73341	2.95671	2.05167	3.86563	2.13531	1.60796	1.50238	3.2676
3.0758	3.69131	2.35686	1.68919	3.0365	1.76912	1.35806	1.27624	2.5904
2.44675	2.90813	1.91858	1.41817	2.41912	1.48999	1.1646	1.09994	2.08495
1.97515	2.31575	1.58252	1.20311	1.95077	1.26508	1.00605	0.95441	1.69874
0.95618	0.84666	1.17941	1.76457	1.11603	1.45649	2.05158	2.20813	1.3999
1.16564	1.01969	1.43275	2.19717	1.377	1.76515	2.58095	2.79808	1.75551
1.48926	1.29399	1.77804	2.81829	1.75018	2.18858	3.33654	3.64145	2.26546
1.88659	1.64385	2.21282	3.74328	2.26117	2.78828	4.43289	4.85611	3.0012
2.37372	2.03858	2.80453	5.17765	2.96596	3.66978	6.0289	6.56576	4.08699
3.08425	2.60547	3.65355	7.44634	4.06372	5.00756	8.16258	8.62076	5.75804
4.16245	3.45668	4.89346	10.77862	5.78783	7.00155	10.19002	10.03197	8.04182
5.85406	4.79355	6.67195	14.09147	8.16549	9.40256	10.42769	9.47477	10.12006
8.46006	6.92865	8.89138	14.22056	10.44239	10.67411	8.59907	7.53459	11.02977
11.78351	9.98166	10.63978	10.99726	11.80614	9.59239	6.40244	5.61164	10.94121
14.06843	12.90097	10.80853	7.64005	12.16219	7.38451	4.71488	4.18438	10.39229
13.36711	13.92269	9.36847	5.3553	11.49547	5.4643	3.55351	3.19783	9.4389
10.32928	12.36285	7.07092	3.90443	9.65884	4.09237	2.75581	2.51097	7.827
7.22073	9.28531	5.02634	2.95501	7.18695	3.13565	2.19066	2.01713	5.85181
5.08972	6.57648	3.66253	2.32007	5.14823	2.47442	1.78701	1.65977	4.24874
3.72863	4.71395	2.77858	1.87355	3.75935	2.00064	1.48759	1.39167	3.15099
2.82427	3.47466	2.17217	1.54009	2.82696	1.64239	1.25355	1.17992	2.40532
2.22446	2.67199	1.75737	1.29536	2.21339	1.37881	1.07578	1.01778	1.90826
0.91132	0.80409	1.17296	1.76702	1.05986	1.45064	2.21827	2.41202	1.3883
1.10792	0.96877	1.43739	2.31519	1.33628	1.8378	2.86478	3.15301	1.78554
1.41793	1.2222	1.83892	3.07881	1.75755	2.3849	3.8591	4.31155	2.40939
1.90042	1.59917	2.39388	4.2558	2.36054	3.13227	5.48342	6.23561	3.36548
2.51503	2.10715	3.16984	6.31746	3.28496	4.33535	8.33572	9.62403	5.01721
3.41402	2.80798	4.35202	10.36802	4.89821	6.48256	13.62826	15.57038	8.31172
4.85406	3.89987	6.33358	19.32621	8.28803	10.92107	22.0655	22.15072	15.64224
7.52283	5.83422	9.97762	35.69544	15.69406	20.14887	23.58394	19.22872	24.05824
13.12398	9.88955	16.87963	36.69955	23.11149	26.61609	15.20212	12.22199	25.53917
24.68794	19.33538	24.36952	20.53686	26.2904	20.15059	9.33187	7.7916	23.32462
35.51459	31.32272	25.15447	11.23201	27.14971	12.00781	6.13427	5.29442	21.78336
32.28523	35.07264	20.55588	6.92292	25.9531	7.57972	4.31066	3.81391	20.17977
19.22795	28.32216	12.10301	4.6967	20.17156	5.17337	3.19688	2.88097	15.60015
10.59194	16.26895	6.92433	3.41046	11.80021	3.75177	2.4717	2.25872	9.2834
6.55116	9.38713	4.52554	2.6009	7.0268	2.84918	1.97391	1.82346	5.66612
4.46028	5.98339	3.23609	2.05515	4.62856	2.23935	1.61552	1.50532	3.81701
3.24926	4.14762	2.45365	1.66968	3.30182	1.80938	1.34918	1.26602	2.7755

2.48544	3.0582	1.93836	1.38742	2.49335	1.4957	1.14618	1.08179	2.12996
0.83184	0.72864	1.10984	1.60195	0.97387	1.37383	2.10512	2.36089	1.28763
1.051	0.91136	1.40699	2.14017	1.24993	1.77967	2.90288	3.40724	1.71305
1.33232	1.14475	1.82157	3.11675	1.64899	2.38684	4.23977	4.83226	2.37809
1.70064	1.43879	2.38165	4.46283	2.22804	3.27096	6.33915	7.47618	3.44028
2.23453	1.84988	3.23741	6.97355	3.16976	4.7343	10.6693	13.28964	5.5036
14.92509	30.95871	9.07911	3.82748	21.0342	4.39563	2.74739	2.49662	16.11065
8.02729	12.91187	5.33797	2.84487	9.26756	3.21315	2.14786	1.97641	7.34486
5.1658	7.34283	3.66666	2.22168	5.52696	2.4792	1.74121	1.61776	4.50114
3.63807	4.80042	2.71023	1.78547	3.75036	1.97133	1.44028	1.34854	3.12326
2.7192	3.41623	2.10172	1.46908	2.7477	1.60722	1.21248	1.14241	2.33057
0.75588	0.66376	1.02622	1.48854	0.88812	1.28345	1.95963	2.19481	1.18016
0.95653	0.8289	1.33214	1.98068	1.14397	1.68446	2.72136	3.15425	1.58432
1.17891	1.00724	1.6842	2.64861	1.44939	2.18902	3.9045	4.60352	2.118
1.51674	1.27243	2.23681	3.79241	1.93409	2.9983	6.13046	7.40896	3.07587
2.10336	1.73708	3.24754	6.39287	2.85516	4.57357	11.48727	14.9029	5.224
14.91089	36.40127	8.90958	4.01423	22.44288	4.87535	2.94929	2.67757	17.45823
8.38695	14.179	5.56445	2.98663	9.90763	3.51539	2.29158	2.10698	7.85055
5.40781	7.86338	3.84343	2.31447	5.83982	2.66136	1.83542	1.70421	4.74628
3.81044	5.09829	2.84567	1.85602	3.9468	2.09784	1.51069	1.41372	3.27915
2.84414	3.60783	2.20405	1.52428	2.88144	1.69925	1.26687	1.19313	2.43838
0.67254	0.59331	0.92347	1.2785	0.77851	1.14201	1.73952	1.95537	1.03246
0.82735	0.72109	1.16968	1.68927	0.97899	1.47607	2.38152	2.72182	1.34993
1.00932	0.86809	1.47733	2.23089	1.22487	1.90529	3.31722	3.86978	1.7747
1.29728	1.09675	1.98457	3.17034	1.62997	2.63052	5.05098	6.11328	2.52419
1.76267	1.45741	2.87045	4.78241	2.2952	3.90262	8.72854	11.38559	3.97263
5.90033	4.40034	15.28231	22.30479	8.4735	21.29633	65.57327	49.27494	17.4259
9.07825	6.40391	50.08432	23.53632	10.85271	64.93085	27.99696	22.22736	13.08478
15.69872	24.1467	10.55844	5.24119	16.97825	7.40304	4.0011	3.60412	13.1783
10.48314	17.61387	7.19594	3.842	12.13387	5.01424	3.00672	2.74569	9.60034
7.04084	10.6893	5.03926	2.92213	7.72227	3.61822	2.3405	2.16028	6.23187
4.9448	6.887	3.68416	2.29881	5.19726	2.74594	1.87976	1.75003	4.27535
3.63624	4.76705	2.80177	1.85675	3.72235	2.16033	1.54567	1.44916	3.11662
2.78146	3.4919	2.20366	1.53347	2.80195	1.74918	1.29647	1.22266	2.38296
0.59835	0.53086	0.81671	1.08694	0.6812	0.9962	1.469	1.64653	0.88586
0.70378	0.61835	0.98908	1.34524	0.81249	1.22363	1.89041	2.14935	1.09027
0.88701	0.76901	1.30618	1.82387	1.0458	1.64824	2.71678	3.14012	1.46948
1.08422	0.92711	1.67501	2.38864	1.3032	2.15022	3.80843	4.49569	1.92641
1.46199	1.22642	2.41681	3.54673	1.80692	3.17206	6.09452	7.32892	2.84347
1.9466	1.59939	3.52338	5.03724	2.44573	4.6742	9.64374	11.69548	4.1071
2.69229	2.15881	5.66341	7.05308	3.35175	7.46213	15.15871	17.18633	5.81622
3.89298	3.04832	10.53192	9.21123	4.56642	13.49284	17.38211	17.15005	6.92435
5.69653	4.41077	27.9036	10.74235	6.09373	34.21317	14.03859	12.65802	7.34398
7.76347	6.07082	33.7953	9.36108	7.1382	37.10096	9.77673	8.74312	7.27493
9.86765	8.22839	17.5879	7.37603	8.08336	19.34041	6.8342	6.14734	7.39384
9.97799	9.88246	10.86354	5.643	8.48391	10.40013	4.934	4.47942	7.28419
8.72067	10.44084	7.71557	4.32498	8.24233	6.68319	3.69241	3.38313	6.85164

6.88716	8.98765	5.67972	3.36584	6.90522	4.68517	2.85412	2.63685	5.71621
5.29854	6.95889	4.28224	2.67079	5.37629	3.47401	2.26874	2.11139	4.47981
4.08714	5.25619	3.30492	2.16088	4.12932	2.68179	1.84611	1.72898	3.47594
3.19758	4.00288	2.60904	1.78011	3.20614	2.13516	1.53211	1.4428	2.72928
2.54815	3.10983	2.1043	1.49057	2.53759	1.74262	1.29318	1.22361	2.18426
0.52584	0.46958	0.70711	0.90625	0.58808	0.84955	1.20365	1.33356	0.74506
0.62867	0.5563	0.87369	1.13159	0.71045	1.06272	1.5595	1.7475	0.9241
0.7597	0.66546	1.09913	1.43262	0.86798	1.35389	2.06335	2.34	1.16356
0.92491	0.8012	1.40592	1.82623	1.06743	1.75201	2.76804	3.17363	1.47828
1.11606	0.95581	1.79916	2.28129	1.29469	2.25922	3.64475	4.19418	1.84442
1.51983	1.28079	2.70049	3.25602	1.77691	3.42423	5.46323	6.18725	2.59954
1.99457	1.6579	3.97276	4.24135	2.30267	5.01398	6.99457	7.53751	3.28455
2.66886	2.19465	6.2771	5.07885	2.94151	7.74952	7.73617	7.94225	3.86959
3.62304	2.97943	10.27306	5.57988	3.68201	12.23932	7.5548	7.33683	4.33717
4.56021	3.86892	12.36231	5.76786	4.37207	14.27362	6.39824	5.98638	4.57299
5.32067	4.78044	9.69711	4.99897	4.84763	10.76133	5.05369	4.70372	4.6744
5.83816	5.7061	7.38015	4.15762	5.20027	7.46367	3.98088	3.7053	4.70965
5.2047	5.47641	5.57103	3.41444	4.76507	5.37244	3.16476	2.95418	4.2195
4.58804	5.2224	4.43375	2.8112	4.3585	4.02758	2.55321	2.39187	3.79112
3.91041	4.61923	3.54082	2.32852	3.78792	3.11986	2.09194	1.96745	3.27482
3.25261	3.9091	2.86127	1.94621	3.20368	2.48214	1.7397	1.64248	2.76929
2.68447	3.20057	2.33808	1.64357	2.64591	2.01968	1.46749	1.39061	2.29992
2.23135	2.63142	1.93746	1.40221	2.19757	1.67413	1.25326	1.19164	1.92249
0.46318	0.41666	0.61292	0.75643	0.5091	0.72531	0.98427	1.07695	0.62794
0.54502	0.48674	0.7428	0.91684	0.60249	0.88692	1.22796	1.3532	0.75656
0.64544	0.57207	0.91123	1.11725	0.71706	1.0973	1.54541	1.71399	0.91732
0.77275	0.67956	1.13981	1.37314	0.86167	1.38299	1.96587	2.18899	1.12242
0.95992	0.83679	1.50465	1.75083	1.07347	1.83881	2.59616	2.88859	1.42246
1.16692	1.00987	1.95726	2.13193	1.29786	2.39425	3.21593	3.53149	1.72082
1.47985	1.27177	2.70787	2.64848	1.62426	3.30261	3.96037	4.21374	2.11264
1.85093	1.58741	3.66815	3.08954	1.97473	4.41912	4.33814	4.45477	2.43925
2.38532	2.05754	4.97635	3.46255	2.43503	5.78368	4.43496	4.46391	2.79293
2.91477	2.56797	5.70074	3.5054	2.82169	6.48448	4.23013	4.12073	3.02126
3.40062	3.15647	5.51487	3.57196	3.23363	6.12296	3.74621	3.56396	3.22186
4.12854	4.14534	5.0362	3.14921	3.79737	5.08735	3.14008	2.97692	3.50735
3.33893	3.45442	3.99347	2.70114	3.17606	4.07223	2.6218	2.48606	2.94308
3.0375	3.25232	3.32576	2.31361	2.91812	3.27538	2.20102	2.0889	2.66133
2.75716	2.99315	2.80667	1.98424	2.64809	2.677	1.86121	1.76911	2.38727
2.59682	2.98292	2.43175	1.71052	2.52856	2.20169	1.58709	1.51104	2.23811
2.22664	2.5573	2.04831	1.47952	2.17479	1.84015	1.36481	1.30223	1.92887
1.91202	2.1869	1.74017	1.28746	1.86992	1.55724	1.18375	1.13195	1.66402
0.40911	0.37103	0.53271	0.6329	0.4424	0.62101	0.80665	0.87243	0.53185
0.47512	0.42867	0.63534	0.7502	0.51541	0.74582	0.9774	1.06155	0.62712
0.54214	0.48696	0.74498	0.8677	0.5887	0.87887	1.15351	1.25546	0.7228
0.64068	0.57246	0.91394	1.04172	0.69656	1.08435	1.41586	1.5424	0.86367
0.74748	0.66507	1.10966	1.21972	0.8105	1.31991	1.68319	1.82591	1.00787
0.89535	0.79345	1.39666	1.45218	0.965	1.66218	2.01789	2.16729	1.19518

1.11696	0.98666	1.85306	1.77559	1.19113	2.20101	2.44907	2.5892	1.45463
1.33719	1.18378	2.32387	2.00818	1.39763	2.73562	2.68195	2.77793	1.65263
1.66271	1.48272	2.91828	2.31214	1.69689	3.39282	2.90441	2.92867	1.91762
1.96547	1.78543	3.28185	2.41548	1.94942	3.72733	2.85256	2.86156	2.09295
2.30196	2.1565	3.47529	2.44269	2.21599	3.82695	2.77013	2.72727	2.26637
2.21894	2.15325	3.08847	2.18955	2.1356	3.32402	2.41809	2.35912	2.12917
2.11647	2.12738	2.73777	1.99357	2.05188	2.88918	2.14387	2.08087	2.00853
2.09916	2.17114	2.4896	1.87213	2.03926	2.55724	1.90668	1.79321	1.94963
2.07058	2.19553	2.24625	1.69746	2.01366	2.2293	1.62647	1.55974	1.87025
1.9239	2.05164	1.97788	1.48706	1.85889	1.90703	1.4187	1.36149	1.70882
1.78846	1.91391	1.74901	1.31334	1.71294	1.6335	1.24361	1.19465	1.56369
1.63245	1.7972	1.54046	1.16436	1.57501	1.4133	1.09615	1.05415	1.42577

SLINE14	SLINE15	SLINE16	SLINE17
0.83131	0.46918	0.57835	0.4371
0.92	0.50422	0.65053	0.46986
1.01813	0.54205	0.7322	0.50568
1.12399	0.58238	0.83431	0.54453
1.23562	0.62523	0.94661	0.58673
1.34784	0.67	1.08274	0.63214
1.45106	0.7152	1.24932	0.6799
1.53652	0.75992	1.45486	0.72965
1.59533	0.80302	1.7107	0.78067
1.61686	0.84175	2.02977	0.83067
1.59812	0.87406	2.42509	0.87746
1.54285	0.89823	2.90177	0.91858
1.45894	0.9125	3.42852	0.95103
1.35675	0.91579	3.88037	0.9719
1.2465	0.90792	4.02839	0.97917
1.13477	0.88867	3.76065	0.97097
1.03	0.86164	3.27161	0.95041
0.93236	0.82686	2.75665	0.91749
0.84265	0.78582	2.30354	0.87444
0.76387	0.74322	1.93745	0.82745
0.6934	0.69881	1.64133	0.77702
0.63017	0.65352	1.40119	0.72485
0.91132	0.50034	0.58329	0.46246
1.02189	0.54115	0.65979	0.49986
1.14786	0.58582	0.74987	0.54121
1.28913	0.63439	0.86029	0.58687
1.44286	0.68657	0.99621	0.63698
1.60475	0.74245	1.15056	0.69215
1.75884	0.79967	1.36543	0.75114
1.89338	0.85815	1.61912	0.81456
1.98475	0.91442	1.94926	0.88024
2.01838	0.96612	2.38723	0.94652
1.9863	1.00954	2.97904	1.00993
1.90014	1.0434	3.79456	1.06814
1.77208	1.06393	4.90135	1.11548
1.62141	1.06951	6.17918	1.14723
1.4586	1.05595	6.68585	1.1554
1.30535	1.02979	5.79252	1.14417
1.16697	0.99348	4.56351	1.11525
1.04118	0.94637	3.56269	1.06816
0.92908	0.89184	2.82186	1.00808
0.83115	0.83406	2.27791	0.94147
0.74593	0.77554	1.87164	0.87259
0.6755	0.72262	1.5723	0.80975
0.99644	0.53297	0.57699	0.48845
1.13351	0.58037	0.65577	0.53093

1.29545	0.63316	0.74865	0.57858
1.48475	0.69164	0.86195	0.63199
1.70068	0.7557	1.01116	0.69163
1.93755	0.82512	1.19878	0.75808
2.17942	0.89893	1.43973	0.83157
2.39707	0.97512	1.76319	0.91181
2.5541	1.05117	2.19029	0.99815
2.6099	1.12162	2.7684	1.08729
2.55556	1.18279	3.61836	1.17631
2.40679	1.23007	4.9562	1.25981
2.19603	1.25861	7.29522	1.32966
1.96584	1.26827	12.07253	1.38011
1.726	1.2487	16.67589	1.3934
1.51065	1.21085	10.32534	1.37592
1.3249	1.15929	6.62858	1.33149
1.16179	1.09297	4.64788	1.26024
1.02273	1.01958	3.45696	1.17441
0.90524	0.94433	2.67947	1.08323
0.80637	0.87106	2.14311	0.99339
0.72248	0.80129	1.75602	0.90788
1.08405	0.56663	0.5554	0.51458
1.25221	0.62144	0.63778	0.56255
1.45881	0.68364	0.72511	0.61713
1.71146	0.75373	0.84966	0.67917
2.0174	0.83247	1.00574	0.74985
2.37616	0.91992	1.20906	0.83022
2.77074	1.01552	1.47319	0.92137
3.14882	1.11642	1.86158	1.02334
3.43434	1.21979	2.38898	1.13653
3.54504	1.32	3.12937	1.25942
3.44551	1.40956	4.25625	1.38791
3.17511	1.4809	6.21285	1.51482
2.80144	1.52176	10.34307	1.62312
2.41598	1.53072	24.6931	1.69949
2.06155	1.50534	78.45925	1.72702
1.76106	1.45282	19.5243	1.70331
1.50544	1.37241	9.5429	1.62497
1.29704	1.27892	5.99259	1.51513
1.12012	1.17159	4.16451	1.37996
0.98312	1.07529	3.11439	1.25621
0.86671	0.97883	2.42056	1.13264
0.7707	0.89062	1.94427	1.02084
1.16971	0.60062	0.52576	0.5403
1.37257	0.6636	0.61854	0.59404
1.6316	0.73635	0.70908	0.65596
1.96599	0.82035	0.81615	0.7276
2.39895	0.917	0.96232	0.81074

2.94999	1.02694	1.20226	0.90724
3.62104	1.15114	1.50654	1.01946
4.3428	1.28776	1.91934	1.14954
4.94123	1.43318	2.49387	1.29973
5.17722	1.57834	3.36729	1.46975
4.94536	1.71082	4.77065	1.6564
4.37255	1.81769	7.2303	1.85152
3.67301	1.88227	12.65082	2.0326
3.01943	1.89556	31.10472	2.16701
2.47877	1.85778	65.34714	2.22108
2.04551	1.77063	26.21872	2.17103
1.70941	1.65321	12.18368	2.04015
1.44342	1.51471	7.25419	1.8569
1.23202	1.36981	4.87076	1.65745
1.06439	1.23168	3.52351	1.46829
0.92896	1.10396	2.68036	1.29712
0.82007	0.99194	2.12005	1.15041
1.24752	0.63398	0.48825	0.55729
1.48599	0.70585	0.57621	0.62473
1.80162	0.7903	0.64081	0.68987
2.23154	0.88998	0.74298	0.77346
2.83241	1.00773	0.92643	0.87273
3.68156	1.1462	1.18998	0.98755
4.87462	1.3088	1.48697	1.12485
6.41235	1.49652	1.88322	1.28986
7.89074	1.70482	2.49167	1.4878
8.51443	1.92348	3.41583	1.72458
7.89661	2.13306	4.91013	2.0037
6.45723	2.30218	7.72594	2.31664
4.98989	2.40756	13.68879	2.63944
3.83242	2.42867	32.57073	2.90493
2.99029	2.36271	67.64842	3.01655
2.3774	2.21765	28.85995	2.91053
1.93345	2.02964	13.59217	2.65182
1.60131	1.8209	8.05485	2.32948
1.34565	1.61046	5.34617	2.00842
1.14981	1.42091	3.82617	1.73063
0.99383	1.25062	2.88075	1.49236
0.87021	1.10595	2.25774	1.29744
1.27851	0.66296	0.44881	0.55688
1.5646	0.74649	0.51483	0.62191
1.93682	0.84328	0.59228	0.69902
2.47938	0.9603	0.71819	0.80334
3.27406	1.10242	0.91955	0.93405
4.5366	1.27636	1.11762	1.06874
6.67738	1.48908	1.41466	1.23415
10.40682	1.74849	1.75794	1.43981

15.32218	2.05255	2.4143	1.69726
17.56387	2.39595	3.28229	2.02448
15.2464	2.74211	4.79496	2.44009
10.53735	3.03573	7.59173	2.96187
7.02417	3.2203	13.56208	3.58466
4.90446	3.2519	32.2149	4.19425
3.60377	3.12883	68.59862	4.48697
2.75315	2.87248	29.47901	4.20863
2.17886	2.55719	13.9265	3.61624
1.76494	2.21904	8.27286	2.98573
1.46162	1.90814	5.51172	2.45726
1.23532	1.64393	3.95316	2.04533
1.05896	1.41869	2.97947	1.71828
0.91998	1.23217	2.33252	1.46127
1.1715	0.64082	0.39309	0.53691
1.46413	0.73907	0.45424	0.61009
1.93413	0.87906	0.5469	0.70873
2.53787	1.01575	0.63814	0.80903
3.59892	1.19685	0.78428	0.94616
5.29696	1.41144	0.96618	1.1097
8.77753	1.68752	1.20569	1.32624
18.40414	2.04449	1.62435	1.59213
58.692	2.50161	2.18418	1.91944
71.30699	3.06127	3.00819	2.35866
55.52446	3.67757	4.36167	2.9653
19.66287	4.23766	6.8433	3.8327
10.05256	4.59419	12.31991	5.10703
6.23938	4.65094	29.85098	6.87516
4.29658	4.39627	69.47266	8.08156
3.15126	3.88938	28.40039	6.90093
2.41943	3.29378	13.23997	5.16126
1.93063	2.7543	7.9565	3.91603
1.57801	2.28448	5.36949	3.03664
1.31883	1.90827	3.89136	2.42184
1.12288	1.6121	2.96071	1.97927
0.96915	1.37422	2.33259	1.64583
1.10875	0.63107	0.36677	0.52914
1.40807	0.74121	0.42729	0.60997
1.87732	0.89058	0.5103	0.71655
2.57472	1.06988	0.61336	0.83758
3.64857	1.27606	0.73561	0.97793
5.5503	1.53852	0.88352	1.15005
9.83911	1.88961	1.09322	1.37741
4.89704	6.72465	65.89124	28.83094
3.48422	5.55563	24.11359	13.62396
2.63979	4.43078	11.36509	7.7985
2.07308	3.46878	7.07525	5.18121

1.67735	2.74472	4.92434	3.74319
1.3919	2.21779	3.64751	2.85854
1.17721	1.82433	2.8209	2.26296
1.01086	1.52453	2.25119	1.83932
1.00443	0.6046	0.33651	0.50532
1.26226	0.70748	0.38515	0.58287
1.66947	0.85083	0.45378	0.68795
2.25256	1.03033	0.5363	0.81006
3.25535	1.27728	0.64725	0.97025
4.82199	1.57131	0.76494	1.14894
8.47068	2.03634	0.9511	1.40594
38.16895	5.46607	2.0872	2.95863
5.14795	12.09552	24.77934	59.13444
3.66198	8.80304	13.88527	25.87645
2.75165	6.10812	8.39923	11.10211
2.15769	4.4131	5.7169	6.65062
1.74198	3.30755	4.21433	4.52735
1.44094	2.57037	3.24636	3.32002
1.21518	2.05631	2.58067	2.55473
1.04178	1.68682	2.10771	2.03756
0.8906	0.56397	0.30927	0.47616
1.11001	0.66563	0.3515	0.55039
1.37041	0.77	0.39459	0.62498
1.85602	0.95426	0.46461	0.75244
2.53438	1.17145	0.54228	0.8969
3.72357	1.49705	0.65241	1.10015
5.97518	2.01627	0.80969	1.38401
9.98489	2.78732	0.99838	1.74686
16.44243	4.257	1.34518	2.32752
23.80169	7.28093	1.73129	3.09959
7.22685	41.92118	6.52262	24.57498
4.9121	35.1507	7.56128	66.91941
3.57684	15.99471	6.6854	31.23299
2.72993	8.75954	5.28833	13.59264
2.15724	5.63032	4.18576	7.88332
1.75152	3.95968	3.36257	5.2132
1.45353	2.95343	2.7426	3.72971
1.22806	2.29728	2.26888	2.81443
1.05404	1.84785	1.89908	2.21163
0.77526	0.5164	0.28267	0.43892
0.93903	0.59974	0.31656	0.50174
1.15914	0.70538	0.3567	0.57886
1.48838	0.85613	0.40888	0.68484
1.9773	1.07011	0.47444	0.8289
2.64165	1.33999	0.5477	0.99662
3.95059	1.86202	0.67603	1.3021
5.67828	2.60908	0.82423	1.67551

8.20602	4.04868	1.03345	2.23063
12.01886	7.45675	1.32272	3.07544
19.05266	22.27435	1.71208	4.4209
14.41187	50.93397	2.25477	6.83022
8.71215	57.28811	2.95556	11.88775
5.90017	62.46001	3.53735	25.74251
4.28225	68.60398	3.93606	72.6131
3.25283	26.97612	3.61083	32.75763
2.55505	11.67397	3.31944	14.6286
2.05998	6.84291	2.97318	8.53027
1.69693	4.5797	2.57281	5.62633
1.42295	3.31056	2.22554	4.00138
1.21143	2.52133	1.92324	3.00006
1.04532	1.99668	1.66207	2.34191
0.67593	0.47323	0.25894	0.40568
0.79888	0.54383	0.28653	0.45991
0.95769	0.63317	0.31877	0.52672
1.2008	0.77119	0.36349	0.62745
1.51484	0.94746	0.4144	0.75
2.04028	1.24995	0.49033	0.94988
2.67294	1.64662	0.5713	1.19551
3.7268	2.38629	0.70195	1.60916
4.75671	3.43963	0.83405	2.10666
5.94929	5.39429	1.00624	2.88595
7.23724	9.57536	1.27653	4.26427
6.95883	14.90375	1.6269	6.68023
5.6869	19.83642	2.01667	11.65132
4.43359	29.55355	2.25315	25.47859
3.48988	57.29581	2.33869	67.3029
2.79573	28.68429	2.30734	32.40186
2.28025	12.82087	2.36326	14.64248
1.88901	7.45997	2.22821	8.60747
1.58807	4.94029	1.96962	5.72127
1.35234	3.53549	1.77235	4.08835
1.16491	2.66994	1.5993	3.0735
1.01412	2.09897	1.42636	2.40141
0.57495	0.42134	0.23347	0.36379
0.66609	0.48103	0.25606	0.41044
0.79138	0.56525	0.28504	0.47542
0.95171	0.67577	0.31926	0.55867
1.16495	0.82995	0.36134	0.6719
1.47635	1.07002	0.41831	0.84209
1.86892	1.40926	0.48574	1.0698
2.31791	1.89039	0.56239	1.37427
2.91987	2.7233	0.66862	1.88364
3.50868	4.00558	0.79925	2.64284
3.99372	6.01081	0.97829	3.91806

4.15355	8.96537	1.20512	6.19708
3.7951	12.99691	1.40925	10.70725
3.15922	22.54456	1.41969	23.34532
2.73223	53.43389	1.5427	62.00068
2.3314	27.19034	1.56188	31.24083
1.97802	12.29857	1.52892	13.74858
1.68592	7.31206	1.49862	8.18424
1.44616	4.91671	1.406	5.54435
1.2542	3.55134	1.40065	3.99011
1.0959	2.70083	1.28619	3.03031
0.96488	2.13039	1.18466	2.38468
0.49292	0.37924	0.21147	0.33002
0.56631	0.43484	0.23169	0.37448
0.65593	0.50526	0.25503	0.42993
0.76131	0.59261	0.28099	0.49742
0.91803	0.7308	0.31784	0.60352
1.10481	0.91378	0.3597	0.74138
1.3399	1.17915	0.41126	0.93839
1.66164	1.60377	0.48156	1.24686
1.90863	2.10709	0.54502	1.61325
2.2883	3.04838	0.64775	2.32623
2.55517	4.35021	0.76414	3.40411
2.73291	6.30802	0.91354	5.32095
2.61225	9.29851	1.01969	8.92004
2.31124	17.37006	1.04512	19.39861
2.08796	46.85588	1.08351	53.31163
1.87749	22.95879	1.08265	26.97618
1.68787	10.51848	1.18961	11.89209
1.48678	6.50627	1.13236	7.20552
1.29976	4.52311	1.09683	4.99806
1.14342	3.35418	1.10709	3.71862
1.01368	2.59793	1.04279	2.87314
0.90336	2.07674	0.97999	2.29309
0.4151	0.33576	0.18846	0.29462
0.47272	0.38558	0.20627	0.33537
0.53884	0.44583	0.2258	0.38409
0.61524	0.52046	0.24751	0.44386
0.70096	0.61264	0.27118	0.51712
0.85813	0.78775	0.3132	0.65748
0.99364	0.97654	0.3498	0.80822
1.16846	1.26701	0.39845	1.04413
1.38795	1.719	0.46282	1.41639
1.58302	2.32534	0.5317	1.94101
1.75945	3.23633	0.61208	2.80275
1.8852	4.54533	0.70735	4.21298
2.09643	6.94102	0.89485	6.90464
1.68863	10.19569	0.78883	11.67664

1.57526	21.00165	0.80919	29.38429
1.49288	12.62613	0.83371	15.24661
1.39485	7.52581	0.85235	8.53891
1.28487	5.22746	0.86392	5.75237
1.17294	3.89453	0.83209	4.2049
1.04343	2.99848	0.85177	3.27014
0.93239	2.3859	0.82998	2.61634
0.83937	1.94691	0.79893	2.14263
0.36024	0.30673	0.17119	0.2712
0.40222	0.34783	0.18538	0.30548
0.44579	0.39386	0.1996	0.34364
0.51006	0.46377	0.22047	0.40192
0.57217	0.54038	0.24011	0.46569
0.67954	0.67618	0.27344	0.57972
0.7648	0.81477	0.30082	0.69748
0.88449	1.03551	0.34015	0.88891
1.01369	1.34638	0.38635	1.16876
1.16697	1.81557	0.44559	1.6054
1.25854	2.36369	0.49747	2.16361
1.34112	3.19813	0.55653	3.08311
1.22676	3.80731	0.56222	3.96859
1.20864	5.1155	0.59548	5.67
1.18454	6.20495	0.62387	7.23406
1.11587	5.63973	0.62252	6.48707
1.12088	4.76208	0.65943	5.30536
1.06609	3.80393	0.65527	4.12917
1.01203	3.10856	0.6639	3.3214
0.94258	2.56282	0.67003	2.72708
0.8695	2.12938	0.65714	2.26608
0.7959	1.78854	0.63892	1.91121
0.30744	0.27488	0.15279	0.24517
0.34226	0.31219	0.16582	0.27711
0.37874	0.35427	0.17907	0.31316
0.42077	0.40614	0.19417	0.3578
0.46468	0.46651	0.20983	0.41017
0.53187	0.5617	0.23396	0.49341
0.60601	0.68375	0.26093	0.60173
0.69205	0.852	0.2933	0.75426
0.79744	1.10257	0.33465	0.98874
0.87621	1.39158	0.37254	1.2751
0.91982	1.70843	0.40518	1.6133
0.92437	2.0443	0.43003	2.00815
0.94177	2.52082	0.46186	2.58626
0.93261	2.9735	0.48457	3.17753
0.89275	3.16787	0.49163	3.47459
0.85485	3.05707	0.49247	3.36824
0.87062	2.98034	0.51518	3.24896

0.84874	2.65127	0.51632	2.84766
0.83532	2.35842	0.52397	2.49096
0.82358	2.09897	0.55286	2.20394
0.77436	1.82185	0.55437	1.9116
0.72677	1.58817	0.53016	1.65455
1.27992	0.62868	0.67916	0.57153
1.48031	0.68927	0.78942	0.62573
1.71818	0.75679	0.92618	0.68692
1.99326	0.83132	1.09925	0.75589
2.29634	0.91257	1.31577	0.83347
2.59781	0.99854	1.6212	0.9196
2.84862	1.08634	2.04366	1.01385
2.99755	1.17316	2.59851	1.11588
3.00122	1.25292	3.3939	1.22231
2.86066	1.31939	4.65392	1.32784
2.61468	1.36566	6.89689	1.42344
2.32099	1.38714	11.95647	1.4982
2.02443	1.38081	35.49303	1.53971
1.75477	1.34939	23.26421	1.54193
1.51542	1.29192	10.40801	1.49861
1.3136	1.21865	6.41234	1.42239
1.14493	1.1358	4.45235	1.32503
1.00356	1.04833	3.29863	1.21713
1.42206	0.675	0.66772	0.60646
1.682	0.74692	0.76904	0.66877
2.00864	0.82896	0.8923	0.74039
2.4127	0.92157	1.08168	0.82267
2.89323	1.0249	1.34749	0.91699
3.41381	1.1375	1.71295	1.02453
3.88954	1.25744	2.18764	1.14697
4.18628	1.37962	2.84274	1.28454
4.19265	1.4954	3.83142	1.4348
3.9167	1.59559	5.47412	1.59278
3.45325	1.6659	8.6651	1.74335
2.93714	1.6961	17.01576	1.86467
2.46772	1.6869	72.21224	1.93725
2.07129	1.63875	44.6066	1.94157
1.74247	1.55314	15.2903	1.86931
1.47878	1.44592	8.37828	1.7446
1.26607	1.32662	5.43346	1.59079
1.09165	1.20211	3.84109	1.42612
1.56467	0.72259	0.62701	0.64118
1.89487	0.80733	0.73077	0.71211
2.3359	0.90622	0.86527	0.795
2.92859	1.02103	1.07683	0.89223
3.71493	1.15361	1.34925	1.0066
4.69801	1.30499	1.69107	1.14171

5.72391	1.47258	2.1815	1.30097
6.41512	1.64948	2.91281	1.48736
6.4057	1.82196	4.08568	1.7012
5.74492	1.97604	5.99639	1.94147
4.75234	2.08478	9.80606	2.18759
3.80764	2.13641	19.41186	2.40877
3.03779	2.11962	73.27305	2.54655
2.44509	2.03599	51.27332	2.54768
1.99771	1.90279	18.22082	2.41353
1.65772	1.74021	9.83104	2.19295
1.39935	1.57259	6.24078	1.94993
1.19153	1.40003	4.32325	1.70262
1.6897	0.76977	0.57142	0.65309
2.0992	0.86869	0.67384	0.74577
2.6752	0.98703	0.83155	0.84944
3.52359	1.12873	1.05842	0.96297
4.81749	1.29918	1.29414	1.10009
6.78718	1.50205	1.63223	1.26693
9.39643	1.73848	2.13281	1.47119
11.45679	2.00278	2.86306	1.7225
11.43527	2.27681	4.03226	2.03137
9.41603	2.52668	6.07794	2.40464
6.93356	2.71125	10.0898	2.83493
5.04371	2.79687	19.9133	3.2726
3.76166	2.76409	71.8393	3.57968
2.88643	2.61414	53.59454	3.57596
2.28566	2.39483	19.32806	3.28302
1.85581	2.14083	10.50418	2.85584
1.53058	1.87141	6.62659	2.4102
1.29037	1.63415	4.58886	2.0395
1.71534	0.80539	0.52436	0.66045
2.21796	0.92495	0.61683	0.75163
2.973	1.06833	0.76093	0.87391
4.10746	1.24168	0.94252	1.02871
6.11389	1.45839	1.19159	1.19354
10.15724	1.73063	1.49304	1.39561
19.12412	2.06828	1.98541	1.65264
29.09085	2.47435	2.6869	1.98506
28.77895	2.92721	3.8347	2.4219
19.0705	3.36913	5.74174	3.00602
10.78528	3.70996	9.49994	3.78807
6.76608	3.86174	19.01406	4.76861
4.64185	3.78786	69.49897	5.65031
3.39248	3.51249	53.90667	5.65768
2.59676	3.11362	19.11723	4.80061
2.05612	2.67698	10.39396	3.82944
1.67242	2.26966	6.62361	3.04709

1.39063	1.92044	4.61592	2.45927
1.62075	0.79846	0.4731	0.65251
2.16557	0.95154	0.56777	0.76123
3.04189	1.1347	0.68578	0.88781
4.40292	1.34926	0.82541	1.036
7.06806	1.62204	1.00377	1.22094
3.8955	5.01304	52.09352	11.56401
2.88664	4.18728	17.39906	7.63574
2.25088	3.43817	9.51027	5.31558
1.80608	2.78491	6.19774	3.89037
1.48391	2.26513	4.40209	2.9683
1.50439	0.78155	0.43313	0.63824
2.03735	0.94726	0.51725	0.75456
2.75395	1.12562	0.60259	0.87567
4.032	1.37524	0.71987	1.03528
6.87694	1.75652	0.91445	1.26655
4.23279	7.81791	34.85767	40.13525
3.10936	5.99934	13.3061	13.01723
2.38863	4.48328	7.89983	7.32496
1.90451	3.42851	5.37292	4.9065
1.55728	2.67688	3.96669	3.55467
1.32657	0.74296	0.39153	0.6063
1.75776	0.89886	0.45723	0.71653
2.34288	1.07453	0.52802	0.83411
3.38003	1.33928	0.6302	1.00555
5.40491	1.74711	0.77702	1.24361
27.90164	4.97801	1.71524	2.65803
48.74738	8.48515	2.14531	3.50333
6.13773	20.31776	11.30453	44.65361
4.28075	14.9707	10.92752	63.38734
3.15897	9.13488	7.97949	18.0711
2.43873	5.99844	5.69598	9.38773
1.94479	4.22646	4.31099	5.91695
1.59189	3.14605	3.36791	4.12731
1.13696	0.68329	0.35441	0.56433
1.42046	0.80377	0.39981	0.64844
1.95702	1.02251	0.47391	0.79768
2.6182	1.25127	0.54537	0.94446
3.96613	1.68437	0.67221	1.20422
5.93416	2.26412	0.81419	1.5129
9.0492	3.31609	1.00741	1.94743
13.21801	5.4852	1.29014	2.61503
25.61219	12.56406	1.72532	3.66651
48.52833	35.80381	2.28055	5.38551
14.21773	59.05742	3.13293	8.77407
8.19235	63.06458	4.15028	16.36579
5.493	63.99885	5.04165	48.3275

3.96902	42.8143	5.24145	66.41166
3.01077	14.2754	4.59965	20.28864
2.36585	7.88232	3.8665	10.63403
1.91058	5.12655	3.24271	6.64138
1.57746	3.64186	2.7132	4.56833
0.95038	0.61523	0.3178	0.51336
1.20108	0.74619	0.36344	0.60899
1.54562	0.91849	0.41778	0.72911
2.0149	1.14861	0.48129	0.88154
2.59317	1.43282	0.54849	1.05395
3.84939	2.09168	0.68527	1.42921
5.25042	3.00636	0.83078	1.8687
7.08733	4.80978	1.02831	2.5391
9.85922	9.28764	1.31476	3.62073
10.69964	18.61269	1.67459	5.38177
8.29097	26.13716	2.1375	8.79022
5.99244	31.88692	2.73682	16.79508
4.45254	52.82641	2.85763	49.3681
3.42225	58.0918	3.03841	66.0281
2.70437	17.93241	2.89584	20.8165
2.18685	9.31641	2.72165	11.04722
1.80336	5.83398	2.38448	6.94671
1.51164	4.03361	2.1373	4.78122
0.79506	0.55178	0.28543	0.46533
0.97574	0.66556	0.32301	0.55154
1.20876	0.81262	0.36666	0.65863
1.51835	1.01435	0.41914	0.79911
1.99495	1.34443	0.4929	1.01733
2.52134	1.77668	0.56959	1.28687
3.2971	2.54965	0.68223	1.72534
4.09838	3.75347	0.81433	2.34005
4.98349	5.94338	1.01179	3.38746
5.35746	9.1549	1.23915	5.10406
5.01156	13.2081	1.54781	8.42315
4.2339	19.056	2.11754	16.12873
3.43529	44.02701	1.89676	47.76756
2.81478	56.2461	1.89666	66.06045
2.33268	18.00269	1.83614	20.20549
1.94767	9.52048	2.05627	10.78473
1.64639	6.02224	1.84601	6.84087
1.40705	4.18255	1.65129	4.75775
0.66777	0.49617	0.25704	0.42254
0.80145	0.59564	0.28879	0.49984
0.9406	0.70384	0.31938	0.58093
1.15155	0.88021	0.36339	0.71201
1.38025	1.09783	0.40904	0.8675
1.69439	1.44327	0.47093	1.10795

2.15918	2.04841	0.56211	1.51515
2.56042	2.87022	0.65387	2.06574
3.04005	4.2555	0.79382	3.03241
3.24434	6.10722	0.94305	4.55323
3.29018	9.01869	1.13912	7.4875
2.87195	13.88455	1.1822	13.8462
2.52167	37.13056	1.22129	42.92817
2.2493	54.65851	1.29634	65.15706
1.96785	16.22697	1.36796	18.485
1.69741	8.79438	1.3259	9.81048
1.47195	5.699	1.27665	6.34367
1.2815	4.03848	1.27041	4.50514

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: San Bernardino
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip fo

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT
San Bernar	2025	HHDT	Aggregate	Aggregate	Diesel	27984.28	4517638	4517638
San Bernar	2025	LHDT2	Aggregate	Aggregate	Diesel	9589.89	365990.4	365990.4
San Bernar	2025	MHDT	Aggregate	Aggregate	Diesel	18129.38	820207.1	820207.1

›r STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VI

EVMT	Trips	PM10_IDLEX
0	500255.7	0.037616
0	120628.7	0.02755
0	225383.2	0.017227

MT.

9th and Vineyard

Construction Health Risk - Assumptions

Date: 5/2/2024

	3rd	0-2	2-16	>16	Units	
DBR	361	1090	631	261	L/kg	
A	1				no units	
EF	0.95890411				years	
Constant 1	0.000001				no units	
CPF	1.1				mg/kg-day-1	
ASF	10	10	3	1	no units	
Site Prep	0.00	**0.06**	0.00	0.00	years	
Grading	0.00	**0.12**	0.00	0.00	years	
Building Constructic	0.00	**0.91**	0.00	0.00	years	
Paving	0.00	**0.06**	0.00	0.00	years	
Architectural Coatin	0.00	**0.61**	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
0	0.00	0.00	0.00	0.00	years	
AT	70				years	
FAH	1	1	1	0.73	day	
Constant 2	1,000,000				no units	
Dose Constant	3.46E-04	1.05E-03	6.05E-04	2.50E-04		= DBR * A * EF * Constant1
Risk Constant	1.57E-01	1.57E-01	4.71E-02	1.15E-02		= CPF * ASF * (1/AT) * FHA

Source: OEHHA 2015

Dose = (Cair X DBR X A X EF X Constant 1)

- Cair = concentration in air ($\mu g/m^3$)
- DBR = daily breathing rate normalized to body weight (l/kg bod weight -day)
- A = Inhalation adsorption factor (unitless)
- EF = Exposure frequency (unitless), days/365 days
- Constant 1 = micrograms to milligrams conversion, liters to cubic meters conversion

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

- Dose = Daily inhalation dose (mg/kg-day)
- CPF = Inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
- ASF = Age sensitivity factor for a specified age group (unitless)
- ED = Exposure duration (in years) for a specified age group
- AT = Averaging time for lifetime cancer risk (years)
- FAH = Fraction of time spent at home (unitless)

Risk per Million = Cancer Risk X Constant 2

FAH

If school is within the 1 per million cancer bracket:		If school is not within the 1 per milliion cancer bracket:	
3rd to 2 years	1	3rd to 2 years	0.85
2 to 16	1	2 to 16	0.72
16-30	0.73	16-30	0.73

Source: OEHHA 2015

Onsite Concentrations

	Source ID	PM10 (lbs/day)	PM10 (gr/day)	PM10 (gr/sec)
Site Prep Bto2	SLINE 18	0.100	45.36	1.57E-03
Grading Bto2	SLINE 18	0.120	54.43	1.89E-03
Building Construction Bto2	SLINE 19/20/21	0.040	18.14	6.30E-04
Paving Bto2	SLINE 22	0.030	13.61	4.72E-04
AC Bto2	SLINE 19/20/21	0.005	2.27	7.87E-05

9th and Vineyard

Analyst

Construction Health Risk - Assumptions

Sources		**One way**	**Round Trip**	**Distance (mi)**
SLINE18	Grading and Site Prep			
SLINE19	Building 1			
SLINE20	Building 2			
SLINE21	Building 3			
SLINE22	Paving			
SLINE23	Haul N	775	1550	0.96312535
SLINE24	Haul S	577.5	1155	0.71768373

Receptors

Offsite Residential	1-575 (excluding school receptors below)
Schools	119;120;141;142;442;443;231;232;253;254;525;526;543;544;

Age Bins

				3rd	**0-2**	**2-14**
			Start	N/A	1/1/2025	1/1/2027
			End	N/A	12/31/2026	12/31/2041
	Start	End	Days			
Site Prep	1/1/2025	1/15/2025	15		15	
Grading	1/16/2025	2/15/2025	31		31	
Building Construction	2/16/2025	9/30/2025	227		227	
Paving	10/1/2025	10/15/2025	15		15	
Architectural Coating	7/1/2025	11/30/2025	153		153	

Source: CalEEMod output; Project Information

Meteorological Data: SCAQMD Fontana Station
Elevation 379 m

Assumptions and Constants:

250	days per year construction
453.59237	conversion from lbs to grams
8	hours per day construction
60	minutes per hour
60	seconds per minute
0.00062137	miles/meter

Lucas Carneiro

Phase Type	Start Date	End Date	Days Per Wee	Work Days per Phase
Site Preparation	7/1/2024	7/15/2024	5	11
Grading	7/16/2024	8/15/2024	5	23
Building Construction	8/16/2024	3/14/2025	5	151
Paving	3/15/2025	4/14/2025	5	21
Architectural Coating	12/14/2024	5/15/2025	5	109

9th and Vineyard
Weighted Emissions

	PM10 Exhaust Emissions (lbs/day)
Site Prep Bto2	0.1
Grading Bto2	0.12
Building Construction Bto2	0.04
Paving Bto2	0.03
AC Bto2	0.005

Source: CalEEMod Output

9th and Vineyard
- - Risk Summary

			Cancer Risk				
Receptor #	Total Per Million		Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
514	0.564	Res					
1	5.650E-03		0.00022	0.00055	0.00443	0.00007	0.00037
2	2.521E-03		0.00024	0.00060	0.00147	0.00007	0.00013
3	2.750E-03		0.00027	0.00066	0.00161	0.00008	0.00014
4	3.002E-03		0.00029	0.00072	0.00176	0.00009	0.00015
5	3.269E-03		0.00032	0.00078	0.00191	0.00009	0.00016
6	3.538E-03		0.00034	0.00085	0.00207	0.00010	0.00017
7	3.797E-03		0.00037	0.00091	0.00222	0.00011	0.00019
8	4.028E-03		0.00039	0.00097	0.00236	0.00012	0.00020
9	4.213E-03		0.00041	0.00101	0.00247	0.00012	0.00021
10	4.335E-03		0.00042	0.00104	0.00254	0.00013	0.00021
11	4.383E-03		0.00042	0.00105	0.00256	0.00013	0.00022
12	4.349E-03		0.00042	0.00104	0.00255	0.00013	0.00021
13	4.238E-03		0.00041	0.00102	0.00248	0.00012	0.00021
14	4.060E-03		0.00039	0.00097	0.00238	0.00012	0.00020
15	3.829E-03		0.00037	0.00092	0.00224	0.00011	0.00019
16	3.566E-03		0.00034	0.00085	0.00209	0.00010	0.00018
17	3.291E-03		0.00032	0.00079	0.00193	0.00010	0.00016
18	3.021E-03		0.00029	0.00072	0.00177	0.00009	0.00015
19	2.771E-03		0.00027	0.00066	0.00162	0.00008	0.00014
20	2.546E-03		0.00025	0.00061	0.00149	0.00007	0.00013
21	2.349E-03		0.00023	0.00056	0.00137	0.00007	0.00012
22	2.177E-03		0.00021	0.00052	0.00127	0.00006	0.00011
23	2.548E-03		0.00025	0.00061	0.00149	0.00007	0.00013
24	2.822E-03		0.00027	0.00068	0.00165	0.00008	0.00014
25	3.137E-03		0.00030	0.00075	0.00184	0.00009	0.00015
26	3.490E-03		0.00034	0.00084	0.00204	0.00010	0.00017
27	3.875E-03		0.00037	0.00093	0.00227	0.00011	0.00019
28	4.278E-03		0.00041	0.00103	0.00250	0.00012	0.00021
29	4.675E-03		0.00045	0.00112	0.00274	0.00014	0.00023
30	5.036E-03		0.00049	0.00121	0.00295	0.00015	0.00025
31	5.328E-03		0.00052	0.00128	0.00312	0.00015	0.00026
32	5.524E-03		0.00053	0.00132	0.00323	0.00016	0.00027
33	5.600E-03		0.00054	0.00134	0.00328	0.00016	0.00028
34	5.545E-03		0.00054	0.00133	0.00325	0.00016	0.00027
35	5.368E-03		0.00052	0.00129	0.00314	0.00016	0.00026
36	5.087E-03		0.00049	0.00122	0.00298	0.00015	0.00025
37	4.729E-03		0.00046	0.00113	0.00277	0.00014	0.00023
38	4.330E-03		0.00042	0.00104	0.00253	0.00013	0.00021
39	3.925E-03		0.00038	0.00094	0.00230	0.00011	0.00019
40	3.545E-03		0.00034	0.00085	0.00207	0.00010	0.00017
41	3.204E-03		0.00031	0.00077	0.00188	0.00009	0.00016
42	2.907E-03		0.00028	0.00070	0.00170	0.00008	0.00014
43	2.655E-03		0.00026	0.00064	0.00155	0.00008	0.00013
44	2.447E-03		0.00024	0.00059	0.00143	0.00007	0.00012
45	2.817E-03		0.00027	0.00068	0.00165	0.00008	0.00014
46	3.179E-03		0.00031	0.00076	0.00186	0.00009	0.00016
47	3.611E-03		0.00035	0.00087	0.00211	0.00010	0.00018
48	4.115E-03		0.00040	0.00099	0.00241	0.00012	0.00020
49	4.689E-03		0.00045	0.00112	0.00274	0.00014	0.00023
50	5.315E-03		0.00051	0.00127	0.00311	0.00015	0.00026
51	5.951E-03		0.00058	0.00143	0.00348	0.00017	0.00029
52	6.545E-03		0.00063	0.00157	0.00383	0.00019	0.00032
53	7.032E-03		0.00068	0.00169	0.00412	0.00020	0.00035
54	7.359E-03		0.00071	0.00176	0.00431	0.00021	0.00036
55	7.489E-03		0.00072	0.00180	0.00438	0.00022	0.00037
56	7.402E-03		0.00072	0.00177	0.00433	0.00021	0.00036
57	7.112E-03		0.00069	0.00171	0.00416	0.00021	0.00035
58	6.643E-03		0.00064	0.00159	0.00389	0.00019	0.00033
59	6.062E-03		0.00059	0.00145	0.00355	0.00018	0.00030
60	5.429E-03		0.00052	0.00130	0.00318	0.00016	0.00027
61	4.813E-03		0.00047	0.00115	0.00282	0.00014	0.00024
62	4.258E-03		0.00041	0.00102	0.00249	0.00012	0.00021
63	3.784E-03		0.00037	0.00091	0.00221	0.00011	0.00019
64	3.391E-03		0.00033	0.00081	0.00198	0.00010	0.00017
65	3.070E-03		0.00030	0.00074	0.00180	0.00009	0.00015
66	2.806E-03		0.00027	0.00067	0.00164	0.00008	0.00014
67	3.111E-03		0.00030	0.00075	0.00182	0.00009	0.00015
68	3.590E-03		0.00035	0.00086	0.00210	0.00010	0.00018
69	4.182E-03		0.00040	0.00100	0.00245	0.00012	0.00021
70	4.919E-03		0.00048	0.00118	0.00288	0.00014	0.00024
71	5.807E-03		0.00056	0.00139	0.00340	0.00017	0.00029
72	6.828E-03		0.00066	0.00164	0.00400	0.00020	0.00034
73	7.910E-03		0.00076	0.00190	0.00463	0.00023	0.00039
74	8.948E-03		0.00087	0.00215	0.00524	0.00026	0.00044
75	9.807E-03		0.00095	0.00235	0.00574	0.00028	0.00048
76	1.039E-02		0.00100	0.00249	0.00608	0.00030	0.00051

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
77	1.062E-02	0.00103	0.00255	0.00622	0.00031	0.00052
78	1.049E-02	0.00101	0.00251	0.00614	0.00030	0.00052
79	9.989E-03	0.00097	0.00239	0.00585	0.00029	0.00049
80	9.175E-03	0.00089	0.00220	0.00537	0.00027	0.00045
81	8.162E-03	0.00079	0.00196	0.00478	0.00024	0.00040
82	7.096E-03	0.00069	0.00170	0.00415	0.00021	0.00035
83	6.112E-03	0.00059	0.00147	0.00358	0.00018	0.00030
84	5.277E-03	0.00051	0.00127	0.00309	0.00015	0.00026
85	4.604E-03	0.00045	0.00110	0.00269	0.00013	0.00023
86	4.073E-03	0.00039	0.00098	0.00238	0.00012	0.00020
87	3.651E-03	0.00035	0.00088	0.00214	0.00011	0.00018
88	3.314E-03	0.00032	0.00079	0.00194	0.00010	0.00016
89	3.416E-03	0.00033	0.00082	0.00200	0.00010	0.00017
90	4.044E-03	0.00039	0.00097	0.00237	0.00012	0.00020
91	4.864E-03	0.00047	0.00117	0.00285	0.00014	0.00024
92	5.946E-03	0.00057	0.00143	0.00348	0.00017	0.00029
93	7.364E-03	0.00071	0.00177	0.00431	0.00021	0.00036
94	9.148E-03	0.00088	0.00219	0.00535	0.00027	0.00045
95	1.115E-02	0.00108	0.00267	0.00653	0.00032	0.00055
96	1.312E-02	0.00127	0.00314	0.00768	0.00038	0.00065
97	1.474E-02	0.00142	0.00353	0.00862	0.00043	0.00073
98	1.584E-02	0.00153	0.00380	0.00927	0.00046	0.00078
99	1.633E-02	0.00158	0.00392	0.00956	0.00047	0.00081
100	1.614E-02	0.00156	0.00387	0.00945	0.00047	0.00080
101	1.525E-02	0.00147	0.00366	0.00892	0.00044	0.00075
102	1.371E-02	0.00133	0.00329	0.00802	0.00040	0.00068
103	1.178E-02	0.00114	0.00282	0.00689	0.00034	0.00058
104	9.833E-03	0.00095	0.00236	0.00575	0.00029	0.00048
105	8.152E-03	0.00079	0.00195	0.00477	0.00024	0.00040
106	6.841E-03	0.00066	0.00164	0.00400	0.00020	0.00034
107	5.852E-03	0.00057	0.00140	0.00342	0.00017	0.00029
108	5.104E-03	0.00049	0.00122	0.00299	0.00015	0.00025
109	4.524E-03	0.00044	0.00108	0.00265	0.00013	0.00022
110	4.063E-03	0.00039	0.00097	0.00238	0.00012	0.00020
111	3.705E-03	0.00036	0.00089	0.00217	0.00011	0.00018
112	4.513E-03	0.00044	0.00108	0.00264	0.00013	0.00022
113	5.608E-03	0.00054	0.00134	0.00328	0.00016	0.00028
114	7.208E-03	0.00070	0.00173	0.00422	0.00021	0.00036
115	9.595E-03	0.00093	0.00230	0.00562	0.00028	0.00047
116	1.296E-02	0.00125	0.00311	0.00759	0.00038	0.00064
117	1.716E-02	0.00166	0.00411	0.01004	0.00050	0.00085
118	2.138E-02	0.00207	0.00513	0.01251	0.00062	0.00105
119	2.474E-02	0.00239	0.00593	0.01448	0.00072	0.00122
120	2.698E-02	0.00261	0.00647	0.01579	0.00078	0.00133
121	2.815E-02	0.00272	0.00675	0.01647	0.00082	0.00139
122	2.804E-02	0.00271	0.00672	0.01641	0.00081	0.00138
123	2.639E-02	0.00255	0.00633	0.01544	0.00077	0.00130
124	2.315E-02	0.00224	0.00555	0.01355	0.00067	0.00114
125	1.888E-02	0.00183	0.00453	0.01105	0.00055	0.00093
126	1.480E-02	0.00143	0.00355	0.00866	0.00043	0.00073
127	1.166E-02	0.00113	0.00280	0.00683	0.00034	0.00058
128	9.462E-03	0.00091	0.00227	0.00554	0.00027	0.00047
129	7.908E-03	0.00076	0.00190	0.00463	0.00023	0.00039
130	6.762E-03	0.00065	0.00162	0.00396	0.00020	0.00033
131	5.887E-03	0.00057	0.00141	0.00345	0.00017	0.00029
132	5.193E-03	0.00050	0.00125	0.00304	0.00015	0.00026
133	3.946E-03	0.00038	0.00095	0.00231	0.00011	0.00019
134	4.911E-03	0.00047	0.00118	0.00287	0.00014	0.00024
135	6.356E-03	0.00061	0.00152	0.00372	0.00018	0.00031
136	8.725E-03	0.00084	0.00209	0.00511	0.00025	0.00043
137	1.277E-02	0.00123	0.00306	0.00747	0.00037	0.00063
138	1.972E-02	0.00191	0.00473	0.01154	0.00057	0.00097
139	3.089E-02	0.00299	0.00741	0.01808	0.00090	0.00152
140	4.255E-02	0.00411	0.01020	0.02490	0.00123	0.00210
141	5.069E-02	0.00490	0.01215	0.02967	0.00147	0.00250
142	5.558E-02	0.00537	0.01333	0.03253	0.00161	0.00274
143	5.945E-02	0.00575	0.01425	0.03479	0.00172	0.00293
144	5.999E-02	0.00580	0.01438	0.03511	0.00174	0.00296
145	5.691E-02	0.00550	0.01365	0.03331	0.00165	0.00281
146	4.878E-02	0.00472	0.01170	0.02855	0.00141	0.00241
147	3.607E-02	0.00349	0.00865	0.02111	0.00105	0.00178
148	2.523E-02	0.00244	0.00605	0.01476	0.00073	0.00124
149	1.847E-02	0.00179	0.00443	0.01081	0.00054	0.00091
150	1.429E-02	0.00138	0.00343	0.00836	0.00041	0.00070
151	1.148E-02	0.00111	0.00275	0.00672	0.00033	0.00057
152	9.477E-03	0.00092	0.00227	0.00555	0.00027	0.00047
153	7.996E-03	0.00077	0.00192	0.00468	0.00023	0.00039

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
154	6.865E-03	0.00066	0.00165	0.00402	0.00020	0.00034
155	4.091E-03	0.00040	0.00098	0.00239	0.00012	0.00020
156	5.190E-03	0.00050	0.00124	0.00304	0.00015	0.00026
157	6.990E-03	0.00068	0.00168	0.00409	0.00020	0.00034
158	1.005E-02	0.00097	0.00241	0.00588	0.00029	0.00050
159	1.629E-02	0.00157	0.00391	0.00953	0.00047	0.00080
160	3.151E-02	0.00305	0.00755	0.01844	0.00091	0.00155
161	8.478E-02	0.00820	0.02033	0.04962	0.00246	0.00418
162	1.526E-01	0.01475	0.03659	0.08932	0.00443	0.00753
163	1.842E-01	0.01781	0.04417	0.10782	0.00534	0.00908
164	1.837E-01	0.01776	0.04405	0.10753	0.00533	0.00906
165	2.219E-01	0.02146	0.05321	0.12988	0.00644	0.01094
166	2.157E-01	0.02085	0.05172	0.12624	0.00626	0.01064
167	2.120E-01	0.02050	0.05083	0.12407	0.00615	0.01045
168	1.842E-01	0.01781	0.04417	0.10780	0.00534	0.00908
169	1.018E-01	0.00985	0.02442	0.05960	0.00295	0.00502
170	5.173E-02	0.00500	0.01240	0.03027	0.00150	0.00255
171	3.279E-02	0.00317	0.00786	0.01919	0.00095	0.00162
172	2.309E-02	0.00223	0.00554	0.01351	0.00067	0.00114
173	1.735E-02	0.00168	0.00416	0.01016	0.00050	0.00086
174	1.361E-02	0.00132	0.00326	0.00797	0.00039	0.00067
175	1.102E-02	0.00107	0.00264	0.00645	0.00032	0.00054
176	9.148E-03	0.00088	0.00219	0.00535	0.00027	0.00045
177	4.216E-03	0.00041	0.00101	0.00247	0.00012	0.00021
178	5.413E-03	0.00052	0.00130	0.00317	0.00016	0.00027
179	7.415E-03	0.00072	0.00178	0.00434	0.00022	0.00037
180	1.113E-02	0.00108	0.00267	0.00651	0.00032	0.00055
181	1.930E-02	0.00187	0.00463	0.01129	0.00056	0.00095
182	4.447E-02	0.00430	0.01066	0.02603	0.00129	0.00219
183	2.838E-01	0.02744	0.06804	0.16608	0.00823	0.01399
184	3.246E-01	0.03138	0.07782	0.18994	0.00941	0.01600
185	1.038E-01	0.01004	0.02490	0.06077	0.00301	0.00512
186	5.575E-02	0.00539	0.01337	0.03263	0.00162	0.00275
187	3.584E-02	0.00346	0.00859	0.02097	0.00104	0.00177
188	2.529E-02	0.00245	0.00606	0.01480	0.00073	0.00125
189	1.892E-02	0.00183	0.00454	0.01107	0.00055	0.00093
190	1.476E-02	0.00143	0.00354	0.00864	0.00043	0.00073
191	1.190E-02	0.00115	0.00285	0.00696	0.00035	0.00059
192	4.264E-03	0.00041	0.00102	0.00250	0.00012	0.00021
193	5.465E-03	0.00053	0.00131	0.00320	0.00016	0.00027
194	7.470E-03	0.00072	0.00179	0.00437	0.00022	0.00037
195	1.116E-02	0.00108	0.00268	0.00653	0.00032	0.00055
196	1.937E-02	0.00187	0.00464	0.01134	0.00056	0.00096
197	4.402E-02	0.00426	0.01056	0.02576	0.00128	0.00217
198	2.837E-01	0.02743	0.06801	0.16601	0.00823	0.01399
199	3.628E-01	0.03508	0.08699	0.21233	0.01052	0.01789
200	3.000E-01	0.02900	0.07193	0.17558	0.00870	0.01479
201	1.315E-01	0.01271	0.03153	0.07695	0.00381	0.00648
202	7.407E-02	0.00716	0.01776	0.04335	0.00215	0.00365
203	4.723E-02	0.00457	0.01132	0.02764	0.00137	0.00233
204	3.276E-02	0.00317	0.00786	0.01917	0.00095	0.00162
205	2.407E-02	0.00233	0.00577	0.01409	0.00070	0.00119
206	1.846E-02	0.00178	0.00443	0.01080	0.00054	0.00091
207	1.463E-02	0.00141	0.00351	0.00856	0.00042	0.00072
208	4.253E-03	0.00041	0.00102	0.00249	0.00012	0.00021
209	5.404E-03	0.00052	0.00130	0.00316	0.00016	0.00027
210	7.211E-03	0.00070	0.00173	0.00422	0.00021	0.00036
211	1.043E-02	0.00101	0.00250	0.00611	0.00030	0.00051
212	1.668E-02	0.00161	0.00400	0.00976	0.00048	0.00082
213	3.156E-02	0.00305	0.00757	0.01847	0.00092	0.00156
214	7.952E-02	0.00769	0.01907	0.04654	0.00231	0.00392
215	1.698E-01	0.01641	0.04071	0.09936	0.00492	0.00837
216	1.988E-01	0.01922	0.04766	0.11632	0.00576	0.00980
217	1.716E-01	0.01659	0.04114	0.10041	0.00498	0.00846
218	4.547E-01	0.04396	0.10902	0.26611	0.01319	0.02242
219	1.980E-01	0.01915	0.04748	0.11589	0.00574	0.00976
220	1.166E-01	0.01127	0.02796	0.06824	0.00338	0.00575
221	7.485E-02	0.00724	0.01795	0.04380	0.00217	0.00369
222	5.097E-02	0.00493	0.01222	0.02983	0.00148	0.00251
223	3.650E-02	0.00353	0.00875	0.02136	0.00106	0.00180
224	2.726E-02	0.00264	0.00654	0.01595	0.00079	0.00134
225	2.106E-02	0.00204	0.00505	0.01233	0.00061	0.00104
226	1.673E-02	0.00162	0.00401	0.00979	0.00049	0.00082
227	4.176E-03	0.00040	0.00100	0.00244	0.00012	0.00021
228	5.213E-03	0.00050	0.00125	0.00305	0.00015	0.00026
229	6.778E-03	0.00066	0.00163	0.00397	0.00020	0.00033
230	9.273E-03	0.00090	0.00222	0.00543	0.00027	0.00046

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
231	1.343E-02	0.00130	0.00322	0.00786	0.00039	0.00066
232	2.049E-02	0.00198	0.00491	0.01199	0.00059	0.00101
233	3.252E-02	0.00314	0.00780	0.01903	0.00094	0.00160
234	4.857E-02	0.00470	0.01165	0.02843	0.00141	0.00239
235	6.501E-02	0.00628	0.01559	0.03804	0.00189	0.00321
236	8.145E-02	0.00787	0.01953	0.04767	0.00236	0.00402
237	1.179E-01	0.01140	0.02827	0.06900	0.00342	0.00581
238	1.860E-01	0.01798	0.04460	0.10886	0.00540	0.00917
239	2.136E-01	0.02065	0.05120	0.12498	0.00619	0.01053
240	1.749E-01	0.01691	0.04194	0.10236	0.00507	0.00862
241	1.219E-01	0.01179	0.02924	0.07136	0.00354	0.00601
242	8.651E-02	0.00836	0.02074	0.05063	0.00251	0.00427
243	6.289E-02	0.00608	0.01508	0.03681	0.00182	0.00310
244	4.675E-02	0.00452	0.01121	0.02736	0.00136	0.00230
245	3.548E-02	0.00343	0.00851	0.02077	0.00103	0.00175
246	2.753E-02	0.00266	0.00660	0.01611	0.00080	0.00136
247	2.183E-02	0.00211	0.00523	0.01278	0.00063	0.00108
248	1.765E-02	0.00171	0.00423	0.01033	0.00051	0.00087
249	4.041E-03	0.00039	0.00097	0.00236	0.00012	0.00020
250	4.933E-03	0.00048	0.00118	0.00289	0.00014	0.00024
251	6.187E-03	0.00060	0.00148	0.00362	0.00018	0.00031
252	8.006E-03	0.00077	0.00192	0.00469	0.00023	0.00039
253	1.061E-02	0.00103	0.00254	0.00621	0.00031	0.00052
254	1.437E-02	0.00139	0.00344	0.00841	0.00042	0.00071
255	1.939E-02	0.00187	0.00465	0.01134	0.00056	0.00096
256	2.593E-02	0.00251	0.00622	0.01518	0.00075	0.00128
257	3.340E-02	0.00323	0.00801	0.01954	0.00097	0.00165
258	4.219E-02	0.00408	0.01012	0.02469	0.00122	0.00208
259	5.326E-02	0.00515	0.01277	0.03117	0.00154	0.00263
260	6.551E-02	0.00633	0.01571	0.03834	0.00190	0.00323
261	7.460E-02	0.00721	0.01789	0.04366	0.00216	0.00368
262	7.485E-02	0.00724	0.01795	0.04381	0.00217	0.00369
263	6.762E-02	0.00654	0.01621	0.03957	0.00196	0.00333
264	5.717E-02	0.00553	0.01371	0.03346	0.00166	0.00282
265	4.703E-02	0.00455	0.01128	0.02753	0.00136	0.00232
266	3.824E-02	0.00370	0.00917	0.02238	0.00111	0.00189
267	3.101E-02	0.00300	0.00743	0.01815	0.00090	0.00153
268	2.530E-02	0.00245	0.00607	0.01481	0.00073	0.00125
269	2.083E-02	0.00201	0.00499	0.01219	0.00060	0.00103
270	1.732E-02	0.00167	0.00415	0.01014	0.00050	0.00085
271	3.853E-03	0.00037	0.00092	0.00225	0.00011	0.00019
272	4.587E-03	0.00044	0.00110	0.00268	0.00013	0.00023
273	5.558E-03	0.00054	0.00133	0.00325	0.00016	0.00027
274	6.834E-03	0.00066	0.00164	0.00400	0.00020	0.00034
275	8.499E-03	0.00082	0.00204	0.00497	0.00025	0.00042
276	1.066E-02	0.00103	0.00256	0.00624	0.00031	0.00053
277	1.339E-02	0.00129	0.00321	0.00784	0.00039	0.00066
278	1.669E-02	0.00161	0.00400	0.00977	0.00048	0.00082
279	2.057E-02	0.00199	0.00493	0.01204	0.00060	0.00101
280	2.493E-02	0.00241	0.00598	0.01459	0.00072	0.00123
281	2.974E-02	0.00288	0.00713	0.01740	0.00086	0.00147
282	3.445E-02	0.00333	0.00826	0.02016	0.00100	0.00170
283	3.802E-02	0.00368	0.00912	0.02225	0.00110	0.00187
284	3.923E-02	0.00379	0.00941	0.02296	0.00114	0.00193
285	3.890E-02	0.00376	0.00933	0.02276	0.00113	0.00192
286	3.652E-02	0.00353	0.00876	0.02137	0.00106	0.00180
287	3.297E-02	0.00319	0.00790	0.01929	0.00096	0.00163
288	2.904E-02	0.00281	0.00696	0.01699	0.00084	0.00143
289	2.513E-02	0.00243	0.00603	0.01471	0.00073	0.00124
290	2.168E-02	0.00210	0.00520	0.01269	0.00063	0.00107
291	1.860E-02	0.00180	0.00446	0.01088	0.00054	0.00092
292	1.599E-02	0.00155	0.00383	0.00936	0.00046	0.00079
293	3.636E-03	0.00035	0.00087	0.00213	0.00011	0.00018
294	4.229E-03	0.00041	0.00101	0.00247	0.00012	0.00021
295	4.962E-03	0.00048	0.00119	0.00290	0.00014	0.00024
296	5.861E-03	0.00057	0.00141	0.00343	0.00017	0.00029
297	6.975E-03	0.00067	0.00167	0.00408	0.00020	0.00034
298	8.329E-03	0.00081	0.00200	0.00487	0.00024	0.00041
299	9.971E-03	0.00096	0.00239	0.00584	0.00029	0.00049
300	1.192E-02	0.00115	0.00286	0.00698	0.00035	0.00059
301	1.402E-02	0.00136	0.00336	0.00820	0.00041	0.00069
302	1.636E-02	0.00158	0.00392	0.00957	0.00047	0.00081
303	1.877E-02	0.00182	0.00450	0.01099	0.00054	0.00093
304	2.116E-02	0.00205	0.00507	0.01239	0.00061	0.00104
305	2.300E-02	0.00222	0.00552	0.01346	0.00067	0.00113
306	2.402E-02	0.00232	0.00576	0.01406	0.00070	0.00118
307	2.440E-02	0.00236	0.00585	0.01428	0.00071	0.00120

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
308	2.400E-02	0.00232	0.00575	0.01405	0.00070	0.00118
309	2.316E-02	0.00224	0.00555	0.01355	0.00067	0.00114
310	2.153E-02	0.00208	0.00516	0.01260	0.00062	0.00106
311	1.968E-02	0.00190	0.00472	0.01152	0.00057	0.00097
312	1.779E-02	0.00172	0.00427	0.01041	0.00052	0.00088
313	1.588E-02	0.00154	0.00381	0.00930	0.00046	0.00078
314	1.412E-02	0.00137	0.00339	0.00826	0.00041	0.00070
315	3.403E-03	0.00033	0.00082	0.00199	0.00010	0.00017
316	3.872E-03	0.00037	0.00093	0.00227	0.00011	0.00019
317	4.424E-03	0.00043	0.00106	0.00259	0.00013	0.00022
318	5.070E-03	0.00049	0.00122	0.00297	0.00015	0.00025
319	5.821E-03	0.00056	0.00140	0.00341	0.00017	0.00029
320	6.744E-03	0.00065	0.00162	0.00395	0.00020	0.00033
321	7.783E-03	0.00075	0.00187	0.00455	0.00023	0.00038
322	8.966E-03	0.00087	0.00215	0.00525	0.00026	0.00044
323	1.026E-02	0.00099	0.00246	0.00601	0.00030	0.00051
324	1.160E-02	0.00112	0.00278	0.00679	0.00034	0.00057
325	1.297E-02	0.00125	0.00311	0.00759	0.00038	0.00064
326	1.432E-02	0.00138	0.00343	0.00838	0.00042	0.00071
327	1.569E-02	0.00152	0.00376	0.00918	0.00046	0.00077
328	1.614E-02	0.00156	0.00387	0.00945	0.00047	0.00080
329	1.657E-02	0.00160	0.00397	0.00970	0.00048	0.00082
330	1.671E-02	0.00162	0.00401	0.00978	0.00048	0.00082
331	1.651E-02	0.00160	0.00396	0.00967	0.00048	0.00081
332	1.601E-02	0.00155	0.00384	0.00937	0.00046	0.00079
333	1.519E-02	0.00147	0.00364	0.00889	0.00044	0.00075
334	1.427E-02	0.00138	0.00342	0.00835	0.00041	0.00070
335	1.321E-02	0.00128	0.00317	0.00773	0.00038	0.00065
336	1.212E-02	0.00117	0.00291	0.00709	0.00035	0.00060
337	3.175E-03	0.00031	0.00076	0.00186	0.00009	0.00016
338	3.543E-03	0.00034	0.00085	0.00207	0.00010	0.00017
339	3.956E-03	0.00038	0.00095	0.00232	0.00011	0.00020
340	4.432E-03	0.00043	0.00106	0.00259	0.00013	0.00022
341	4.969E-03	0.00048	0.00119	0.00291	0.00014	0.00024
342	5.603E-03	0.00054	0.00134	0.00328	0.00016	0.00028
343	6.292E-03	0.00061	0.00151	0.00368	0.00018	0.00031
344	7.059E-03	0.00068	0.00169	0.00413	0.00020	0.00035
345	7.874E-03	0.00076	0.00189	0.00461	0.00023	0.00039
346	8.735E-03	0.00084	0.00209	0.00511	0.00025	0.00043
347	9.576E-03	0.00093	0.00230	0.00560	0.00028	0.00047
348	1.040E-02	0.00101	0.00249	0.00609	0.00030	0.00051
349	1.103E-02	0.00107	0.00264	0.00645	0.00032	0.00054
350	1.158E-02	0.00112	0.00278	0.00678	0.00034	0.00057
351	1.198E-02	0.00116	0.00287	0.00701	0.00035	0.00059
352	1.215E-02	0.00117	0.00291	0.00711	0.00035	0.00060
353	1.225E-02	0.00118	0.00294	0.00717	0.00036	0.00060
354	1.211E-02	0.00117	0.00290	0.00709	0.00035	0.00060
355	1.183E-02	0.00114	0.00284	0.00693	0.00034	0.00058
356	1.141E-02	0.00110	0.00274	0.00668	0.00033	0.00056
357	1.085E-02	0.00105	0.00260	0.00635	0.00031	0.00054
358	1.022E-02	0.00099	0.00245	0.00598	0.00030	0.00050
359	2.951E-03	0.00029	0.00071	0.00173	0.00009	0.00015
360	3.240E-03	0.00031	0.00078	0.00190	0.00009	0.00016
361	3.556E-03	0.00034	0.00085	0.00208	0.00010	0.00018
362	3.908E-03	0.00038	0.00094	0.00229	0.00011	0.00019
363	4.296E-03	0.00042	0.00103	0.00251	0.00012	0.00021
364	4.739E-03	0.00046	0.00114	0.00277	0.00014	0.00023
365	5.224E-03	0.00051	0.00125	0.00306	0.00015	0.00026
366	5.747E-03	0.00056	0.00138	0.00336	0.00017	0.00028
367	6.309E-03	0.00061	0.00151	0.00369	0.00018	0.00031
368	6.874E-03	0.00066	0.00165	0.00402	0.00020	0.00034
369	7.425E-03	0.00072	0.00178	0.00435	0.00022	0.00037
370	7.940E-03	0.00077	0.00190	0.00465	0.00023	0.00039
371	8.423E-03	0.00081	0.00202	0.00493	0.00024	0.00042
372	8.817E-03	0.00085	0.00211	0.00516	0.00026	0.00043
373	9.093E-03	0.00088	0.00218	0.00532	0.00026	0.00045
374	9.270E-03	0.00090	0.00222	0.00542	0.00027	0.00046
375	9.404E-03	0.00091	0.00225	0.00550	0.00027	0.00046
376	9.419E-03	0.00091	0.00226	0.00551	0.00027	0.00046
377	9.351E-03	0.00090	0.00224	0.00547	0.00027	0.00046
378	9.217E-03	0.00089	0.00221	0.00539	0.00027	0.00045
379	8.956E-03	0.00087	0.00215	0.00524	0.00026	0.00044
380	8.597E-03	0.00083	0.00206	0.00503	0.00025	0.00042
381	3.617E-03	0.00035	0.00087	0.00212	0.00010	0.00018
382	4.172E-03	0.00040	0.00100	0.00244	0.00012	0.00021
383	4.834E-03	0.00047	0.00116	0.00283	0.00014	0.00024
384	5.592E-03	0.00054	0.00134	0.00327	0.00016	0.00028

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
385	6.407E-03	0.00062	0.00154	0.00375	0.00019	0.00032
386	7.219E-03	0.00070	0.00173	0.00423	0.00021	0.00036
387	7.942E-03	0.00077	0.00190	0.00465	0.00023	0.00039
388	8.486E-03	0.00082	0.00203	0.00497	0.00025	0.00042
389	8.793E-03	0.00085	0.00211	0.00515	0.00026	0.00043
390	8.826E-03	0.00085	0.00212	0.00517	0.00026	0.00044
391	8.579E-03	0.00083	0.00206	0.00502	0.00025	0.00042
392	8.075E-03	0.00078	0.00194	0.00473	0.00023	0.00040
393	7.378E-03	0.00071	0.00177	0.00432	0.00021	0.00036
394	6.576E-03	0.00064	0.00158	0.00385	0.00019	0.00032
395	5.773E-03	0.00056	0.00138	0.00338	0.00017	0.00028
396	5.044E-03	0.00049	0.00121	0.00295	0.00015	0.00025
397	4.423E-03	0.00043	0.00106	0.00259	0.00013	0.00022
398	3.916E-03	0.00038	0.00094	0.00229	0.00011	0.00019
399	4.139E-03	0.00040	0.00099	0.00242	0.00012	0.00020
400	4.929E-03	0.00048	0.00118	0.00288	0.00014	0.00024
401	5.929E-03	0.00057	0.00142	0.00347	0.00017	0.00029
402	7.162E-03	0.00069	0.00172	0.00419	0.00021	0.00035
403	8.579E-03	0.00083	0.00206	0.00502	0.00025	0.00042
404	1.004E-02	0.00097	0.00241	0.00588	0.00029	0.00050
405	1.135E-02	0.00110	0.00272	0.00664	0.00033	0.00056
406	1.235E-02	0.00119	0.00296	0.00723	0.00036	0.00061
407	1.292E-02	0.00125	0.00310	0.00756	0.00037	0.00064
408	1.300E-02	0.00126	0.00312	0.00761	0.00038	0.00064
409	1.258E-02	0.00122	0.00302	0.00736	0.00036	0.00062
410	1.168E-02	0.00113	0.00280	0.00684	0.00034	0.00058
411	1.041E-02	0.00101	0.00250	0.00609	0.00030	0.00051
412	8.982E-03	0.00087	0.00215	0.00526	0.00026	0.00044
413	7.619E-03	0.00074	0.00183	0.00446	0.00022	0.00038
414	6.458E-03	0.00062	0.00155	0.00378	0.00019	0.00032
415	5.537E-03	0.00054	0.00133	0.00324	0.00016	0.00027
416	4.824E-03	0.00047	0.00116	0.00282	0.00014	0.00024
417	4.715E-03	0.00046	0.00113	0.00276	0.00014	0.00023
418	5.844E-03	0.00056	0.00140	0.00342	0.00017	0.00029
419	7.402E-03	0.00072	0.00177	0.00433	0.00021	0.00036
420	9.528E-03	0.00092	0.00228	0.00558	0.00028	0.00047
421	1.219E-02	0.00118	0.00292	0.00714	0.00035	0.00060
422	1.509E-02	0.00146	0.00362	0.00883	0.00044	0.00074
423	1.770E-02	0.00171	0.00424	0.01036	0.00051	0.00087
424	1.964E-02	0.00190	0.00471	0.01150	0.00057	0.00097
425	2.081E-02	0.00201	0.00499	0.01218	0.00060	0.00103
426	2.109E-02	0.00204	0.00506	0.01234	0.00061	0.00104
427	2.040E-02	0.00197	0.00489	0.01194	0.00059	0.00101
428	1.868E-02	0.00181	0.00448	0.01093	0.00054	0.00092
429	1.611E-02	0.00156	0.00386	0.00943	0.00047	0.00079
430	1.325E-02	0.00128	0.00318	0.00775	0.00038	0.00065
431	1.071E-02	0.00104	0.00257	0.00627	0.00031	0.00053
432	8.745E-03	0.00085	0.00210	0.00512	0.00025	0.00043
433	7.306E-03	0.00071	0.00175	0.00428	0.00021	0.00036
434	6.256E-03	0.00060	0.00150	0.00366	0.00018	0.00031
435	5.285E-03	0.00051	0.00127	0.00309	0.00015	0.00026
436	6.868E-03	0.00066	0.00165	0.00402	0.00020	0.00034
437	9.342E-03	0.00090	0.00224	0.00547	0.00027	0.00046
438	1.322E-02	0.00128	0.00317	0.00774	0.00038	0.00065
439	1.894E-02	0.00183	0.00454	0.01108	0.00055	0.00093
440	2.589E-02	0.00250	0.00621	0.01515	0.00075	0.00128
441	3.191E-02	0.00309	0.00765	0.01868	0.00093	0.00157
442	3.602E-02	0.00348	0.00864	0.02108	0.00104	0.00178
443	3.866E-02	0.00374	0.00927	0.02263	0.00112	0.00191
444	3.982E-02	0.00385	0.00955	0.02331	0.00116	0.00196
445	3.877E-02	0.00375	0.00929	0.02269	0.00112	0.00191
446	3.518E-02	0.00340	0.00843	0.02059	0.00102	0.00173
447	2.893E-02	0.00280	0.00694	0.01693	0.00084	0.00143
448	2.194E-02	0.00212	0.00526	0.01284	0.00064	0.00108
449	1.647E-02	0.00159	0.00395	0.00964	0.00048	0.00081
450	1.283E-02	0.00124	0.00308	0.00751	0.00037	0.00063
451	1.039E-02	0.00100	0.00249	0.00608	0.00030	0.00051
452	8.650E-03	0.00084	0.00207	0.00506	0.00025	0.00043
453	5.784E-03	0.00056	0.00139	0.00339	0.00017	0.00029
454	7.865E-03	0.00076	0.00189	0.00460	0.00023	0.00039
455	1.160E-02	0.00112	0.00278	0.00679	0.00034	0.00057
456	1.878E-02	0.00182	0.00450	0.01099	0.00054	0.00093
457	3.415E-02	0.00330	0.00819	0.01998	0.00099	0.00168
458	5.999E-02	0.00580	0.01438	0.03511	0.00174	0.00296
459	7.863E-02	0.00760	0.01885	0.04602	0.00228	0.00388
460	8.845E-02	0.00855	0.02121	0.05177	0.00257	0.00436
461	9.601E-02	0.00928	0.02302	0.05619	0.00278	0.00473

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
462	1.026E-01	0.00992	0.02459	0.06002	0.00297	0.00506
463	9.995E-02	0.00966	0.02397	0.05850	0.00290	0.00493
464	9.277E-02	0.00897	0.02224	0.05429	0.00269	0.00457
465	7.041E-02	0.00681	0.01688	0.04121	0.00204	0.00347
466	4.399E-02	0.00425	0.01055	0.02574	0.00128	0.00217
467	2.898E-02	0.00280	0.00695	0.01696	0.00084	0.00143
468	2.084E-02	0.00202	0.00500	0.01220	0.00060	0.00103
469	1.589E-02	0.00154	0.00381	0.00930	0.00046	0.00078
470	1.261E-02	0.00122	0.00302	0.00738	0.00037	0.00062
471	6.126E-03	0.00059	0.00147	0.00359	0.00018	0.00030
472	8.651E-03	0.00084	0.00207	0.00506	0.00025	0.00043
473	1.355E-02	0.00131	0.00325	0.00793	0.00039	0.00067
474	2.515E-02	0.00243	0.00603	0.01472	0.00073	0.00124
475	6.918E-02	0.00669	0.01659	0.04049	0.00201	0.00341
476	1.142E-01	0.01104	0.02737	0.06681	0.00331	0.00563
477	5.623E-02	0.00544	0.01348	0.03291	0.00163	0.00277
478	3.518E-02	0.00340	0.00844	0.02059	0.00102	0.00173
479	2.462E-02	0.00238	0.00590	0.01441	0.00071	0.00121
480	1.841E-02	0.00178	0.00441	0.01077	0.00053	0.00091
481	6.304E-03	0.00061	0.00151	0.00369	0.00018	0.00031
482	9.011E-03	0.00087	0.00216	0.00527	0.00026	0.00044
483	1.434E-02	0.00139	0.00344	0.00839	0.00042	0.00071
484	2.809E-02	0.00272	0.00674	0.01644	0.00081	0.00139
485	9.119E-02	0.00882	0.02186	0.05337	0.00264	0.00450
486	1.904E-01	0.01840	0.04564	0.11141	0.00552	0.00939
487	8.846E-02	0.00855	0.02121	0.05177	0.00257	0.00436
488	5.231E-02	0.00506	0.01254	0.03061	0.00152	0.00258
489	3.480E-02	0.00336	0.00834	0.02037	0.00101	0.00172
490	2.501E-02	0.00242	0.00600	0.01464	0.00073	0.00123
491	6.277E-03	0.00061	0.00151	0.00367	0.00018	0.00031
492	8.834E-03	0.00085	0.00212	0.00517	0.00026	0.00044
493	1.369E-02	0.00132	0.00328	0.00801	0.00040	0.00068
494	2.519E-02	0.00243	0.00604	0.01474	0.00073	0.00124
495	6.747E-02	0.00652	0.01618	0.03949	0.00196	0.00333
496	3.098E-01	0.02995	0.07427	0.18128	0.00898	0.01527
497	2.539E-01	0.02455	0.06089	0.14862	0.00737	0.01252
498	3.712E-01	0.03589	0.08901	0.21726	0.01077	0.01830
499	1.720E-01	0.01663	0.04125	0.10069	0.00499	0.00848
500	9.745E-02	0.00942	0.02337	0.05703	0.00283	0.00480
501	6.135E-02	0.00593	0.01471	0.03590	0.00178	0.00302
502	4.177E-02	0.00404	0.01001	0.02444	0.00121	0.00206
503	3.011E-02	0.00291	0.00722	0.01762	0.00087	0.00148
504	6.075E-03	0.00059	0.00146	0.00356	0.00018	0.00030
505	8.242E-03	0.00080	0.00198	0.00482	0.00024	0.00041
506	1.209E-02	0.00117	0.00290	0.00708	0.00035	0.00060
507	1.923E-02	0.00186	0.00461	0.01125	0.00056	0.00095
508	3.447E-02	0.00333	0.00826	0.02017	0.00100	0.00170
509	6.259E-02	0.00605	0.01501	0.03663	0.00182	0.00309
510	9.367E-02	0.00906	0.02246	0.05482	0.00272	0.00462
511	1.099E-01	0.01062	0.02634	0.06429	0.00319	0.00542
512	1.380E-01	0.01334	0.03308	0.08075	0.00400	0.00680
513	4.461E-01	0.04313	0.10696	0.26107	0.01294	0.02200
514	5.640E-01	0.05453	0.13523	0.33007	0.01636	0.02781
515	4.629E-01	0.04476	0.11100	0.27093	0.01343	0.02283
516	2.074E-01	0.02005	0.04972	0.12136	0.00601	0.01022
517	1.260E-01	0.01218	0.03021	0.07374	0.00365	0.00621
518	8.409E-02	0.00813	0.02016	0.04921	0.00244	0.00415
519	5.867E-02	0.00567	0.01407	0.03434	0.00170	0.00289
520	4.244E-02	0.00410	0.01018	0.02484	0.00123	0.00209
521	3.174E-02	0.00307	0.00761	0.01858	0.00092	0.00157
522	5.717E-03	0.00055	0.00137	0.00335	0.00017	0.00028
523	7.463E-03	0.00072	0.00179	0.00437	0.00022	0.00037
524	1.013E-02	0.00098	0.00243	0.00593	0.00029	0.00050
525	1.422E-02	0.00138	0.00341	0.00832	0.00041	0.00070
526	2.026E-02	0.00196	0.00486	0.01186	0.00059	0.00100
527	2.909E-02	0.00281	0.00697	0.01702	0.00084	0.00143
528	3.943E-02	0.00381	0.00945	0.02308	0.00114	0.00194
529	5.099E-02	0.00493	0.01223	0.02984	0.00148	0.00251
530	6.600E-02	0.00638	0.01583	0.03863	0.00191	0.00325
531	8.839E-02	0.00855	0.02119	0.05173	0.00256	0.00436
532	1.112E-01	0.01075	0.02667	0.06510	0.00323	0.00548
533	1.169E-01	0.01130	0.02803	0.06843	0.00339	0.00577
534	1.016E-01	0.00982	0.02436	0.05946	0.00295	0.00501
535	8.064E-02	0.00780	0.01933	0.04719	0.00234	0.00398
536	6.248E-02	0.00604	0.01498	0.03656	0.00181	0.00308
537	4.846E-02	0.00469	0.01162	0.02836	0.00141	0.00239
538	3.780E-02	0.00365	0.00906	0.02212	0.00110	0.00186

9th and Vineyard
- - Risk Summary

		Cancer Risk				
Receptor #	Total Per Million	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
539	2.987E-02	0.00289	0.00716	0.01748	0.00087	0.00147
540	5.275E-03	0.00051	0.00126	0.00309	0.00015	0.00026
541	6.584E-03	0.00064	0.00158	0.00385	0.00019	0.00032
542	8.372E-03	0.00081	0.00201	0.00490	0.00024	0.00041
543	1.078E-02	0.00104	0.00259	0.00631	0.00031	0.00053
544	1.402E-02	0.00136	0.00336	0.00820	0.00041	0.00069
545	1.806E-02	0.00175	0.00433	0.01057	0.00052	0.00089
546	2.303E-02	0.00223	0.00552	0.01348	0.00067	0.00114
547	2.876E-02	0.00278	0.00690	0.01683	0.00083	0.00142
548	3.552E-02	0.00343	0.00852	0.02079	0.00103	0.00175
549	4.271E-02	0.00413	0.01024	0.02499	0.00124	0.00211
550	4.939E-02	0.00478	0.01184	0.02891	0.00143	0.00244
551	5.428E-02	0.00525	0.01301	0.03177	0.00157	0.00268
552	5.254E-02	0.00508	0.01260	0.03075	0.00152	0.00259
553	4.845E-02	0.00468	0.01162	0.02836	0.00141	0.00239
554	4.257E-02	0.00412	0.01021	0.02491	0.00123	0.00210
555	3.666E-02	0.00354	0.00879	0.02145	0.00106	0.00181
556	3.079E-02	0.00298	0.00738	0.01802	0.00089	0.00152
557	2.577E-02	0.00249	0.00618	0.01508	0.00075	0.00127
558	4.808E-03	0.00046	0.00115	0.00281	0.00014	0.00024
559	5.771E-03	0.00056	0.00138	0.00338	0.00017	0.00028
560	6.966E-03	0.00067	0.00167	0.00408	0.00020	0.00034
561	8.485E-03	0.00082	0.00203	0.00497	0.00025	0.00042
562	1.034E-02	0.00100	0.00248	0.00605	0.00030	0.00051
563	1.263E-02	0.00122	0.00303	0.00739	0.00037	0.00062
564	1.538E-02	0.00149	0.00369	0.00900	0.00045	0.00076
565	1.834E-02	0.00177	0.00440	0.01074	0.00053	0.00090
566	2.167E-02	0.00209	0.00520	0.01268	0.00063	0.00107
567	2.498E-02	0.00242	0.00599	0.01462	0.00072	0.00123
568	2.803E-02	0.00271	0.00672	0.01641	0.00081	0.00138
569	2.975E-02	0.00288	0.00713	0.01741	0.00086	0.00147
570	3.044E-02	0.00294	0.00730	0.01782	0.00088	0.00150
571	3.010E-02	0.00291	0.00722	0.01762	0.00087	0.00148
572	2.869E-02	0.00277	0.00688	0.01679	0.00083	0.00141
573	2.635E-02	0.00255	0.00632	0.01542	0.00076	0.00130
574	2.368E-02	0.00229	0.00568	0.01386	0.00069	0.00117
575	2.102E-02	0.00203	0.00504	0.01230	0.00061	0.00104

9th and Vineyard
- - Risk Summary

				Chronic Non Cancer Risk				
Receptor #	Receptor #	Max Chronic		Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
514	514	0.003	Res					
1		0.00002		0.000005	0.000005	0.000006	0.000001	0.000001
2		0.00001		0.000005	0.000006	0.000002	0.000001	0.000000
3		0.00002		0.000005	0.000006	0.000002	0.000002	0.000000
4		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
5		0.00002		0.000006	0.000008	0.000003	0.000002	0.000000
6		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
7		0.00002		0.000007	0.000009	0.000003	0.000002	0.000000
8		0.00002		0.000008	0.000009	0.000003	0.000002	0.000000
9		0.00002		0.000008	0.000010	0.000003	0.000002	0.000000
10		0.00003		0.000009	0.000010	0.000003	0.000003	0.000000
11		0.00003		0.000009	0.000010	0.000003	0.000003	0.000000
12		0.00003		0.000009	0.000010	0.000003	0.000003	0.000000
13		0.00002		0.000008	0.000010	0.000003	0.000002	0.000000
14		0.00002		0.000008	0.000010	0.000003	0.000002	0.000000
15		0.00002		0.000008	0.000009	0.000003	0.000002	0.000000
16		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
17		0.00002		0.000006	0.000008	0.000003	0.000002	0.000000
18		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
19		0.00002		0.000005	0.000007	0.000002	0.000002	0.000000
20		0.00001		0.000005	0.000006	0.000002	0.000001	0.000000
21		0.00001		0.000005	0.000006	0.000002	0.000001	0.000000
22		0.00001		0.000004	0.000005	0.000002	0.000001	0.000000
23		0.00001		0.000005	0.000006	0.000002	0.000001	0.000000
24		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
25		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
26		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
27		0.00002		0.000008	0.000009	0.000003	0.000002	0.000000
28		0.00002		0.000008	0.000010	0.000003	0.000003	0.000000
29		0.00003		0.000009	0.000011	0.000004	0.000003	0.000000
30		0.00003		0.000010	0.000012	0.000004	0.000003	0.000000
31		0.00003		0.000010	0.000013	0.000004	0.000003	0.000001
32		0.00003		0.000011	0.000013	0.000004	0.000003	0.000001
33		0.00003		0.000011	0.000013	0.000004	0.000003	0.000001
34		0.00003		0.000011	0.000013	0.000004	0.000003	0.000001
35		0.00003		0.000011	0.000013	0.000004	0.000003	0.000001
36		0.00003		0.000010	0.000012	0.000004	0.000003	0.000000
37		0.00003		0.000009	0.000011	0.000004	0.000003	0.000000
38		0.00003		0.000008	0.000010	0.000003	0.000003	0.000000
39		0.00002		0.000008	0.000009	0.000003	0.000002	0.000000
40		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
41		0.00002		0.000006	0.000008	0.000003	0.000002	0.000000
42		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
43		0.00002		0.000005	0.000006	0.000002	0.000002	0.000000
44		0.00001		0.000005	0.000006	0.000002	0.000001	0.000000
45		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
46		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
47		0.00002		0.000007	0.000009	0.000003	0.000002	0.000000
48		0.00002		0.000008	0.000010	0.000003	0.000002	0.000000
49		0.00003		0.000009	0.000011	0.000004	0.000003	0.000000
50		0.00003		0.000010	0.000013	0.000004	0.000003	0.000001
51		0.00003		0.000012	0.000014	0.000005	0.000004	0.000001
52		0.00004		0.000013	0.000015	0.000005	0.000004	0.000001
53		0.00004		0.000014	0.000017	0.000006	0.000004	0.000001
54		0.00004		0.000014	0.000017	0.000006	0.000004	0.000001
55		0.00004		0.000015	0.000018	0.000006	0.000004	0.000001
56		0.00004		0.000015	0.000017	0.000006	0.000004	0.000001
57		0.00004		0.000014	0.000017	0.000006	0.000004	0.000001
58		0.00004		0.000013	0.000016	0.000005	0.000004	0.000001
59		0.00004		0.000012	0.000014	0.000005	0.000004	0.000001
60		0.00003		0.000011	0.000013	0.000004	0.000003	0.000001
61		0.00003		0.000009	0.000011	0.000004	0.000003	0.000000
62		0.00002		0.000008	0.000010	0.000003	0.000003	0.000000
63		0.00002		0.000007	0.000009	0.000003	0.000002	0.000000
64		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
65		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
66		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
67		0.00002		0.000006	0.000007	0.000002	0.000002	0.000000
68		0.00002		0.000007	0.000008	0.000003	0.000002	0.000000
69		0.00002		0.000008	0.000010	0.000003	0.000002	0.000000
70		0.00003		0.000010	0.000012	0.000004	0.000003	0.000000
71		0.00003		0.000011	0.000014	0.000005	0.000003	0.000001
72		0.00004		0.000013	0.000016	0.000005	0.000004	0.000001
73		0.00005		0.000016	0.000019	0.000006	0.000005	0.000001
74		0.00005		0.000018	0.000021	0.000007	0.000005	0.000001
75		0.00006		0.000019	0.000023	0.000008	0.000006	0.000001
76		0.00006		0.000020	0.000024	0.000008	0.000006	0.000001

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
77		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
78		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
79		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
80		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
81		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
82		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
83		0.00004	0.000012	0.000014	0.000005	0.000004	0.000001
84		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
85		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
86		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
87		0.00002	0.000007	0.000009	0.000003	0.000002	0.000000
88		0.00002	0.000007	0.000008	0.000003	0.000002	0.000000
89		0.00002	0.000007	0.000008	0.000003	0.000002	0.000000
90		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
91		0.00003	0.000010	0.000011	0.000004	0.000003	0.000000
92		0.00003	0.000012	0.000014	0.000005	0.000004	0.000001
93		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
94		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
95		0.00006	0.000022	0.000026	0.000009	0.000007	0.000001
96		0.00008	0.000026	0.000031	0.000010	0.000008	0.000001
97		0.00009	0.000029	0.000035	0.000012	0.000009	0.000001
98		0.00009	0.000031	0.000037	0.000012	0.000009	0.000002
99		0.00009	0.000032	0.000038	0.000013	0.000010	0.000002
100		0.00009	0.000032	0.000038	0.000013	0.000010	0.000002
101		0.00009	0.000030	0.000036	0.000012	0.000009	0.000001
102		0.00008	0.000027	0.000032	0.000011	0.000008	0.000001
103		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
104		0.00006	0.000019	0.000023	0.000008	0.000006	0.000001
105		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
106		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
107		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
108		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
109		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
110		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
111		0.00002	0.000007	0.000009	0.000003	0.000002	0.000000
112		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
113		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
114		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
115		0.00006	0.000019	0.000023	0.000008	0.000006	0.000001
116		0.00008	0.000025	0.000031	0.000010	0.000008	0.000001
117		0.00010	0.000034	0.000040	0.000013	0.000010	0.000002
118		0.00012	0.000042	0.000050	0.000017	0.000013	0.000002
119		0.00014	0.000049	0.000058	0.000019	0.000015	0.000002
120		0.00016	0.000053	0.000064	0.000021	0.000016	0.000003
121		0.00016	0.000055	0.000066	0.000022	0.000017	0.000003
122		0.00016	0.000055	0.000066	0.000022	0.000017	0.000003
123		0.00015	0.000052	0.000062	0.000021	0.000016	0.000003
124		0.00013	0.000045	0.000055	0.000018	0.000014	0.000002
125		0.00011	0.000037	0.000044	0.000015	0.000011	0.000002
126		0.00009	0.000029	0.000035	0.000012	0.000009	0.000001
127		0.00007	0.000023	0.000027	0.000009	0.000007	0.000001
128		0.00005	0.000019	0.000022	0.000007	0.000006	0.000001
129		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
130		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
131		0.00003	0.000012	0.000014	0.000005	0.000003	0.000001
132		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
133		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
134		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
135		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
136		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
137		0.00007	0.000025	0.000030	0.000010	0.000008	0.000001
138		0.00011	0.000039	0.000046	0.000015	0.000012	0.000002
139		0.00018	0.000061	0.000073	0.000024	0.000018	0.000003
140		0.00025	0.000083	0.000100	0.000033	0.000025	0.000004
141		0.00029	0.000099	0.000119	0.000040	0.000030	0.000005
142		0.00032	0.000109	0.000131	0.000044	0.000033	0.000005
143		0.00034	0.000117	0.000140	0.000047	0.000035	0.000006
144		0.00035	0.000118	0.000141	0.000047	0.000035	0.000006
145		0.00033	0.000112	0.000134	0.000045	0.000034	0.000006
146		0.00028	0.000096	0.000115	0.000038	0.000029	0.000005
147		0.00021	0.000071	0.000085	0.000028	0.000021	0.000004
148		0.00015	0.000049	0.000059	0.000020	0.000015	0.000002
149		0.00011	0.000036	0.000043	0.000014	0.000011	0.000002
150		0.00008	0.000028	0.000034	0.000011	0.000008	0.000001
151		0.00007	0.000023	0.000027	0.000009	0.000007	0.000001
152		0.00005	0.000019	0.000022	0.000007	0.000006	0.000001
153		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
154		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
155		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
156		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
157		0.00004	0.000014	0.000016	0.000005	0.000004	0.000001
158		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
159		0.00009	0.000032	0.000038	0.000013	0.000010	0.000002
160		0.00018	0.000062	0.000074	0.000025	0.000019	0.000003
161		0.00049	0.000166	0.000200	0.000067	0.000050	0.000008
162		0.00088	0.000299	0.000359	0.000120	0.000090	0.000015
163		0.00107	0.000361	0.000434	0.000145	0.000108	0.000018
164		0.00106	0.000361	0.000433	0.000144	0.000108	0.000018
165		0.00128	0.000435	0.000523	0.000174	0.000131	0.000022
166		0.00125	0.000423	0.000508	0.000169	0.000127	0.000021
167		0.00123	0.000416	0.000499	0.000166	0.000125	0.000021
168		0.00107	0.000361	0.000434	0.000145	0.000108	0.000018
169		0.00059	0.000200	0.000240	0.000080	0.000060	0.000010
170		0.00030	0.000101	0.000122	0.000041	0.000030	0.000005
171		0.00019	0.000064	0.000077	0.000026	0.000019	0.000003
172		0.00013	0.000045	0.000054	0.000018	0.000014	0.000002
173		0.00010	0.000034	0.000041	0.000014	0.000010	0.000002
174		0.00008	0.000027	0.000032	0.000011	0.000008	0.000001
175		0.00006	0.000022	0.000026	0.000009	0.000006	0.000001
176		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
177		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
178		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
179		0.00004	0.000015	0.000017	0.000006	0.000004	0.000001
180		0.00006	0.000022	0.000026	0.000009	0.000007	0.000001
181		0.00011	0.000038	0.000045	0.000015	0.000011	0.000002
182		0.00026	0.000087	0.000105	0.000035	0.000026	0.000004
183		0.00164	0.000557	0.000668	0.000223	0.000167	0.000028
184		0.00188	0.000637	0.000764	0.000255	0.000191	0.000032
185		0.00060	0.000204	0.000245	0.000082	0.000061	0.000010
186		0.00032	0.000109	0.000131	0.000044	0.000033	0.000005
187		0.00021	0.000070	0.000084	0.000028	0.000021	0.000004
188		0.00015	0.000050	0.000060	0.000020	0.000015	0.000002
189		0.00011	0.000037	0.000045	0.000015	0.000011	0.000002
190		0.00009	0.000029	0.000035	0.000012	0.000009	0.000001
191		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
192		0.00002	0.000008	0.000010	0.000003	0.000003	0.000000
193		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
194		0.00004	0.000015	0.000018	0.000006	0.000004	0.000001
195		0.00006	0.000022	0.000026	0.000009	0.000007	0.000001
196		0.00011	0.000038	0.000046	0.000015	0.000011	0.000002
197		0.00025	0.000086	0.000104	0.000035	0.000026	0.000004
198		0.00164	0.000557	0.000668	0.000223	0.000167	0.000028
199		0.00210	0.000712	0.000854	0.000285	0.000214	0.000036
200		0.00174	0.000589	0.000706	0.000235	0.000177	0.000029
201		0.00076	0.000258	0.000310	0.000103	0.000077	0.000013
202		0.00043	0.000145	0.000174	0.000058	0.000044	0.000007
203		0.00027	0.000093	0.000111	0.000037	0.000028	0.000005
204		0.00019	0.000064	0.000077	0.000026	0.000019	0.000003
205		0.00014	0.000047	0.000057	0.000019	0.000014	0.000002
206		0.00011	0.000036	0.000043	0.000014	0.000011	0.000002
207		0.00008	0.000029	0.000034	0.000011	0.000009	0.000001
208		0.00002	0.000008	0.000010	0.000003	0.000003	0.000000
209		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
210		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
211		0.00006	0.000020	0.000025	0.000008	0.000006	0.000001
212		0.00010	0.000033	0.000039	0.000013	0.000010	0.000002
213		0.00018	0.000062	0.000074	0.000025	0.000019	0.000003
214		0.00046	0.000156	0.000187	0.000062	0.000047	0.000008
215		0.00098	0.000333	0.000400	0.000133	0.000100	0.000017
216		0.00115	0.000390	0.000468	0.000156	0.000117	0.000019
217		0.00099	0.000337	0.000404	0.000135	0.000101	0.000017
218		0.00263	0.000892	0.001071	0.000357	0.000268	0.000045
219		0.00115	0.000389	0.000466	0.000155	0.000117	0.000019
220		0.00067	0.000229	0.000275	0.000092	0.000069	0.000011
221		0.00043	0.000147	0.000176	0.000059	0.000044	0.000007
222		0.00030	0.000100	0.000120	0.000040	0.000030	0.000005
223		0.00021	0.000072	0.000086	0.000029	0.000021	0.000004
224		0.00016	0.000053	0.000064	0.000021	0.000016	0.000003
225		0.00012	0.000041	0.000050	0.000017	0.000012	0.000002
226		0.00010	0.000033	0.000039	0.000013	0.000010	0.000002
227		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
228		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
229		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
230		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
231		0.00008	0.000026	0.000032	0.000011	0.000008	0.000001
232		0.00012	0.000040	0.000048	0.000016	0.000012	0.000002
233		0.00019	0.000064	0.000077	0.000026	0.000019	0.000003
234		0.00028	0.000095	0.000114	0.000038	0.000029	0.000005
235		0.00038	0.000128	0.000153	0.000051	0.000038	0.000006
236		0.00047	0.000160	0.000192	0.000064	0.000048	0.000008
237		0.00068	0.000231	0.000278	0.000093	0.000069	0.000012
238		0.00108	0.000365	0.000438	0.000146	0.000109	0.000018
239		0.00124	0.000419	0.000503	0.000168	0.000126	0.000021
240		0.00101	0.000343	0.000412	0.000137	0.000103	0.000017
241		0.00071	0.000239	0.000287	0.000096	0.000072	0.000012
242		0.00050	0.000170	0.000204	0.000068	0.000051	0.000008
243		0.00036	0.000123	0.000148	0.000049	0.000037	0.000006
244		0.00027	0.000092	0.000110	0.000037	0.000028	0.000005
245		0.00021	0.000070	0.000084	0.000028	0.000021	0.000003
246		0.00016	0.000054	0.000065	0.000022	0.000016	0.000003
247		0.00013	0.000043	0.000051	0.000017	0.000013	0.000002
248		0.00010	0.000035	0.000042	0.000014	0.000010	0.000002
249		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
250		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
251		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
252		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
253		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
254		0.00008	0.000028	0.000034	0.000011	0.000008	0.000001
255		0.00011	0.000038	0.000046	0.000015	0.000011	0.000002
256		0.00015	0.000051	0.000061	0.000020	0.000015	0.000003
257		0.00019	0.000066	0.000079	0.000026	0.000020	0.000003
258		0.00024	0.000083	0.000099	0.000033	0.000025	0.000004
259		0.00031	0.000104	0.000125	0.000042	0.000031	0.000005
260		0.00038	0.000129	0.000154	0.000051	0.000039	0.000006
261		0.00043	0.000146	0.000176	0.000059	0.000044	0.000007
262		0.00043	0.000147	0.000176	0.000059	0.000044	0.000007
263		0.00039	0.000133	0.000159	0.000053	0.000040	0.000007
264		0.00033	0.000112	0.000135	0.000045	0.000034	0.000006
265		0.00027	0.000092	0.000111	0.000037	0.000028	0.000005
266		0.00022	0.000075	0.000090	0.000030	0.000023	0.000004
267		0.00018	0.000061	0.000073	0.000024	0.000018	0.000003
268		0.00015	0.000050	0.000060	0.000020	0.000015	0.000002
269		0.00012	0.000041	0.000049	0.000016	0.000012	0.000002
270		0.00010	0.000034	0.000041	0.000014	0.000010	0.000002
271		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
272		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
273		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
274		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
275		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
276		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
277		0.00008	0.000026	0.000032	0.000011	0.000008	0.000001
278		0.00010	0.000033	0.000039	0.000013	0.000010	0.000002
279		0.00012	0.000040	0.000048	0.000016	0.000012	0.000002
280		0.00014	0.000049	0.000059	0.000020	0.000015	0.000002
281		0.00017	0.000058	0.000070	0.000023	0.000018	0.000003
282		0.00020	0.000068	0.000081	0.000027	0.000020	0.000003
283		0.00022	0.000075	0.000090	0.000030	0.000022	0.000004
284		0.00023	0.000077	0.000092	0.000031	0.000023	0.000004
285		0.00023	0.000076	0.000092	0.000031	0.000023	0.000004
286		0.00021	0.000072	0.000086	0.000029	0.000021	0.000004
287		0.00019	0.000065	0.000078	0.000026	0.000019	0.000003
288		0.00017	0.000057	0.000068	0.000023	0.000017	0.000003
289		0.00015	0.000049	0.000059	0.000020	0.000015	0.000002
290		0.00013	0.000043	0.000051	0.000017	0.000013	0.000002
291		0.00011	0.000036	0.000044	0.000015	0.000011	0.000002
292		0.00009	0.000031	0.000038	0.000013	0.000009	0.000002
293		0.00002	0.000007	0.000009	0.000003	0.000002	0.000000
294		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
295		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
296		0.00003	0.000012	0.000014	0.000005	0.000003	0.000001
297		0.00004	0.000014	0.000016	0.000005	0.000004	0.000001
298		0.00005	0.000016	0.000020	0.000007	0.000005	0.000001
299		0.00006	0.000020	0.000023	0.000008	0.000006	0.000001
300		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
301		0.00008	0.000028	0.000033	0.000011	0.000008	0.000001
302		0.00009	0.000032	0.000039	0.000013	0.000010	0.000002
303		0.00011	0.000037	0.000044	0.000015	0.000011	0.000002
304		0.00012	0.000042	0.000050	0.000017	0.000012	0.000002
305		0.00013	0.000045	0.000054	0.000018	0.000014	0.000002
306		0.00014	0.000047	0.000057	0.000019	0.000014	0.000002
307		0.00014	0.000048	0.000057	0.000019	0.000014	0.000002

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
308		0.00014	0.000047	0.000057	0.000019	0.000014	0.000002
309		0.00013	0.000045	0.000055	0.000018	0.000014	0.000002
310		0.00012	0.000042	0.000051	0.000017	0.000013	0.000002
311		0.00011	0.000039	0.000046	0.000015	0.000012	0.000002
312		0.00010	0.000035	0.000042	0.000014	0.000010	0.000002
313		0.00009	0.000031	0.000037	0.000012	0.000009	0.000002
314		0.00008	0.000028	0.000033	0.000011	0.000008	0.000001
315		0.00002	0.000007	0.000008	0.000003	0.000002	0.000000
316		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
317		0.00003	0.000009	0.000010	0.000003	0.000003	0.000000
318		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
319		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
320		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
321		0.00005	0.000015	0.000018	0.000006	0.000005	0.000001
322		0.00005	0.000018	0.000021	0.000007	0.000005	0.000001
323		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
324		0.00007	0.000023	0.000027	0.000009	0.000007	0.000001
325		0.00008	0.000025	0.000031	0.000010	0.000008	0.000001
326		0.00008	0.000028	0.000034	0.000011	0.000008	0.000001
327		0.00009	0.000031	0.000037	0.000012	0.000009	0.000002
328		0.00009	0.000032	0.000038	0.000013	0.000010	0.000002
329		0.00010	0.000033	0.000039	0.000013	0.000010	0.000002
330		0.00010	0.000033	0.000039	0.000013	0.000010	0.000002
331		0.00010	0.000032	0.000039	0.000013	0.000010	0.000002
332		0.00009	0.000031	0.000038	0.000013	0.000009	0.000002
333		0.00009	0.000030	0.000036	0.000012	0.000009	0.000001
334		0.00008	0.000028	0.000034	0.000011	0.000008	0.000001
335		0.00008	0.000026	0.000031	0.000010	0.000008	0.000001
336		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
337		0.00002	0.000006	0.000007	0.000002	0.000002	0.000000
338		0.00002	0.000007	0.000008	0.000003	0.000002	0.000000
339		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
340		0.00003	0.000009	0.000010	0.000003	0.000003	0.000000
341		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
342		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
343		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
344		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
345		0.00005	0.000015	0.000019	0.000006	0.000005	0.000001
346		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
347		0.00006	0.000019	0.000023	0.000008	0.000006	0.000001
348		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
349		0.00006	0.000022	0.000026	0.000009	0.000006	0.000001
350		0.00007	0.000023	0.000027	0.000009	0.000007	0.000001
351		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
352		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
353		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
354		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
355		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
356		0.00007	0.000022	0.000027	0.000009	0.000007	0.000001
357		0.00006	0.000021	0.000026	0.000009	0.000006	0.000001
358		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
359		0.00002	0.000006	0.000007	0.000002	0.000002	0.000000
360		0.00002	0.000006	0.000008	0.000003	0.000002	0.000000
361		0.00002	0.000007	0.000008	0.000003	0.000002	0.000000
362		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
363		0.00002	0.000008	0.000010	0.000003	0.000003	0.000000
364		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
365		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
366		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
367		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
368		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
369		0.00004	0.000015	0.000017	0.000006	0.000004	0.000001
370		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
371		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
372		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
373		0.00005	0.000018	0.000021	0.000007	0.000005	0.000001
374		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
375		0.00005	0.000018	0.000022	0.000007	0.000006	0.000001
376		0.00005	0.000018	0.000022	0.000007	0.000006	0.000001
377		0.00005	0.000018	0.000022	0.000007	0.000006	0.000001
378		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
379		0.00005	0.000018	0.000021	0.000007	0.000005	0.000001
380		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
381		0.00002	0.000007	0.000009	0.000003	0.000002	0.000000
382		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
383		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
384		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Constructi on Bto2	Paving Bto2	AC Bto2
385		0.00004	0.000013	0.000015	0.000005	0.000004	0.000001
386		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
387		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
388		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
389		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
390		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
391		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
392		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
393		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
394		0.00004	0.000013	0.000015	0.000005	0.000004	0.000001
395		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
396		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
397		0.00003	0.000009	0.000010	0.000003	0.000003	0.000000
398		0.00002	0.000008	0.000009	0.000003	0.000002	0.000000
399		0.00002	0.000008	0.000010	0.000003	0.000002	0.000000
400		0.00003	0.000010	0.000012	0.000004	0.000003	0.000000
401		0.00003	0.000012	0.000014	0.000005	0.000003	0.000001
402		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
403		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
404		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
405		0.00007	0.000022	0.000027	0.000009	0.000007	0.000001
406		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
407		0.00007	0.000025	0.000030	0.000010	0.000008	0.000001
408		0.00008	0.000026	0.000031	0.000010	0.000008	0.000001
409		0.00007	0.000025	0.000030	0.000010	0.000007	0.000001
410		0.00007	0.000023	0.000028	0.000009	0.000007	0.000001
411		0.00006	0.000020	0.000025	0.000008	0.000006	0.000001
412		0.00005	0.000018	0.000021	0.000007	0.000005	0.000001
413		0.00004	0.000015	0.000018	0.000006	0.000004	0.000001
414		0.00004	0.000013	0.000015	0.000005	0.000004	0.000001
415		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
416		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
417		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
418		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
419		0.00004	0.000015	0.000017	0.000006	0.000004	0.000001
420		0.00006	0.000019	0.000022	0.000007	0.000006	0.000001
421		0.00007	0.000024	0.000029	0.000010	0.000007	0.000001
422		0.00009	0.000030	0.000036	0.000012	0.000009	0.000001
423		0.00010	0.000035	0.000042	0.000014	0.000010	0.000002
424		0.00011	0.000039	0.000046	0.000015	0.000012	0.000002
425		0.00012	0.000041	0.000049	0.000016	0.000012	0.000002
426		0.00012	0.000041	0.000050	0.000017	0.000012	0.000002
427		0.00012	0.000040	0.000048	0.000016	0.000012	0.000002
428		0.00011	0.000037	0.000044	0.000015	0.000011	0.000002
429		0.00009	0.000032	0.000038	0.000013	0.000009	0.000002
430		0.00008	0.000026	0.000031	0.000010	0.000008	0.000001
431		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
432		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
433		0.00004	0.000014	0.000017	0.000006	0.000004	0.000001
434		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
435		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
436		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
437		0.00005	0.000018	0.000022	0.000007	0.000005	0.000001
438		0.00008	0.000026	0.000031	0.000010	0.000008	0.000001
439		0.00011	0.000037	0.000045	0.000015	0.000011	0.000002
440		0.00015	0.000051	0.000061	0.000020	0.000015	0.000003
441		0.00018	0.000063	0.000075	0.000025	0.000019	0.000003
442		0.00021	0.000071	0.000085	0.000028	0.000021	0.000004
443		0.00022	0.000076	0.000091	0.000030	0.000023	0.000004
444		0.00023	0.000078	0.000094	0.000031	0.000023	0.000004
445		0.00022	0.000076	0.000091	0.000030	0.000023	0.000004
446		0.00020	0.000069	0.000083	0.000028	0.000021	0.000003
447		0.00017	0.000057	0.000068	0.000023	0.000017	0.000003
448		0.00013	0.000043	0.000052	0.000017	0.000013	0.000002
449		0.00010	0.000032	0.000039	0.000013	0.000010	0.000002
450		0.00007	0.000025	0.000030	0.000010	0.000008	0.000001
451		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
452		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
453		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
454		0.00005	0.000015	0.000019	0.000006	0.000005	0.000001
455		0.00007	0.000023	0.000027	0.000009	0.000007	0.000001
456		0.00011	0.000037	0.000044	0.000015	0.000011	0.000002
457		0.00020	0.000067	0.000080	0.000027	0.000020	0.000003
458		0.00035	0.000118	0.000141	0.000047	0.000035	0.000006
459		0.00046	0.000154	0.000185	0.000062	0.000046	0.000008
460		0.00051	0.000174	0.000208	0.000069	0.000052	0.000009
461		0.00056	0.000188	0.000226	0.000075	0.000057	0.000009

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	Receptor #	Max Chronic	Site Prep Bto2	Grading Bto2	Building Construction Bto2	Paving Bto2	AC Bto2
462		0.00059	0.000201	0.000241	0.000080	0.000060	0.000010
463		0.00058	0.000196	0.000235	0.000078	0.000059	0.000010
464		0.00054	0.000182	0.000218	0.000073	0.000055	0.000009
465		0.00041	0.000138	0.000166	0.000055	0.000041	0.000007
466		0.00025	0.000086	0.000104	0.000035	0.000026	0.000004
467		0.00017	0.000057	0.000068	0.000023	0.000017	0.000003
468		0.00012	0.000041	0.000049	0.000016	0.000012	0.000002
469		0.00009	0.000031	0.000037	0.000012	0.000009	0.000002
470		0.00007	0.000025	0.000030	0.000010	0.000007	0.000001
471		0.00004	0.000012	0.000014	0.000005	0.000004	0.000001
472		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
473		0.00008	0.000027	0.000032	0.000011	0.000008	0.000001
474		0.00015	0.000049	0.000059	0.000020	0.000015	0.000002
475		0.00040	0.000136	0.000163	0.000054	0.000041	0.000007
476		0.00066	0.000224	0.000269	0.000090	0.000067	0.000011
477		0.00033	0.000110	0.000132	0.000044	0.000033	0.000006
478		0.00020	0.000069	0.000083	0.000028	0.000021	0.000003
479		0.00014	0.000048	0.000058	0.000019	0.000014	0.000002
480		0.00011	0.000036	0.000043	0.000014	0.000011	0.000002
481		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
482		0.00005	0.000018	0.000021	0.000007	0.000005	0.000001
483		0.00008	0.000028	0.000034	0.000011	0.000008	0.000001
484		0.00016	0.000055	0.000066	0.000022	0.000017	0.000003
485		0.00053	0.000179	0.000215	0.000072	0.000054	0.000009
486		0.00110	0.000374	0.000448	0.000149	0.000112	0.000019
487		0.00051	0.000174	0.000208	0.000069	0.000052	0.000009
488		0.00030	0.000103	0.000123	0.000041	0.000031	0.000005
489		0.00020	0.000068	0.000082	0.000027	0.000020	0.000003
490		0.00014	0.000049	0.000059	0.000020	0.000015	0.000002
491		0.00004	0.000012	0.000015	0.000005	0.000004	0.000001
492		0.00005	0.000017	0.000021	0.000007	0.000005	0.000001
493		0.00008	0.000027	0.000032	0.000011	0.000008	0.000001
494		0.00015	0.000049	0.000059	0.000020	0.000015	0.000002
495		0.00039	0.000132	0.000159	0.000053	0.000040	0.000007
496		0.00179	0.000608	0.000729	0.000243	0.000182	0.000030
497		0.00147	0.000498	0.000598	0.000199	0.000149	0.000025
498		0.00215	0.000728	0.000874	0.000291	0.000219	0.000036
499		0.00100	0.000338	0.000405	0.000135	0.000101	0.000017
500		0.00056	0.000191	0.000229	0.000076	0.000057	0.000010
501		0.00036	0.000120	0.000144	0.000048	0.000036	0.000006
502		0.00024	0.000082	0.000098	0.000033	0.000025	0.000004
503		0.00017	0.000059	0.000071	0.000024	0.000018	0.000003
504		0.00004	0.000012	0.000014	0.000005	0.000004	0.000001
505		0.00005	0.000016	0.000019	0.000006	0.000005	0.000001
506		0.00007	0.000024	0.000028	0.000009	0.000007	0.000001
507		0.00011	0.000038	0.000045	0.000015	0.000011	0.000002
508		0.00020	0.000068	0.000081	0.000027	0.000020	0.000003
509		0.00036	0.000123	0.000147	0.000049	0.000037	0.000006
510		0.00054	0.000184	0.000221	0.000074	0.000055	0.000009
511		0.00064	0.000216	0.000259	0.000086	0.000065	0.000011
512		0.00080	0.000271	0.000325	0.000108	0.000081	0.000014
513		0.00258	0.000875	0.001050	0.000350	0.000263	0.000044
514		0.00326	0.001107	0.001328	0.000443	0.000332	0.000055
515		0.00268	0.000908	0.001090	0.000363	0.000272	0.000045
516		0.00120	0.000407	0.000488	0.000163	0.000122	0.000020
517		0.00073	0.000247	0.000297	0.000099	0.000074	0.000012
518		0.00049	0.000165	0.000198	0.000066	0.000049	0.000008
519		0.00034	0.000115	0.000138	0.000046	0.000035	0.000006
520		0.00025	0.000083	0.000100	0.000033	0.000025	0.000004
521		0.00018	0.000062	0.000075	0.000025	0.000019	0.000003
522		0.00003	0.000011	0.000013	0.000004	0.000003	0.000001
523		0.00004	0.000015	0.000018	0.000006	0.000004	0.000001
524		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
525		0.00008	0.000028	0.000033	0.000011	0.000008	0.000001
526		0.00012	0.000040	0.000048	0.000016	0.000012	0.000002
527		0.00017	0.000057	0.000068	0.000023	0.000017	0.000003
528		0.00023	0.000077	0.000093	0.000031	0.000023	0.000004
529		0.00030	0.000100	0.000120	0.000040	0.000030	0.000005
530		0.00038	0.000130	0.000155	0.000052	0.000039	0.000006
531		0.00051	0.000173	0.000208	0.000069	0.000052	0.000009
532		0.00064	0.000218	0.000262	0.000087	0.000065	0.000011
533		0.00068	0.000229	0.000275	0.000092	0.000069	0.000011
534		0.00059	0.000199	0.000239	0.000080	0.000060	0.000010
535		0.00047	0.000158	0.000190	0.000063	0.000047	0.000008
536		0.00036	0.000123	0.000147	0.000049	0.000037	0.000006
537		0.00028	0.000095	0.000114	0.000038	0.000029	0.000005
538		0.00022	0.000074	0.000089	0.000030	0.000022	0.000004

9th and Vineyard
- - Risk Summary

		Chronic Non Cancer Risk					
Receptor #	**Receptor #**	**Max Chronic**	**Site Prep Bto2**	**Grading Bto2**	**Building Constructi on Bto2**	**Paving Bto2**	**AC Bto2**
539		0.00017	0.000059	0.000070	0.000023	0.000018	0.000003
540		0.00003	0.000010	0.000012	0.000004	0.000003	0.000001
541		0.00004	0.000013	0.000016	0.000005	0.000004	0.000001
542		0.00005	0.000016	0.000020	0.000007	0.000005	0.000001
543		0.00006	0.000021	0.000025	0.000008	0.000006	0.000001
544		0.00008	0.000028	0.000033	0.000011	0.000008	0.000001
545		0.00010	0.000035	0.000043	0.000014	0.000011	0.000002
546		0.00013	0.000045	0.000054	0.000018	0.000014	0.000002
547		0.00017	0.000056	0.000068	0.000023	0.000017	0.000003
548		0.00021	0.000070	0.000084	0.000028	0.000021	0.000003
549		0.00025	0.000084	0.000101	0.000034	0.000025	0.000004
550		0.00029	0.000097	0.000116	0.000039	0.000029	0.000005
551		0.00031	0.000106	0.000128	0.000043	0.000032	0.000005
552		0.00030	0.000103	0.000124	0.000041	0.000031	0.000005
553		0.00028	0.000095	0.000114	0.000038	0.000029	0.000005
554		0.00025	0.000084	0.000100	0.000033	0.000025	0.000004
555		0.00021	0.000072	0.000086	0.000029	0.000022	0.000004
556		0.00018	0.000060	0.000073	0.000024	0.000018	0.000003
557		0.00015	0.000051	0.000061	0.000020	0.000015	0.000003
558		0.00003	0.000009	0.000011	0.000004	0.000003	0.000000
559		0.00003	0.000011	0.000014	0.000005	0.000003	0.000001
560		0.00004	0.000014	0.000016	0.000005	0.000004	0.000001
561		0.00005	0.000017	0.000020	0.000007	0.000005	0.000001
562		0.00006	0.000020	0.000024	0.000008	0.000006	0.000001
563		0.00007	0.000025	0.000030	0.000010	0.000007	0.000001
564		0.00009	0.000030	0.000036	0.000012	0.000009	0.000002
565		0.00011	0.000036	0.000043	0.000014	0.000011	0.000002
566		0.00013	0.000043	0.000051	0.000017	0.000013	0.000002
567		0.00014	0.000049	0.000059	0.000020	0.000015	0.000002
568		0.00016	0.000055	0.000066	0.000022	0.000017	0.000003
569		0.00017	0.000058	0.000070	0.000023	0.000018	0.000003
570		0.00018	0.000060	0.000072	0.000024	0.000018	0.000003
571		0.00017	0.000059	0.000071	0.000024	0.000018	0.000003
572		0.00017	0.000056	0.000068	0.000023	0.000017	0.000003
573		0.00015	0.000052	0.000062	0.000021	0.000016	0.000003
574		0.00014	0.000046	0.000056	0.000019	0.000014	0.000002
575		0.00012	0.000041	0.000049	0.000016	0.000012	0.000002

9th and Vineyard

SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years									
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million		Max	Receptor #	REL
1	0.01438	1.57E-03	2.3E-05	1.05E-03	2.37E-08	6.00E-02	1.57E-01	2.23E-10	1.0E+06	2.2E-04				5
2	0.01569	1.57E-03	2.5E-05	1.05E-03	2.58E-08	6.00E-02	1.57E-01	2.44E-10	1.0E+06	2.4E-04	Res	0.055	514	5
3	0.01713	1.57E-03	2.7E-05	1.05E-03	2.82E-08	6.00E-02	1.57E-01	2.66E-10	1.0E+06	2.7E-04				5
4	0.0187	1.57E-03	2.9E-05	1.05E-03	3.08E-08	6.00E-02	1.57E-01	2.90E-10	1.0E+06	2.9E-04				5
5	0.02036	1.57E-03	3.2E-05	1.05E-03	3.35E-08	6.00E-02	1.57E-01	3.16E-10	1.0E+06	3.2E-04				5
6	0.02204	1.57E-03	3.5E-05	1.05E-03	3.63E-08	6.00E-02	1.57E-01	3.42E-10	1.0E+06	3.4E-04				5
7	0.02365	1.57E-03	3.7E-05	1.05E-03	3.89E-08	6.00E-02	1.57E-01	3.67E-10	1.0E+06	3.7E-04				5
8	0.02509	1.57E-03	4.0E-05	1.05E-03	4.13E-08	6.00E-02	1.57E-01	3.89E-10	1.0E+06	3.9E-04				5
9	0.02624	1.57E-03	4.1E-05	1.05E-03	4.32E-08	6.00E-02	1.57E-01	4.07E-10	1.0E+06	4.1E-04				5
10	0.027	1.57E-03	4.3E-05	1.05E-03	4.44E-08	6.00E-02	1.57E-01	4.19E-10	1.0E+06	4.2E-04				5
11	0.0273	1.57E-03	4.3E-05	1.05E-03	4.49E-08	6.00E-02	1.57E-01	4.24E-10	1.0E+06	4.2E-04				5
12	0.02709	1.57E-03	4.3E-05	1.05E-03	4.46E-08	6.00E-02	1.57E-01	4.20E-10	1.0E+06	4.2E-04				5
13	0.0264	1.57E-03	4.2E-05	1.05E-03	4.35E-08	6.00E-02	1.57E-01	4.10E-10	1.0E+06	4.1E-04				5
14	0.02529	1.57E-03	4.0E-05	1.05E-03	4.16E-08	6.00E-02	1.57E-01	3.93E-10	1.0E+06	3.9E-04				5
15	0.02385	1.57E-03	3.8E-05	1.05E-03	3.93E-08	6.00E-02	1.57E-01	3.70E-10	1.0E+06	3.7E-04				5
16	0.02221	1.57E-03	3.5E-05	1.05E-03	3.66E-08	6.00E-02	1.57E-01	3.45E-10	1.0E+06	3.4E-04				5
17	0.0205	1.57E-03	3.2E-05	1.05E-03	3.37E-08	6.00E-02	1.57E-01	3.18E-10	1.0E+06	3.2E-04				5
18	0.01882	1.57E-03	3.0E-05	1.05E-03	3.10E-08	6.00E-02	1.57E-01	2.92E-10	1.0E+06	2.9E-04				5
19	0.01726	1.57E-03	2.7E-05	1.05E-03	2.84E-08	6.00E-02	1.57E-01	2.68E-10	1.0E+06	2.7E-04				5
20	0.01586	1.57E-03	2.5E-05	1.05E-03	2.61E-08	6.00E-02	1.57E-01	2.46E-10	1.0E+06	2.5E-04				5
21	0.01463	1.57E-03	2.3E-05	1.05E-03	2.41E-08	6.00E-02	1.57E-01	2.27E-10	1.0E+06	2.3E-04				5
22	0.01356	1.57E-03	2.1E-05	1.05E-03	2.23E-08	6.00E-02	1.57E-01	2.10E-10	1.0E+06	2.1E-04				5
23	0.01587	1.57E-03	2.5E-05	1.05E-03	2.61E-08	6.00E-02	1.57E-01	2.46E-10	1.0E+06	2.5E-04				5
24	0.01758	1.57E-03	2.8E-05	1.05E-03	2.89E-08	6.00E-02	1.57E-01	2.73E-10	1.0E+06	2.7E-04				5
25	0.01954	1.57E-03	3.1E-05	1.05E-03	3.22E-08	6.00E-02	1.57E-01	3.03E-10	1.0E+06	3.0E-04				5
26	0.02174	1.57E-03	3.4E-05	1.05E-03	3.58E-08	6.00E-02	1.57E-01	3.37E-10	1.0E+06	3.4E-04				5
27	0.02414	1.57E-03	3.8E-05	1.05E-03	3.97E-08	6.00E-02	1.57E-01	3.75E-10	1.0E+06	3.7E-04				5
28	0.02665	1.57E-03	4.2E-05	1.05E-03	4.39E-08	6.00E-02	1.57E-01	4.14E-10	1.0E+06	4.1E-04				5
29	0.02912	1.57E-03	4.6E-05	1.05E-03	4.79E-08	6.00E-02	1.57E-01	4.52E-10	1.0E+06	4.5E-04				5
30	0.03137	1.57E-03	4.9E-05	1.05E-03	5.16E-08	6.00E-02	1.57E-01	4.87E-10	1.0E+06	4.9E-04				5
31	0.03319	1.57E-03	5.2E-05	1.05E-03	5.46E-08	6.00E-02	1.57E-01	5.15E-10	1.0E+06	5.2E-04				5
32	0.03441	1.57E-03	5.4E-05	1.05E-03	5.66E-08	6.00E-02	1.57E-01	5.34E-10	1.0E+06	5.3E-04				5
33	0.03488	1.57E-03	5.5E-05	1.05E-03	5.74E-08	6.00E-02	1.57E-01	5.41E-10	1.0E+06	5.4E-04				5
34	0.03454	1.57E-03	5.4E-05	1.05E-03	5.69E-08	6.00E-02	1.57E-01	5.36E-10	1.0E+06	5.4E-04				5
35	0.03344	1.57E-03	5.3E-05	1.05E-03	5.50E-08	6.00E-02	1.57E-01	5.19E-10	1.0E+06	5.2E-04				5
36	0.03169	1.57E-03	5.0E-05	1.05E-03	5.22E-08	6.00E-02	1.57E-01	4.92E-10	1.0E+06	4.9E-04				5
37	0.02946	1.57E-03	4.6E-05	1.05E-03	4.85E-08	6.00E-02	1.57E-01	4.57E-10	1.0E+06	4.6E-04				5
38	0.02697	1.57E-03	4.2E-05	1.05E-03	4.44E-08	6.00E-02	1.57E-01	4.19E-10	1.0E+06	4.2E-04				5
39	0.02445	1.57E-03	3.9E-05	1.05E-03	4.02E-08	6.00E-02	1.57E-01	3.79E-10	1.0E+06	3.8E-04				5
40	0.02208	1.57E-03	3.5E-05	1.05E-03	3.63E-08	6.00E-02	1.57E-01	3.43E-10	1.0E+06	3.4E-04				5
41	0.01996	1.57E-03	3.1E-05	1.05E-03	3.29E-08	6.00E-02	1.57E-01	3.10E-10	1.0E+06	3.1E-04				5
42	0.01811	1.57E-03	2.9E-05	1.05E-03	2.98E-08	6.00E-02	1.57E-01	2.81E-10	1.0E+06	2.8E-04				5
43	0.01654	1.57E-03	2.6E-05	1.05E-03	2.72E-08	6.00E-02	1.57E-01	2.57E-10	1.0E+06	2.6E-04				5
44	0.01524	1.57E-03	2.4E-05	1.05E-03	2.51E-08	6.00E-02	1.57E-01	2.37E-10	1.0E+06	2.4E-04				5
45	0.01755	1.57E-03	2.8E-05	1.05E-03	2.89E-08	6.00E-02	1.57E-01	2.72E-10	1.0E+06	2.7E-04				5
46	0.0198	1.57E-03	3.1E-05	1.05E-03	3.26E-08	6.00E-02	1.57E-01	3.07E-10	1.0E+06	3.1E-04				5
47	0.02249	1.57E-03	3.5E-05	1.05E-03	3.70E-08	6.00E-02	1.57E-01	3.49E-10	1.0E+06	3.5E-04				5
48	0.02563	1.57E-03	4.0E-05	1.05E-03	4.22E-08	6.00E-02	1.57E-01	3.98E-10	1.0E+06	4.0E-04				5
49	0.02921	1.57E-03	4.6E-05	1.05E-03	4.81E-08	6.00E-02	1.57E-01	4.53E-10	1.0E+06	4.5E-04				5
50	0.03311	1.57E-03	5.2E-05	1.05E-03	5.45E-08	6.00E-02	1.57E-01	5.14E-10	1.0E+06	5.1E-04				5
51	0.03707	1.57E-03	5.8E-05	1.05E-03	6.10E-08	6.00E-02	1.57E-01	5.75E-10	1.0E+06	5.8E-04				5
52	0.04077	1.57E-03	6.4E-05	1.05E-03	6.71E-08	6.00E-02	1.57E-01	6.33E-10	1.0E+06	6.3E-04				5
53	0.0438	1.57E-03	6.9E-05	1.05E-03	7.21E-08	6.00E-02	1.57E-01	6.80E-10	1.0E+06	6.8E-04				5
54	0.04584	1.57E-03	7.2E-05	1.05E-03	7.55E-08	6.00E-02	1.57E-01	7.11E-10	1.0E+06	7.1E-04				5
55	0.04665	1.57E-03	7.3E-05	1.05E-03	7.68E-08	6.00E-02	1.57E-01	7.24E-10	1.0E+06	7.2E-04				5
56	0.04611	1.57E-03	7.3E-05	1.05E-03	7.59E-08	6.00E-02	1.57E-01	7.16E-10	1.0E+06	7.2E-04				5
57	0.0443	1.57E-03	7.0E-05	1.05E-03	7.29E-08	6.00E-02	1.57E-01	6.88E-10	1.0E+06	6.9E-04				5
58	0.04138	1.57E-03	6.5E-05	1.05E-03	6.81E-08	6.00E-02	1.57E-01	6.42E-10	1.0E+06	6.4E-04				5
59	0.03776	1.57E-03	5.9E-05	1.05E-03	6.22E-08	6.00E-02	1.57E-01	5.86E-10	1.0E+06	5.9E-04				5
60	0.03382	1.57E-03	5.3E-05	1.05E-03	5.57E-08	6.00E-02	1.57E-01	5.25E-10	1.0E+06	5.2E-04				5
61	0.02998	1.57E-03	4.7E-05	1.05E-03	4.94E-08	6.00E-02	1.57E-01	4.65E-10	1.0E+06	4.7E-04				5
62	0.02652	1.57E-03	4.2E-05	1.05E-03	4.37E-08	6.00E-02	1.57E-01	4.12E-10	1.0E+06	4.1E-04				5
63	0.02357	1.57E-03	3.7E-05	1.05E-03	3.88E-08	6.00E-02	1.57E-01	3.66E-10	1.0E+06	3.7E-04				5
64	0.02112	1.57E-03	3.3E-05	1.05E-03	3.48E-08	6.00E-02	1.57E-01	3.28E-10	1.0E+06	3.3E-04				5
65	0.01912	1.57E-03	3.0E-05	1.05E-03	3.15E-08	6.00E-02	1.57E-01	2.97E-10	1.0E+06	3.0E-04				5
66	0.01748	1.57E-03	2.8E-05	1.05E-03	2.88E-08	6.00E-02	1.57E-01	2.71E-10	1.0E+06	2.7E-04				5
67	0.01938	1.57E-03	3.1E-05	1.05E-03	3.19E-08	6.00E-02	1.57E-01	3.01E-10	1.0E+06	3.0E-04				5
68	0.02236	1.57E-03	3.5E-05	1.05E-03	3.68E-08	6.00E-02	1.57E-01	3.47E-10	1.0E+06	3.5E-04				5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
69	0.02605	1.57E-03	4.1E-05	1.05E-03	4.29E-08	6.00E-02	1.57E-01	4.04E-10	1.0E+06	4.0E-04	5
70	0.03064	1.57E-03	4.8E-05	1.05E-03	5.04E-08	6.00E-02	1.57E-01	4.76E-10	1.0E+06	4.8E-04	5
71	0.03617	1.57E-03	5.7E-05	1.05E-03	5.95E-08	6.00E-02	1.57E-01	5.61E-10	1.0E+06	5.6E-04	5
72	0.04253	1.57E-03	6.7E-05	1.05E-03	7.00E-08	6.00E-02	1.57E-01	6.60E-10	1.0E+06	6.6E-04	5
73	0.04927	1.57E-03	7.8E-05	1.05E-03	8.11E-08	6.00E-02	1.57E-01	7.65E-10	1.0E+06	7.6E-04	5
74	0.05574	1.57E-03	8.8E-05	1.05E-03	9.18E-08	6.00E-02	1.57E-01	8.65E-10	1.0E+06	8.7E-04	5
75	0.06109	1.57E-03	9.6E-05	1.05E-03	1.01E-07	6.00E-02	1.57E-01	9.48E-10	1.0E+06	9.5E-04	5
76	0.06471	1.57E-03	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5
77	0.06618	1.57E-03	1.0E-04	1.05E-03	1.09E-07	6.00E-02	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5
78	0.06532	1.57E-03	1.0E-04	1.05E-03	1.08E-07	6.00E-02	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5
79	0.06222	1.57E-03	9.8E-05	1.05E-03	1.02E-07	6.00E-02	1.57E-01	9.66E-10	1.0E+06	9.7E-04	5
80	0.05715	1.57E-03	9.0E-05	1.05E-03	9.41E-08	6.00E-02	1.57E-01	8.87E-10	1.0E+06	8.9E-04	5
81	0.05084	1.57E-03	8.0E-05	1.05E-03	8.37E-08	6.00E-02	1.57E-01	7.89E-10	1.0E+06	7.9E-04	5
82	0.0442	1.57E-03	7.0E-05	1.05E-03	7.28E-08	6.00E-02	1.57E-01	6.86E-10	1.0E+06	6.9E-04	5
83	0.03807	1.57E-03	6.0E-05	1.05E-03	6.27E-08	6.00E-02	1.57E-01	5.91E-10	1.0E+06	5.9E-04	5
84	0.03287	1.57E-03	5.2E-05	1.05E-03	5.41E-08	6.00E-02	1.57E-01	5.10E-10	1.0E+06	5.1E-04	5
85	0.02868	1.57E-03	4.5E-05	1.05E-03	4.72E-08	6.00E-02	1.57E-01	4.45E-10	1.0E+06	4.5E-04	5
86	0.02537	1.57E-03	4.0E-05	1.05E-03	4.18E-08	6.00E-02	1.57E-01	3.94E-10	1.0E+06	3.9E-04	5
87	0.02274	1.57E-03	3.6E-05	1.05E-03	3.74E-08	6.00E-02	1.57E-01	3.53E-10	1.0E+06	3.5E-04	5
88	0.02064	1.57E-03	3.3E-05	1.05E-03	3.40E-08	6.00E-02	1.57E-01	3.20E-10	1.0E+06	3.2E-04	5
89	0.02128	1.57E-03	3.4E-05	1.05E-03	3.50E-08	6.00E-02	1.57E-01	3.30E-10	1.0E+06	3.3E-04	5
90	0.02519	1.57E-03	4.0E-05	1.05E-03	4.15E-08	6.00E-02	1.57E-01	3.91E-10	1.0E+06	3.9E-04	5
91	0.0303	1.57E-03	4.8E-05	1.05E-03	4.99E-08	6.00E-02	1.57E-01	4.70E-10	1.0E+06	4.7E-04	5
92	0.03704	1.57E-03	5.8E-05	1.05E-03	6.10E-08	6.00E-02	1.57E-01	5.75E-10	1.0E+06	5.7E-04	5
93	0.04587	1.57E-03	7.2E-05	1.05E-03	7.55E-08	6.00E-02	1.57E-01	7.12E-10	1.0E+06	7.1E-04	5
94	0.05698	1.57E-03	9.0E-05	1.05E-03	9.38E-08	6.00E-02	1.57E-01	8.84E-10	1.0E+06	8.8E-04	5
95	0.06947	1.57E-03	1.1E-04	1.05E-03	1.14E-07	6.00E-02	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5
96	0.0817	1.57E-03	1.3E-04	1.05E-03	1.34E-07	6.00E-02	1.57E-01	1.27E-09	1.0E+06	1.3E-03	5
97	0.0918	1.57E-03	1.4E-04	1.05E-03	1.51E-07	6.00E-02	1.57E-01	1.42E-09	1.0E+06	1.4E-03	5
98	0.09865	1.57E-03	1.6E-04	1.05E-03	1.62E-07	6.00E-02	1.57E-01	1.53E-09	1.0E+06	1.5E-03	5
99	0.10172	1.57E-03	1.6E-04	1.05E-03	1.67E-07	6.00E-02	1.57E-01	1.58E-09	1.0E+06	1.6E-03	5
100	0.10055	1.57E-03	1.6E-04	1.05E-03	1.66E-07	6.00E-02	1.57E-01	1.56E-09	1.0E+06	1.6E-03	5
101	0.09497	1.57E-03	1.5E-04	1.05E-03	1.56E-07	6.00E-02	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5
102	0.08541	1.57E-03	1.3E-04	1.05E-03	1.41E-07	6.00E-02	1.57E-01	1.33E-09	1.0E+06	1.3E-03	5
103	0.07338	1.57E-03	1.2E-04	1.05E-03	1.21E-07	6.00E-02	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5
104	0.06125	1.57E-03	9.6E-05	1.05E-03	1.01E-07	6.00E-02	1.57E-01	9.51E-10	1.0E+06	9.5E-04	5
105	0.05078	1.57E-03	8.0E-05	1.05E-03	8.36E-08	6.00E-02	1.57E-01	7.88E-10	1.0E+06	7.9E-04	5
106	0.04261	1.57E-03	6.7E-05	1.05E-03	7.01E-08	6.00E-02	1.57E-01	6.61E-10	1.0E+06	6.6E-04	5
107	0.03645	1.57E-03	5.7E-05	1.05E-03	6.00E-08	6.00E-02	1.57E-01	5.66E-10	1.0E+06	5.7E-04	5
108	0.03179	1.57E-03	5.0E-05	1.05E-03	5.23E-08	6.00E-02	1.57E-01	4.93E-10	1.0E+06	4.9E-04	5
109	0.02818	1.57E-03	4.4E-05	1.05E-03	4.64E-08	6.00E-02	1.57E-01	4.37E-10	1.0E+06	4.4E-04	5
110	0.02531	1.57E-03	4.0E-05	1.05E-03	4.17E-08	6.00E-02	1.57E-01	3.93E-10	1.0E+06	3.9E-04	5
111	0.02308	1.57E-03	3.6E-05	1.05E-03	3.80E-08	6.00E-02	1.57E-01	3.58E-10	1.0E+06	3.6E-04	5
112	0.02811	1.57E-03	4.4E-05	1.05E-03	4.63E-08	6.00E-02	1.57E-01	4.36E-10	1.0E+06	4.4E-04	5
113	0.03493	1.57E-03	5.5E-05	1.05E-03	5.75E-08	6.00E-02	1.57E-01	5.42E-10	1.0E+06	5.4E-04	5
114	0.0449	1.57E-03	7.1E-05	1.05E-03	7.39E-08	6.00E-02	1.57E-01	6.97E-10	1.0E+06	7.0E-04	5
115	0.05977	1.57E-03	9.4E-05	1.05E-03	9.84E-08	6.00E-02	1.57E-01	9.28E-10	1.0E+06	9.3E-04	5
116	0.08075	1.57E-03	1.3E-04	1.05E-03	1.33E-07	6.00E-02	1.57E-01	1.25E-09	1.0E+06	1.3E-03	5
117	0.10687	1.57E-03	1.7E-04	1.05E-03	1.76E-07	6.00E-02	1.57E-01	1.66E-09	1.0E+06	1.7E-03	5
118	0.13317	1.57E-03	2.1E-04	1.05E-03	2.19E-07	6.00E-02	1.57E-01	2.07E-09	1.0E+06	2.1E-03	5
119	0.15411	1.57E-03	2.4E-04	1.05E-03	2.54E-07	6.00E-02	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5
120	0.16804	1.57E-03	2.6E-04	1.05E-03	2.77E-07	6.00E-02	1.57E-01	2.61E-09	1.0E+06	2.6E-03	5
121	0.17533	1.57E-03	2.8E-04	1.05E-03	2.89E-07	6.00E-02	1.57E-01	2.72E-09	1.0E+06	2.7E-03	5
122	0.17468	1.57E-03	2.8E-04	1.05E-03	2.88E-07	6.00E-02	1.57E-01	2.71E-09	1.0E+06	2.7E-03	5
123	0.16438	1.57E-03	2.6E-04	1.05E-03	2.71E-07	6.00E-02	1.57E-01	2.55E-09	1.0E+06	2.6E-03	5
124	0.14421	1.57E-03	2.3E-04	1.05E-03	2.37E-07	6.00E-02	1.57E-01	2.24E-09	1.0E+06	2.2E-03	5
125	0.1176	1.57E-03	1.9E-04	1.05E-03	1.94E-07	6.00E-02	1.57E-01	1.83E-09	1.0E+06	1.8E-03	5
126	0.09217	1.57E-03	1.5E-04	1.05E-03	1.52E-07	6.00E-02	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5
127	0.07265	1.57E-03	1.1E-04	1.05E-03	1.20E-07	6.00E-02	1.57E-01	1.13E-09	1.0E+06	1.1E-03	5
128	0.05894	1.57E-03	9.3E-05	1.05E-03	9.70E-08	6.00E-02	1.57E-01	9.15E-10	1.0E+06	9.1E-04	5
129	0.04926	1.57E-03	7.8E-05	1.05E-03	8.11E-08	6.00E-02	1.57E-01	7.65E-10	1.0E+06	7.6E-04	5
130	0.04212	1.57E-03	6.6E-05	1.05E-03	6.93E-08	6.00E-02	1.57E-01	6.54E-10	1.0E+06	6.5E-04	5
131	0.03667	1.57E-03	5.8E-05	1.05E-03	6.04E-08	6.00E-02	1.57E-01	5.69E-10	1.0E+06	5.7E-04	5
132	0.03235	1.57E-03	5.1E-05	1.05E-03	5.33E-08	6.00E-02	1.57E-01	5.02E-10	1.0E+06	5.0E-04	5
133	0.02458	1.57E-03	3.9E-05	1.05E-03	4.05E-08	6.00E-02	1.57E-01	3.82E-10	1.0E+06	3.8E-04	5
134	0.03059	1.57E-03	4.8E-05	1.05E-03	5.04E-08	6.00E-02	1.57E-01	4.75E-10	1.0E+06	4.7E-04	5
135	0.03959	1.57E-03	6.2E-05	1.05E-03	6.52E-08	6.00E-02	1.57E-01	6.14E-10	1.0E+06	6.1E-04	5
136	0.05435	1.57E-03	8.6E-05	1.05E-03	8.95E-08	6.00E-02	1.57E-01	8.44E-10	1.0E+06	8.4E-04	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
137	0.07955	1.57E-03	1.3E-04	1.05E-03	1.31E-07	6.00E-02	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5
138	0.12284	1.57E-03	1.9E-04	1.05E-03	2.02E-07	6.00E-02	1.57E-01	1.91E-09	1.0E+06	1.9E-03	5
139	0.19239	1.57E-03	3.0E-04	1.05E-03	3.17E-07	6.00E-02	1.57E-01	2.99E-09	1.0E+06	3.0E-03	5
140	0.26503	1.57E-03	4.2E-04	1.05E-03	4.36E-07	6.00E-02	1.57E-01	4.11E-09	1.0E+06	4.1E-03	5
141	0.31576	1.57E-03	5.0E-04	1.05E-03	5.20E-07	6.00E-02	1.57E-01	4.90E-09	1.0E+06	4.9E-03	5
142	0.34621	1.57E-03	5.5E-04	1.05E-03	5.70E-07	6.00E-02	1.57E-01	5.37E-09	1.0E+06	5.4E-03	5
143	0.3703	1.57E-03	5.8E-04	1.05E-03	6.10E-07	6.00E-02	1.57E-01	5.75E-09	1.0E+06	5.7E-03	5
144	0.3737	1.57E-03	5.9E-04	1.05E-03	6.15E-07	6.00E-02	1.57E-01	5.80E-09	1.0E+06	5.8E-03	5
145	0.35451	1.57E-03	5.6E-04	1.05E-03	5.84E-07	6.00E-02	1.57E-01	5.50E-09	1.0E+06	5.5E-03	5
146	0.30384	1.57E-03	4.8E-04	1.05E-03	5.00E-07	6.00E-02	1.57E-01	4.72E-09	1.0E+06	4.7E-03	5
147	0.22471	1.57E-03	3.5E-04	1.05E-03	3.70E-07	6.00E-02	1.57E-01	3.49E-09	1.0E+06	3.5E-03	5
148	0.15714	1.57E-03	2.5E-04	1.05E-03	2.59E-07	6.00E-02	1.57E-01	2.44E-09	1.0E+06	2.4E-03	5
149	0.11508	1.57E-03	1.8E-04	1.05E-03	1.89E-07	6.00E-02	1.57E-01	1.79E-09	1.0E+06	1.8E-03	5
150	0.089	1.57E-03	1.4E-04	1.05E-03	1.47E-07	6.00E-02	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5
151	0.07149	1.57E-03	1.1E-04	1.05E-03	1.18E-07	6.00E-02	1.57E-01	1.11E-09	1.0E+06	1.1E-03	5
152	0.05903	1.57E-03	9.3E-05	1.05E-03	9.72E-08	6.00E-02	1.57E-01	9.16E-10	1.0E+06	9.2E-04	5
153	0.04981	1.57E-03	7.8E-05	1.05E-03	8.20E-08	6.00E-02	1.57E-01	7.73E-10	1.0E+06	7.7E-04	5
154	0.04276	1.57E-03	6.7E-05	1.05E-03	7.04E-08	6.00E-02	1.57E-01	6.64E-10	1.0E+06	6.6E-04	5
155	0.02548	1.57E-03	4.0E-05	1.05E-03	4.19E-08	6.00E-02	1.57E-01	3.95E-10	1.0E+06	4.0E-04	5
156	0.03233	1.57E-03	5.1E-05	1.05E-03	5.32E-08	6.00E-02	1.57E-01	5.02E-10	1.0E+06	5.0E-04	5
157	0.04354	1.57E-03	6.9E-05	1.05E-03	7.17E-08	6.00E-02	1.57E-01	6.76E-10	1.0E+06	6.8E-04	5
158	0.0626	1.57E-03	9.9E-05	1.05E-03	1.03E-07	6.00E-02	1.57E-01	9.72E-10	1.0E+06	9.7E-04	5
159	0.10146	1.57E-03	1.6E-04	1.05E-03	1.67E-07	6.00E-02	1.57E-01	1.57E-09	1.0E+06	1.6E-03	5
160	0.19626	1.57E-03	3.1E-04	1.05E-03	3.23E-07	6.00E-02	1.57E-01	3.05E-09	1.0E+06	3.0E-03	5
161	0.52811	1.57E-03	8.3E-04	1.05E-03	8.69E-07	6.00E-02	1.57E-01	8.20E-09	1.0E+06	8.2E-03	5
162	0.95064	1.57E-03	1.5E-03	1.05E-03	1.56E-06	6.00E-02	1.57E-01	1.48E-08	1.0E+06	1.5E-02	5
163	1.14754	1.57E-03	1.8E-03	1.05E-03	1.89E-06	6.00E-02	1.57E-01	1.78E-08	1.0E+06	1.8E-02	5
164	1.14449	1.57E-03	1.8E-03	1.05E-03	1.88E-06	6.00E-02	1.57E-01	1.78E-08	1.0E+06	1.8E-02	5
165	1.38235	1.57E-03	2.2E-03	1.05E-03	2.28E-06	6.00E-02	1.57E-01	2.15E-08	1.0E+06	2.1E-02	5
166	1.3436	1.57E-03	2.1E-03	1.05E-03	2.21E-06	6.00E-02	1.57E-01	2.09E-08	1.0E+06	2.1E-02	5
167	1.32059	1.57E-03	2.1E-03	1.05E-03	2.17E-06	6.00E-02	1.57E-01	2.05E-08	1.0E+06	2.0E-02	5
168	1.14738	1.57E-03	1.8E-03	1.05E-03	1.89E-06	6.00E-02	1.57E-01	1.78E-08	1.0E+06	1.8E-02	5
169	0.63435	1.57E-03	1.0E-03	1.05E-03	1.04E-06	6.00E-02	1.57E-01	9.85E-09	1.0E+06	9.8E-03	5
170	0.3222	1.57E-03	5.1E-04	1.05E-03	5.30E-07	6.00E-02	1.57E-01	5.00E-09	1.0E+06	5.0E-03	5
171	0.20423	1.57E-03	3.2E-04	1.05E-03	3.36E-07	6.00E-02	1.57E-01	3.17E-09	1.0E+06	3.2E-03	5
172	0.14381	1.57E-03	2.3E-04	1.05E-03	2.37E-07	6.00E-02	1.57E-01	2.23E-09	1.0E+06	2.2E-03	5
173	0.1081	1.57E-03	1.7E-04	1.05E-03	1.78E-07	6.00E-02	1.57E-01	1.68E-09	1.0E+06	1.7E-03	5
174	0.0848	1.57E-03	1.3E-04	1.05E-03	1.40E-07	6.00E-02	1.57E-01	1.32E-09	1.0E+06	1.3E-03	5
175	0.06864	1.57E-03	1.1E-04	1.05E-03	1.13E-07	6.00E-02	1.57E-01	1.07E-09	1.0E+06	1.1E-03	5
176	0.05698	1.57E-03	9.0E-05	1.05E-03	9.38E-08	6.00E-02	1.57E-01	8.84E-10	1.0E+06	8.8E-04	5
177	0.02626	1.57E-03	4.1E-05	1.05E-03	4.32E-08	6.00E-02	1.57E-01	4.08E-10	1.0E+06	4.1E-04	5
178	0.03372	1.57E-03	5.3E-05	1.05E-03	5.55E-08	6.00E-02	1.57E-01	5.23E-10	1.0E+06	5.2E-04	5
179	0.04619	1.57E-03	7.3E-05	1.05E-03	7.60E-08	6.00E-02	1.57E-01	7.17E-10	1.0E+06	7.2E-04	5
180	0.06932	1.57E-03	1.1E-04	1.05E-03	1.14E-07	6.00E-02	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5
181	0.12019	1.57E-03	1.9E-04	1.05E-03	1.98E-07	6.00E-02	1.57E-01	1.87E-09	1.0E+06	1.9E-03	5
182	0.27703	1.57E-03	4.4E-04	1.05E-03	4.56E-07	6.00E-02	1.57E-01	4.30E-09	1.0E+06	4.3E-03	5
183	1.76771	1.57E-03	2.8E-03	1.05E-03	2.91E-06	6.00E-02	1.57E-01	2.74E-08	1.0E+06	2.7E-02	5
184	2.02166	1.57E-03	3.2E-03	1.05E-03	3.33E-06	6.00E-02	1.57E-01	3.14E-08	1.0E+06	3.1E-02	5
185	0.64685	1.57E-03	1.0E-03	1.05E-03	1.06E-06	6.00E-02	1.57E-01	1.00E-08	1.0E+06	1.0E-02	5
186	0.34727	1.57E-03	5.5E-04	1.05E-03	5.72E-07	6.00E-02	1.57E-01	5.39E-09	1.0E+06	5.4E-03	5
187	0.22322	1.57E-03	3.5E-04	1.05E-03	3.67E-07	6.00E-02	1.57E-01	3.46E-09	1.0E+06	3.5E-03	5
188	0.15755	1.57E-03	2.5E-04	1.05E-03	2.59E-07	6.00E-02	1.57E-01	2.45E-09	1.0E+06	2.4E-03	5
189	0.11785	1.57E-03	1.9E-04	1.05E-03	1.94E-07	6.00E-02	1.57E-01	1.83E-09	1.0E+06	1.8E-03	5
190	0.09196	1.57E-03	1.4E-04	1.05E-03	1.51E-07	6.00E-02	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5
191	0.07411	1.57E-03	1.2E-04	1.05E-03	1.22E-07	6.00E-02	1.57E-01	1.15E-09	1.0E+06	1.2E-03	5
192	0.02656	1.57E-03	4.2E-05	1.05E-03	4.37E-08	6.00E-02	1.57E-01	4.12E-10	1.0E+06	4.1E-04	5
193	0.03404	1.57E-03	5.4E-05	1.05E-03	5.60E-08	6.00E-02	1.57E-01	5.28E-10	1.0E+06	5.3E-04	5
194	0.04653	1.57E-03	7.3E-05	1.05E-03	7.66E-08	6.00E-02	1.57E-01	7.22E-10	1.0E+06	7.2E-04	5
195	0.06954	1.57E-03	1.1E-04	1.05E-03	1.14E-07	6.00E-02	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5
196	0.12065	1.57E-03	1.9E-04	1.05E-03	1.99E-07	6.00E-02	1.57E-01	1.87E-09	1.0E+06	1.9E-03	5
197	0.27422	1.57E-03	4.3E-04	1.05E-03	4.51E-07	6.00E-02	1.57E-01	4.26E-09	1.0E+06	4.3E-03	5
198	1.76698	1.57E-03	2.8E-03	1.05E-03	2.91E-06	6.00E-02	1.57E-01	2.74E-08	1.0E+06	2.7E-02	5
199	2.25993	1.57E-03	3.6E-03	1.05E-03	3.72E-06	6.00E-02	1.57E-01	3.51E-08	1.0E+06	3.5E-02	5
200	1.86874	1.57E-03	2.9E-03	1.05E-03	3.08E-06	6.00E-02	1.57E-01	2.90E-08	1.0E+06	2.9E-02	5
201	0.819	1.57E-03	1.3E-03	1.05E-03	1.35E-06	6.00E-02	1.57E-01	1.27E-08	1.0E+06	1.3E-02	5
202	0.46139	1.57E-03	7.3E-04	1.05E-03	7.60E-07	6.00E-02	1.57E-01	7.16E-09	1.0E+06	7.2E-03	5
203	0.2942	1.57E-03	4.6E-04	1.05E-03	4.84E-07	6.00E-02	1.57E-01	4.57E-09	1.0E+06	4.6E-03	5
204	0.20407	1.57E-03	3.2E-04	1.05E-03	3.36E-07	6.00E-02	1.57E-01	3.17E-09	1.0E+06	3.2E-03	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
205	0.14993	1.57E-03	2.4E-04	1.05E-03	2.47E-07	6.00E-02	1.57E-01	2.33E-09	1.0E+06	2.3E-03	5
206	0.115	1.57E-03	1.8E-04	1.05E-03	1.89E-07	6.00E-02	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5
207	0.09116	1.57E-03	1.4E-04	1.05E-03	1.50E-07	6.00E-02	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5
208	0.02649	1.57E-03	4.2E-05	1.05E-03	4.36E-08	6.00E-02	1.57E-01	4.11E-10	1.0E+06	4.1E-04	5
209	0.03366	1.57E-03	5.3E-05	1.05E-03	5.54E-08	6.00E-02	1.57E-01	5.22E-10	1.0E+06	5.2E-04	5
210	0.04492	1.57E-03	7.1E-05	1.05E-03	7.39E-08	6.00E-02	1.57E-01	6.97E-10	1.0E+06	7.0E-04	5
211	0.06498	1.57E-03	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5
212	0.10392	1.57E-03	1.6E-04	1.05E-03	1.71E-07	6.00E-02	1.57E-01	1.61E-09	1.0E+06	1.6E-03	5
213	0.19656	1.57E-03	3.1E-04	1.05E-03	3.24E-07	6.00E-02	1.57E-01	3.05E-09	1.0E+06	3.1E-03	5
214	0.4953	1.57E-03	7.8E-04	1.05E-03	8.15E-07	6.00E-02	1.57E-01	7.69E-09	1.0E+06	7.7E-03	5
215	1.05755	1.57E-03	1.7E-03	1.05E-03	1.74E-06	6.00E-02	1.57E-01	1.64E-08	1.0E+06	1.6E-02	5
216	1.23806	1.57E-03	1.9E-03	1.05E-03	2.04E-06	6.00E-02	1.57E-01	1.92E-08	1.0E+06	1.9E-02	5
217	1.06867	1.57E-03	1.7E-03	1.05E-03	1.76E-06	6.00E-02	1.57E-01	1.66E-08	1.0E+06	1.7E-02	5
218	2.8323	1.57E-03	4.5E-03	1.05E-03	4.66E-06	6.00E-02	1.57E-01	4.40E-08	1.0E+06	4.4E-02	5
219	1.2335	1.57E-03	1.9E-03	1.05E-03	2.03E-06	6.00E-02	1.57E-01	1.91E-08	1.0E+06	1.9E-02	5
220	0.72626	1.57E-03	1.1E-03	1.05E-03	1.20E-06	6.00E-02	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5
221	0.46623	1.57E-03	7.3E-04	1.05E-03	7.67E-07	6.00E-02	1.57E-01	7.24E-09	1.0E+06	7.2E-03	5
222	0.31748	1.57E-03	5.0E-04	1.05E-03	5.23E-07	6.00E-02	1.57E-01	4.93E-09	1.0E+06	4.9E-03	5
223	0.22738	1.57E-03	3.6E-04	1.05E-03	3.74E-07	6.00E-02	1.57E-01	3.53E-09	1.0E+06	3.5E-03	5
224	0.16979	1.57E-03	2.7E-04	1.05E-03	2.80E-07	6.00E-02	1.57E-01	2.64E-09	1.0E+06	2.6E-03	5
225	0.13119	1.57E-03	2.1E-04	1.05E-03	2.16E-07	6.00E-02	1.57E-01	2.04E-09	1.0E+06	2.0E-03	5
226	0.10421	1.57E-03	1.6E-04	1.05E-03	1.72E-07	6.00E-02	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5
227	0.02601	1.57E-03	4.1E-05	1.05E-03	4.28E-08	6.00E-02	1.57E-01	4.04E-10	1.0E+06	4.0E-04	5
228	0.03247	1.57E-03	5.1E-05	1.05E-03	5.35E-08	6.00E-02	1.57E-01	5.04E-10	1.0E+06	5.0E-04	5
229	0.04222	1.57E-03	6.6E-05	1.05E-03	6.95E-08	6.00E-02	1.57E-01	6.55E-10	1.0E+06	6.6E-04	5
230	0.05776	1.57E-03	9.1E-05	1.05E-03	9.51E-08	6.00E-02	1.57E-01	8.96E-10	1.0E+06	9.0E-04	5
231	0.08368	1.57E-03	1.3E-04	1.05E-03	1.38E-07	6.00E-02	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5
232	0.12764	1.57E-03	2.0E-04	1.05E-03	2.10E-07	6.00E-02	1.57E-01	1.98E-09	1.0E+06	2.0E-03	5
233	0.20256	1.57E-03	3.2E-04	1.05E-03	3.33E-07	6.00E-02	1.57E-01	3.14E-09	1.0E+06	3.1E-03	5
234	0.30255	1.57E-03	4.8E-04	1.05E-03	4.98E-07	6.00E-02	1.57E-01	4.70E-09	1.0E+06	4.7E-03	5
235	0.40492	1.57E-03	6.4E-04	1.05E-03	6.67E-07	6.00E-02	1.57E-01	6.28E-09	1.0E+06	6.3E-03	5
236	0.50737	1.57E-03	8.0E-04	1.05E-03	8.35E-07	6.00E-02	1.57E-01	7.87E-09	1.0E+06	7.9E-03	5
237	0.73441	1.57E-03	1.2E-03	1.05E-03	1.21E-06	6.00E-02	1.57E-01	1.14E-08	1.0E+06	1.1E-02	5
238	1.15869	1.57E-03	1.8E-03	1.05E-03	1.91E-06	6.00E-02	1.57E-01	1.80E-08	1.0E+06	1.8E-02	5
239	1.33024	1.57E-03	2.1E-03	1.05E-03	2.19E-06	6.00E-02	1.57E-01	2.06E-08	1.0E+06	2.1E-02	5
240	1.0895	1.57E-03	1.7E-03	1.05E-03	1.79E-06	6.00E-02	1.57E-01	1.69E-08	1.0E+06	1.7E-02	5
241	0.75955	1.57E-03	1.2E-03	1.05E-03	1.25E-06	6.00E-02	1.57E-01	1.18E-08	1.0E+06	1.2E-02	5
242	0.53889	1.57E-03	8.5E-04	1.05E-03	8.87E-07	6.00E-02	1.57E-01	8.36E-09	1.0E+06	8.4E-03	5
243	0.39177	1.57E-03	6.2E-04	1.05E-03	6.45E-07	6.00E-02	1.57E-01	6.08E-09	1.0E+06	6.1E-03	5
244	0.29118	1.57E-03	4.6E-04	1.05E-03	4.79E-07	6.00E-02	1.57E-01	4.52E-09	1.0E+06	4.5E-03	5
245	0.22102	1.57E-03	3.5E-04	1.05E-03	3.64E-07	6.00E-02	1.57E-01	3.43E-09	1.0E+06	3.4E-03	5
246	0.17151	1.57E-03	2.7E-04	1.05E-03	2.82E-07	6.00E-02	1.57E-01	2.66E-09	1.0E+06	2.7E-03	5
247	0.13599	1.57E-03	2.1E-04	1.05E-03	2.24E-07	6.00E-02	1.57E-01	2.11E-09	1.0E+06	2.1E-03	5
248	0.10994	1.57E-03	1.7E-04	1.05E-03	1.81E-07	6.00E-02	1.57E-01	1.71E-09	1.0E+06	1.7E-03	5
249	0.02517	1.57E-03	4.0E-05	1.05E-03	4.14E-08	6.00E-02	1.57E-01	3.91E-10	1.0E+06	3.9E-04	5
250	0.03073	1.57E-03	4.8E-05	1.05E-03	5.06E-08	6.00E-02	1.57E-01	4.77E-10	1.0E+06	4.8E-04	5
251	0.03854	1.57E-03	6.1E-05	1.05E-03	6.34E-08	6.00E-02	1.57E-01	5.98E-10	1.0E+06	6.0E-04	5
252	0.04987	1.57E-03	7.9E-05	1.05E-03	8.21E-08	6.00E-02	1.57E-01	7.74E-10	1.0E+06	7.7E-04	5
253	0.06608	1.57E-03	1.0E-04	1.05E-03	1.09E-07	6.00E-02	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5
254	0.08949	1.57E-03	1.4E-04	1.05E-03	1.47E-07	6.00E-02	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5
255	0.12075	1.57E-03	1.9E-04	1.05E-03	1.99E-07	6.00E-02	1.57E-01	1.87E-09	1.0E+06	1.9E-03	5
256	0.16154	1.57E-03	2.5E-04	1.05E-03	2.66E-07	6.00E-02	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5
257	0.20802	1.57E-03	3.3E-04	1.05E-03	3.42E-07	6.00E-02	1.57E-01	3.23E-09	1.0E+06	3.2E-03	5
258	0.2628	1.57E-03	4.1E-04	1.05E-03	4.33E-07	6.00E-02	1.57E-01	4.08E-09	1.0E+06	4.1E-03	5
259	0.33174	1.57E-03	5.2E-04	1.05E-03	5.46E-07	6.00E-02	1.57E-01	5.15E-09	1.0E+06	5.1E-03	5
260	0.40804	1.57E-03	6.4E-04	1.05E-03	6.72E-07	6.00E-02	1.57E-01	6.33E-09	1.0E+06	6.3E-03	5
261	0.46468	1.57E-03	7.3E-04	1.05E-03	7.65E-07	6.00E-02	1.57E-01	7.21E-09	1.0E+06	7.2E-03	5
262	0.46625	1.57E-03	7.3E-04	1.05E-03	7.68E-07	6.00E-02	1.57E-01	7.24E-09	1.0E+06	7.2E-03	5
263	0.42118	1.57E-03	6.6E-04	1.05E-03	6.93E-07	6.00E-02	1.57E-01	6.54E-09	1.0E+06	6.5E-03	5
264	0.3561	1.57E-03	5.6E-04	1.05E-03	5.86E-07	6.00E-02	1.57E-01	5.53E-09	1.0E+06	5.5E-03	5
265	0.29297	1.57E-03	4.6E-04	1.05E-03	4.82E-07	6.00E-02	1.57E-01	4.55E-09	1.0E+06	4.5E-03	5
266	0.23821	1.57E-03	3.8E-04	1.05E-03	3.92E-07	6.00E-02	1.57E-01	3.70E-09	1.0E+06	3.7E-03	5
267	0.19314	1.57E-03	3.0E-04	1.05E-03	3.18E-07	6.00E-02	1.57E-01	3.00E-09	1.0E+06	3.0E-03	5
268	0.1576	1.57E-03	2.5E-04	1.05E-03	2.59E-07	6.00E-02	1.57E-01	2.45E-09	1.0E+06	2.4E-03	5
269	0.12976	1.57E-03	2.0E-04	1.05E-03	2.14E-07	6.00E-02	1.57E-01	2.01E-09	1.0E+06	2.0E-03	5
270	0.1079	1.57E-03	1.7E-04	1.05E-03	1.78E-07	6.00E-02	1.57E-01	1.67E-09	1.0E+06	1.7E-03	5
271	0.024	1.57E-03	3.8E-05	1.05E-03	3.95E-08	6.00E-02	1.57E-01	3.73E-10	1.0E+06	3.7E-04	5
272	0.02857	1.57E-03	4.5E-05	1.05E-03	4.70E-08	6.00E-02	1.57E-01	4.43E-10	1.0E+06	4.4E-04	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
273	0.03462	1.57E-03	5.5E-05	1.05E-03	5.70E-08	6.00E-02	1.57E-01	5.37E-10	1.0E+06	5.4E-04	5
274	0.04257	1.57E-03	6.7E-05	1.05E-03	7.01E-08	6.00E-02	1.57E-01	6.61E-10	1.0E+06	6.6E-04	5
275	0.05294	1.57E-03	8.3E-05	1.05E-03	8.71E-08	6.00E-02	1.57E-01	8.22E-10	1.0E+06	8.2E-04	5
276	0.06642	1.57E-03	1.0E-04	1.05E-03	1.09E-07	6.00E-02	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5
277	0.08343	1.57E-03	1.3E-04	1.05E-03	1.37E-07	6.00E-02	1.57E-01	1.29E-09	1.0E+06	1.3E-03	5
278	0.10395	1.57E-03	1.6E-04	1.05E-03	1.71E-07	6.00E-02	1.57E-01	1.61E-09	1.0E+06	1.6E-03	5
279	0.12815	1.57E-03	2.0E-04	1.05E-03	2.11E-07	6.00E-02	1.57E-01	1.99E-09	1.0E+06	2.0E-03	5
280	0.15531	1.57E-03	2.4E-04	1.05E-03	2.56E-07	6.00E-02	1.57E-01	2.41E-09	1.0E+06	2.4E-03	5
281	0.18524	1.57E-03	2.9E-04	1.05E-03	3.05E-07	6.00E-02	1.57E-01	2.88E-09	1.0E+06	2.9E-03	5
282	0.21458	1.57E-03	3.4E-04	1.05E-03	3.53E-07	6.00E-02	1.57E-01	3.33E-09	1.0E+06	3.3E-03	5
283	0.23683	1.57E-03	3.7E-04	1.05E-03	3.90E-07	6.00E-02	1.57E-01	3.68E-09	1.0E+06	3.7E-03	5
284	0.24438	1.57E-03	3.8E-04	1.05E-03	4.02E-07	6.00E-02	1.57E-01	3.79E-09	1.0E+06	3.8E-03	5
285	0.24228	1.57E-03	3.8E-04	1.05E-03	3.99E-07	6.00E-02	1.57E-01	3.76E-09	1.0E+06	3.8E-03	5
286	0.2275	1.57E-03	3.6E-04	1.05E-03	3.75E-07	6.00E-02	1.57E-01	3.53E-09	1.0E+06	3.5E-03	5
287	0.20535	1.57E-03	3.2E-04	1.05E-03	3.38E-07	6.00E-02	1.57E-01	3.19E-09	1.0E+06	3.2E-03	5
288	0.18088	1.57E-03	2.8E-04	1.05E-03	2.98E-07	6.00E-02	1.57E-01	2.81E-09	1.0E+06	2.8E-03	5
289	0.15656	1.57E-03	2.5E-04	1.05E-03	2.58E-07	6.00E-02	1.57E-01	2.43E-09	1.0E+06	2.4E-03	5
290	0.13505	1.57E-03	2.1E-04	1.05E-03	2.22E-07	6.00E-02	1.57E-01	2.10E-09	1.0E+06	2.1E-03	5
291	0.11583	1.57E-03	1.8E-04	1.05E-03	1.91E-07	6.00E-02	1.57E-01	1.80E-09	1.0E+06	1.8E-03	5
292	0.09962	1.57E-03	1.6E-04	1.05E-03	1.64E-07	6.00E-02	1.57E-01	1.55E-09	1.0E+06	1.5E-03	5
293	0.02265	1.57E-03	3.6E-05	1.05E-03	3.73E-08	6.00E-02	1.57E-01	3.52E-10	1.0E+06	3.5E-04	5
294	0.02634	1.57E-03	4.1E-05	1.05E-03	4.34E-08	6.00E-02	1.57E-01	4.09E-10	1.0E+06	4.1E-04	5
295	0.03091	1.57E-03	4.9E-05	1.05E-03	5.09E-08	6.00E-02	1.57E-01	4.80E-10	1.0E+06	4.8E-04	5
296	0.03651	1.57E-03	5.8E-05	1.05E-03	6.01E-08	6.00E-02	1.57E-01	5.67E-10	1.0E+06	5.7E-04	5
297	0.04345	1.57E-03	6.8E-05	1.05E-03	7.15E-08	6.00E-02	1.57E-01	6.74E-10	1.0E+06	6.7E-04	5
298	0.05188	1.57E-03	8.2E-05	1.05E-03	8.54E-08	6.00E-02	1.57E-01	8.05E-10	1.0E+06	8.1E-04	5
299	0.06211	1.57E-03	9.8E-05	1.05E-03	1.02E-07	6.00E-02	1.57E-01	9.64E-10	1.0E+06	9.6E-04	5
300	0.07428	1.57E-03	1.2E-04	1.05E-03	1.22E-07	6.00E-02	1.57E-01	1.15E-09	1.0E+06	1.2E-03	5
301	0.08731	1.57E-03	1.4E-04	1.05E-03	1.44E-07	6.00E-02	1.57E-01	1.36E-09	1.0E+06	1.4E-03	5
302	0.10189	1.57E-03	1.6E-04	1.05E-03	1.68E-07	6.00E-02	1.57E-01	1.58E-09	1.0E+06	1.6E-03	5
303	0.11694	1.57E-03	1.8E-04	1.05E-03	1.93E-07	6.00E-02	1.57E-01	1.82E-09	1.0E+06	1.8E-03	5
304	0.13182	1.57E-03	2.1E-04	1.05E-03	2.17E-07	6.00E-02	1.57E-01	2.05E-09	1.0E+06	2.0E-03	5
305	0.14328	1.57E-03	2.3E-04	1.05E-03	2.36E-07	6.00E-02	1.57E-01	2.22E-09	1.0E+06	2.2E-03	5
306	0.14962	1.57E-03	2.4E-04	1.05E-03	2.46E-07	6.00E-02	1.57E-01	2.32E-09	1.0E+06	2.3E-03	5
307	0.152	1.57E-03	2.4E-04	1.05E-03	2.50E-07	6.00E-02	1.57E-01	2.36E-09	1.0E+06	2.4E-03	5
308	0.14951	1.57E-03	2.4E-04	1.05E-03	2.46E-07	6.00E-02	1.57E-01	2.32E-09	1.0E+06	2.3E-03	5
309	0.14425	1.57E-03	2.3E-04	1.05E-03	2.37E-07	6.00E-02	1.57E-01	2.24E-09	1.0E+06	2.2E-03	5
310	0.13414	1.57E-03	2.1E-04	1.05E-03	2.21E-07	6.00E-02	1.57E-01	2.08E-09	1.0E+06	2.1E-03	5
311	0.12259	1.57E-03	1.9E-04	1.05E-03	2.02E-07	6.00E-02	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5
312	0.11084	1.57E-03	1.7E-04	1.05E-03	1.82E-07	6.00E-02	1.57E-01	1.72E-09	1.0E+06	1.7E-03	5
313	0.09894	1.57E-03	1.6E-04	1.05E-03	1.63E-07	6.00E-02	1.57E-01	1.54E-09	1.0E+06	1.5E-03	5
314	0.08795	1.57E-03	1.4E-04	1.05E-03	1.45E-07	6.00E-02	1.57E-01	1.37E-09	1.0E+06	1.4E-03	5
315	0.0212	1.57E-03	3.3E-05	1.05E-03	3.49E-08	6.00E-02	1.57E-01	3.29E-10	1.0E+06	3.3E-04	5
316	0.02412	1.57E-03	3.8E-05	1.05E-03	3.97E-08	6.00E-02	1.57E-01	3.74E-10	1.0E+06	3.7E-04	5
317	0.02756	1.57E-03	4.3E-05	1.05E-03	4.54E-08	6.00E-02	1.57E-01	4.28E-10	1.0E+06	4.3E-04	5
318	0.03158	1.57E-03	5.0E-05	1.05E-03	5.20E-08	6.00E-02	1.57E-01	4.90E-10	1.0E+06	4.9E-04	5
319	0.03626	1.57E-03	5.7E-05	1.05E-03	5.97E-08	6.00E-02	1.57E-01	5.63E-10	1.0E+06	5.6E-04	5
320	0.04201	1.57E-03	6.6E-05	1.05E-03	6.92E-08	6.00E-02	1.57E-01	6.52E-10	1.0E+06	6.5E-04	5
321	0.04848	1.57E-03	7.6E-05	1.05E-03	7.98E-08	6.00E-02	1.57E-01	7.52E-10	1.0E+06	7.5E-04	5
322	0.05585	1.57E-03	8.8E-05	1.05E-03	9.19E-08	6.00E-02	1.57E-01	8.67E-10	1.0E+06	8.7E-04	5
323	0.06392	1.57E-03	1.0E-04	1.05E-03	1.05E-07	6.00E-02	1.57E-01	9.92E-10	1.0E+06	9.9E-04	5
324	0.07224	1.57E-03	1.1E-04	1.05E-03	1.19E-07	6.00E-02	1.57E-01	1.12E-09	1.0E+06	1.1E-03	5
325	0.08079	1.57E-03	1.3E-04	1.05E-03	1.33E-07	6.00E-02	1.57E-01	1.25E-09	1.0E+06	1.3E-03	5
326	0.08923	1.57E-03	1.4E-04	1.05E-03	1.47E-07	6.00E-02	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5
327	0.09775	1.57E-03	1.5E-04	1.05E-03	1.61E-07	6.00E-02	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5
328	0.10056	1.57E-03	1.6E-04	1.05E-03	1.66E-07	6.00E-02	1.57E-01	1.56E-09	1.0E+06	1.6E-03	5
329	0.10323	1.57E-03	1.6E-04	1.05E-03	1.70E-07	6.00E-02	1.57E-01	1.60E-09	1.0E+06	1.6E-03	5
330	0.10406	1.57E-03	1.6E-04	1.05E-03	1.71E-07	6.00E-02	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5
331	0.10287	1.57E-03	1.6E-04	1.05E-03	1.69E-07	6.00E-02	1.57E-01	1.60E-09	1.0E+06	1.6E-03	5
332	0.09973	1.57E-03	1.6E-04	1.05E-03	1.64E-07	6.00E-02	1.57E-01	1.55E-09	1.0E+06	1.5E-03	5
333	0.09463	1.57E-03	1.5E-04	1.05E-03	1.56E-07	6.00E-02	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5
334	0.08888	1.57E-03	1.4E-04	1.05E-03	1.46E-07	6.00E-02	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5
335	0.08226	1.57E-03	1.3E-04	1.05E-03	1.35E-07	6.00E-02	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5
336	0.07547	1.57E-03	1.2E-04	1.05E-03	1.24E-07	6.00E-02	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5
337	0.01978	1.57E-03	3.1E-05	1.05E-03	3.26E-08	6.00E-02	1.57E-01	3.07E-10	1.0E+06	3.1E-04	5
338	0.02207	1.57E-03	3.5E-05	1.05E-03	3.63E-08	6.00E-02	1.57E-01	3.43E-10	1.0E+06	3.4E-04	5
339	0.02464	1.57E-03	3.9E-05	1.05E-03	4.06E-08	6.00E-02	1.57E-01	3.82E-10	1.0E+06	3.8E-04	5
340	0.02761	1.57E-03	4.3E-05	1.05E-03	4.55E-08	6.00E-02	1.57E-01	4.29E-10	1.0E+06	4.3E-04	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
341	0.03095	1.57E-03	4.9E-05	1.05E-03	5.09E-08	6.00E-02	1.57E-01	4.80E-10	1.0E+06	4.8E-04	5
342	0.0349	1.57E-03	5.5E-05	1.05E-03	5.75E-08	6.00E-02	1.57E-01	5.42E-10	1.0E+06	5.4E-04	5
343	0.03919	1.57E-03	6.2E-05	1.05E-03	6.45E-08	6.00E-02	1.57E-01	6.08E-10	1.0E+06	6.1E-04	5
344	0.04397	1.57E-03	6.9E-05	1.05E-03	7.24E-08	6.00E-02	1.57E-01	6.82E-10	1.0E+06	6.8E-04	5
345	0.04905	1.57E-03	7.7E-05	1.05E-03	8.07E-08	6.00E-02	1.57E-01	7.61E-10	1.0E+06	7.6E-04	5
346	0.05441	1.57E-03	8.6E-05	1.05E-03	8.96E-08	6.00E-02	1.57E-01	8.44E-10	1.0E+06	8.4E-04	5
347	0.05965	1.57E-03	9.4E-05	1.05E-03	9.82E-08	6.00E-02	1.57E-01	9.26E-10	1.0E+06	9.3E-04	5
348	0.0648	1.57E-03	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5
349	0.06869	1.57E-03	1.1E-04	1.05E-03	1.13E-07	6.00E-02	1.57E-01	1.07E-09	1.0E+06	1.1E-03	5
350	0.07216	1.57E-03	1.1E-04	1.05E-03	1.19E-07	6.00E-02	1.57E-01	1.12E-09	1.0E+06	1.1E-03	5
351	0.0746	1.57E-03	1.2E-04	1.05E-03	1.23E-07	6.00E-02	1.57E-01	1.16E-09	1.0E+06	1.2E-03	5
352	0.07569	1.57E-03	1.2E-04	1.05E-03	1.25E-07	6.00E-02	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5
353	0.07629	1.57E-03	1.2E-04	1.05E-03	1.26E-07	6.00E-02	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5
354	0.07544	1.57E-03	1.2E-04	1.05E-03	1.24E-07	6.00E-02	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5
355	0.07372	1.57E-03	1.2E-04	1.05E-03	1.21E-07	6.00E-02	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5
356	0.07108	1.57E-03	1.1E-04	1.05E-03	1.17E-07	6.00E-02	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5
357	0.0676	1.57E-03	1.1E-04	1.05E-03	1.11E-07	6.00E-02	1.57E-01	1.05E-09	1.0E+06	1.0E-03	5
358	0.06366	1.57E-03	1.0E-04	1.05E-03	1.05E-07	6.00E-02	1.57E-01	9.88E-10	1.0E+06	9.9E-04	5
359	0.01838	1.57E-03	2.9E-05	1.05E-03	3.03E-08	6.00E-02	1.57E-01	2.85E-10	1.0E+06	2.9E-04	5
360	0.02018	1.57E-03	3.2E-05	1.05E-03	3.32E-08	6.00E-02	1.57E-01	3.13E-10	1.0E+06	3.1E-04	5
361	0.02215	1.57E-03	3.5E-05	1.05E-03	3.65E-08	6.00E-02	1.57E-01	3.44E-10	1.0E+06	3.4E-04	5
362	0.02434	1.57E-03	3.8E-05	1.05E-03	4.01E-08	6.00E-02	1.57E-01	3.78E-10	1.0E+06	3.8E-04	5
363	0.02676	1.57E-03	4.2E-05	1.05E-03	4.41E-08	6.00E-02	1.57E-01	4.15E-10	1.0E+06	4.2E-04	5
364	0.02952	1.57E-03	4.6E-05	1.05E-03	4.86E-08	6.00E-02	1.57E-01	4.58E-10	1.0E+06	4.6E-04	5
365	0.03254	1.57E-03	5.1E-05	1.05E-03	5.36E-08	6.00E-02	1.57E-01	5.05E-10	1.0E+06	5.1E-04	5
366	0.0358	1.57E-03	5.6E-05	1.05E-03	5.89E-08	6.00E-02	1.57E-01	5.56E-10	1.0E+06	5.6E-04	5
367	0.0393	1.57E-03	6.2E-05	1.05E-03	6.47E-08	6.00E-02	1.57E-01	6.10E-10	1.0E+06	6.1E-04	5
368	0.04282	1.57E-03	6.7E-05	1.05E-03	7.05E-08	6.00E-02	1.57E-01	6.65E-10	1.0E+06	6.6E-04	5
369	0.04625	1.57E-03	7.3E-05	1.05E-03	7.61E-08	6.00E-02	1.57E-01	7.18E-10	1.0E+06	7.2E-04	5
370	0.04946	1.57E-03	7.8E-05	1.05E-03	8.14E-08	6.00E-02	1.57E-01	7.68E-10	1.0E+06	7.7E-04	5
371	0.05247	1.57E-03	8.3E-05	1.05E-03	8.64E-08	6.00E-02	1.57E-01	8.14E-10	1.0E+06	8.1E-04	5
372	0.05492	1.57E-03	8.6E-05	1.05E-03	9.04E-08	6.00E-02	1.57E-01	8.52E-10	1.0E+06	8.5E-04	5
373	0.05664	1.57E-03	8.9E-05	1.05E-03	9.32E-08	6.00E-02	1.57E-01	8.79E-10	1.0E+06	8.8E-04	5
374	0.05774	1.57E-03	9.1E-05	1.05E-03	9.50E-08	6.00E-02	1.57E-01	8.96E-10	1.0E+06	9.0E-04	5
375	0.05858	1.57E-03	9.2E-05	1.05E-03	9.64E-08	6.00E-02	1.57E-01	9.09E-10	1.0E+06	9.1E-04	5
376	0.05867	1.57E-03	9.2E-05	1.05E-03	9.66E-08	6.00E-02	1.57E-01	9.11E-10	1.0E+06	9.1E-04	5
377	0.05825	1.57E-03	9.2E-05	1.05E-03	9.59E-08	6.00E-02	1.57E-01	9.04E-10	1.0E+06	9.0E-04	5
378	0.05741	1.57E-03	9.0E-05	1.05E-03	9.45E-08	6.00E-02	1.57E-01	8.91E-10	1.0E+06	8.9E-04	5
379	0.05579	1.57E-03	8.8E-05	1.05E-03	9.18E-08	6.00E-02	1.57E-01	8.66E-10	1.0E+06	8.7E-04	5
380	0.05355	1.57E-03	8.4E-05	1.05E-03	8.82E-08	6.00E-02	1.57E-01	8.31E-10	1.0E+06	8.3E-04	5
381	0.02253	1.57E-03	3.5E-05	1.05E-03	3.71E-08	6.00E-02	1.57E-01	3.50E-10	1.0E+06	3.5E-04	5
382	0.02599	1.57E-03	4.1E-05	1.05E-03	4.28E-08	6.00E-02	1.57E-01	4.03E-10	1.0E+06	4.0E-04	5
383	0.03011	1.57E-03	4.7E-05	1.05E-03	4.96E-08	6.00E-02	1.57E-01	4.67E-10	1.0E+06	4.7E-04	5
384	0.03483	1.57E-03	5.5E-05	1.05E-03	5.73E-08	6.00E-02	1.57E-01	5.41E-10	1.0E+06	5.4E-04	5
385	0.03991	1.57E-03	6.3E-05	1.05E-03	6.57E-08	6.00E-02	1.57E-01	6.19E-10	1.0E+06	6.2E-04	5
386	0.04497	1.57E-03	7.1E-05	1.05E-03	7.40E-08	6.00E-02	1.57E-01	6.98E-10	1.0E+06	7.0E-04	5
387	0.04947	1.57E-03	7.8E-05	1.05E-03	8.14E-08	6.00E-02	1.57E-01	7.68E-10	1.0E+06	7.7E-04	5
388	0.05286	1.57E-03	8.3E-05	1.05E-03	8.70E-08	6.00E-02	1.57E-01	8.20E-10	1.0E+06	8.2E-04	5
389	0.05477	1.57E-03	8.6E-05	1.05E-03	9.02E-08	6.00E-02	1.57E-01	8.50E-10	1.0E+06	8.5E-04	5
390	0.05498	1.57E-03	8.7E-05	1.05E-03	9.05E-08	6.00E-02	1.57E-01	8.53E-10	1.0E+06	8.5E-04	5
391	0.05344	1.57E-03	8.4E-05	1.05E-03	8.80E-08	6.00E-02	1.57E-01	8.29E-10	1.0E+06	8.3E-04	5
392	0.0503	1.57E-03	7.9E-05	1.05E-03	8.28E-08	6.00E-02	1.57E-01	7.81E-10	1.0E+06	7.8E-04	5
393	0.04596	1.57E-03	7.2E-05	1.05E-03	7.57E-08	6.00E-02	1.57E-01	7.13E-10	1.0E+06	7.1E-04	5
394	0.04096	1.57E-03	6.5E-05	1.05E-03	6.74E-08	6.00E-02	1.57E-01	6.36E-10	1.0E+06	6.4E-04	5
395	0.03596	1.57E-03	5.7E-05	1.05E-03	5.92E-08	6.00E-02	1.57E-01	5.58E-10	1.0E+06	5.6E-04	5
396	0.03142	1.57E-03	4.9E-05	1.05E-03	5.17E-08	6.00E-02	1.57E-01	4.88E-10	1.0E+06	4.9E-04	5
397	0.02755	1.57E-03	4.3E-05	1.05E-03	4.54E-08	6.00E-02	1.57E-01	4.28E-10	1.0E+06	4.3E-04	5
398	0.02439	1.57E-03	3.8E-05	1.05E-03	4.02E-08	6.00E-02	1.57E-01	3.79E-10	1.0E+06	3.8E-04	5
399	0.02578	1.57E-03	4.1E-05	1.05E-03	4.24E-08	6.00E-02	1.57E-01	4.00E-10	1.0E+06	4.0E-04	5
400	0.0307	1.57E-03	4.8E-05	1.05E-03	5.05E-08	6.00E-02	1.57E-01	4.76E-10	1.0E+06	4.8E-04	5
401	0.03693	1.57E-03	5.8E-05	1.05E-03	6.08E-08	6.00E-02	1.57E-01	5.73E-10	1.0E+06	5.7E-04	5
402	0.04461	1.57E-03	7.0E-05	1.05E-03	7.34E-08	6.00E-02	1.57E-01	6.92E-10	1.0E+06	6.9E-04	5
403	0.05344	1.57E-03	8.4E-05	1.05E-03	8.80E-08	6.00E-02	1.57E-01	8.29E-10	1.0E+06	8.3E-04	5
404	0.06254	1.57E-03	9.8E-05	1.05E-03	1.03E-07	6.00E-02	1.57E-01	9.71E-10	1.0E+06	9.7E-04	5
405	0.07072	1.57E-03	1.1E-04	1.05E-03	1.16E-07	6.00E-02	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5
406	0.0769	1.57E-03	1.2E-04	1.05E-03	1.27E-07	6.00E-02	1.57E-01	1.19E-09	1.0E+06	1.2E-03	5
407	0.08045	1.57E-03	1.3E-04	1.05E-03	1.32E-07	6.00E-02	1.57E-01	1.25E-09	1.0E+06	1.2E-03	5
408	0.08098	1.57E-03	1.3E-04	1.05E-03	1.33E-07	6.00E-02	1.57E-01	1.26E-09	1.0E+06	1.3E-03	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
409	0.07837	1.57E-03	1.2E-04	1.05E-03	1.29E-07	6.00E-02	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5
410	0.07278	1.57E-03	1.1E-04	1.05E-03	1.20E-07	6.00E-02	1.57E-01	1.13E-09	1.0E+06	1.1E-03	5
411	0.06487	1.57E-03	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5
412	0.05595	1.57E-03	8.8E-05	1.05E-03	9.21E-08	6.00E-02	1.57E-01	8.68E-10	1.0E+06	8.7E-04	5
413	0.04746	1.57E-03	7.5E-05	1.05E-03	7.81E-08	6.00E-02	1.57E-01	7.37E-10	1.0E+06	7.4E-04	5
414	0.04023	1.57E-03	6.3E-05	1.05E-03	6.62E-08	6.00E-02	1.57E-01	6.24E-10	1.0E+06	6.2E-04	5
415	0.03449	1.57E-03	5.4E-05	1.05E-03	5.68E-08	6.00E-02	1.57E-01	5.35E-10	1.0E+06	5.4E-04	5
416	0.03005	1.57E-03	4.7E-05	1.05E-03	4.95E-08	6.00E-02	1.57E-01	4.66E-10	1.0E+06	4.7E-04	5
417	0.02937	1.57E-03	4.6E-05	1.05E-03	4.83E-08	6.00E-02	1.57E-01	4.56E-10	1.0E+06	4.6E-04	5
418	0.0364	1.57E-03	5.7E-05	1.05E-03	5.99E-08	6.00E-02	1.57E-01	5.65E-10	1.0E+06	5.6E-04	5
419	0.04611	1.57E-03	7.3E-05	1.05E-03	7.59E-08	6.00E-02	1.57E-01	7.16E-10	1.0E+06	7.2E-04	5
420	0.05935	1.57E-03	9.3E-05	1.05E-03	9.77E-08	6.00E-02	1.57E-01	9.21E-10	1.0E+06	9.2E-04	5
421	0.07596	1.57E-03	1.2E-04	1.05E-03	1.25E-07	6.00E-02	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5
422	0.09402	1.57E-03	1.5E-04	1.05E-03	1.55E-07	6.00E-02	1.57E-01	1.46E-09	1.0E+06	1.5E-03	5
423	0.11027	1.57E-03	1.7E-04	1.05E-03	1.82E-07	6.00E-02	1.57E-01	1.71E-09	1.0E+06	1.7E-03	5
424	0.12235	1.57E-03	1.9E-04	1.05E-03	2.01E-07	6.00E-02	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5
425	0.1296	1.57E-03	2.0E-04	1.05E-03	2.13E-07	6.00E-02	1.57E-01	2.01E-09	1.0E+06	2.0E-03	5
426	0.13138	1.57E-03	2.1E-04	1.05E-03	2.16E-07	6.00E-02	1.57E-01	2.04E-09	1.0E+06	2.0E-03	5
427	0.1271	1.57E-03	2.0E-04	1.05E-03	2.09E-07	6.00E-02	1.57E-01	1.97E-09	1.0E+06	2.0E-03	5
428	0.11634	1.57E-03	1.8E-04	1.05E-03	1.92E-07	6.00E-02	1.57E-01	1.81E-09	1.0E+06	1.8E-03	5
429	0.10035	1.57E-03	1.6E-04	1.05E-03	1.65E-07	6.00E-02	1.57E-01	1.56E-09	1.0E+06	1.6E-03	5
430	0.08254	1.57E-03	1.3E-04	1.05E-03	1.36E-07	6.00E-02	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5
431	0.06669	1.57E-03	1.1E-04	1.05E-03	1.10E-07	6.00E-02	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5
432	0.05447	1.57E-03	8.6E-05	1.05E-03	8.97E-08	6.00E-02	1.57E-01	8.45E-10	1.0E+06	8.5E-04	5
433	0.04551	1.57E-03	7.2E-05	1.05E-03	7.49E-08	6.00E-02	1.57E-01	7.06E-10	1.0E+06	7.1E-04	5
434	0.03897	1.57E-03	6.1E-05	1.05E-03	6.42E-08	6.00E-02	1.57E-01	6.05E-10	1.0E+06	6.0E-04	5
435	0.03292	1.57E-03	5.2E-05	1.05E-03	5.42E-08	6.00E-02	1.57E-01	5.11E-10	1.0E+06	5.1E-04	5
436	0.04278	1.57E-03	6.7E-05	1.05E-03	7.04E-08	6.00E-02	1.57E-01	6.64E-10	1.0E+06	6.6E-04	5
437	0.05819	1.57E-03	9.2E-05	1.05E-03	9.58E-08	6.00E-02	1.57E-01	9.03E-10	1.0E+06	9.0E-04	5
438	0.08234	1.57E-03	1.3E-04	1.05E-03	1.36E-07	6.00E-02	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5
439	0.11798	1.57E-03	1.9E-04	1.05E-03	1.94E-07	6.00E-02	1.57E-01	1.83E-09	1.0E+06	1.8E-03	5
440	0.16126	1.57E-03	2.5E-04	1.05E-03	2.65E-07	6.00E-02	1.57E-01	2.50E-09	1.0E+06	2.5E-03	5
441	0.19877	1.57E-03	3.1E-04	1.05E-03	3.27E-07	6.00E-02	1.57E-01	3.09E-09	1.0E+06	3.1E-03	5
442	0.22434	1.57E-03	3.5E-04	1.05E-03	3.69E-07	6.00E-02	1.57E-01	3.48E-09	1.0E+06	3.5E-03	5
443	0.24083	1.57E-03	3.8E-04	1.05E-03	3.96E-07	6.00E-02	1.57E-01	3.74E-09	1.0E+06	3.7E-03	5
444	0.24807	1.57E-03	3.9E-04	1.05E-03	4.08E-07	6.00E-02	1.57E-01	3.85E-09	1.0E+06	3.9E-03	5
445	0.24147	1.57E-03	3.8E-04	1.05E-03	3.98E-07	6.00E-02	1.57E-01	3.75E-09	1.0E+06	3.7E-03	5
446	0.21912	1.57E-03	3.5E-04	1.05E-03	3.61E-07	6.00E-02	1.57E-01	3.40E-09	1.0E+06	3.4E-03	5
447	0.18022	1.57E-03	2.8E-04	1.05E-03	2.97E-07	6.00E-02	1.57E-01	2.80E-09	1.0E+06	2.8E-03	5
448	0.13666	1.57E-03	2.2E-04	1.05E-03	2.25E-07	6.00E-02	1.57E-01	2.12E-09	1.0E+06	2.1E-03	5
449	0.10262	1.57E-03	1.6E-04	1.05E-03	1.69E-07	6.00E-02	1.57E-01	1.59E-09	1.0E+06	1.6E-03	5
450	0.07989	1.57E-03	1.3E-04	1.05E-03	1.32E-07	6.00E-02	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5
451	0.06471	1.57E-03	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5
452	0.05388	1.57E-03	8.5E-05	1.05E-03	8.87E-08	6.00E-02	1.57E-01	8.36E-10	1.0E+06	8.4E-04	5
453	0.03603	1.57E-03	5.7E-05	1.05E-03	5.93E-08	6.00E-02	1.57E-01	5.59E-10	1.0E+06	5.6E-04	5
454	0.04899	1.57E-03	7.7E-05	1.05E-03	8.06E-08	6.00E-02	1.57E-01	7.60E-10	1.0E+06	7.6E-04	5
455	0.07223	1.57E-03	1.1E-04	1.05E-03	1.19E-07	6.00E-02	1.57E-01	1.12E-09	1.0E+06	1.1E-03	5
456	0.11701	1.57E-03	1.8E-04	1.05E-03	1.93E-07	6.00E-02	1.57E-01	1.82E-09	1.0E+06	1.8E-03	5
457	0.2127	1.57E-03	3.3E-04	1.05E-03	3.50E-07	6.00E-02	1.57E-01	3.30E-09	1.0E+06	3.3E-03	5
458	0.37369	1.57E-03	5.9E-04	1.05E-03	6.15E-07	6.00E-02	1.57E-01	5.80E-09	1.0E+06	5.8E-03	5
459	0.48978	1.57E-03	7.7E-04	1.05E-03	8.06E-07	6.00E-02	1.57E-01	7.60E-09	1.0E+06	7.6E-03	5
460	0.55097	1.57E-03	8.7E-04	1.05E-03	9.07E-07	6.00E-02	1.57E-01	8.55E-09	1.0E+06	8.6E-03	5
461	0.59804	1.57E-03	9.4E-04	1.05E-03	9.84E-07	6.00E-02	1.57E-01	9.28E-09	1.0E+06	9.3E-03	5
462	0.63882	1.57E-03	1.0E-03	1.05E-03	1.05E-06	6.00E-02	1.57E-01	9.92E-09	1.0E+06	9.9E-03	5
463	0.6226	1.57E-03	9.8E-04	1.05E-03	1.02E-06	6.00E-02	1.57E-01	9.66E-09	1.0E+06	9.7E-03	5
464	0.57784	1.57E-03	9.1E-04	1.05E-03	9.51E-07	6.00E-02	1.57E-01	8.97E-09	1.0E+06	9.0E-03	5
465	0.43858	1.57E-03	6.9E-04	1.05E-03	7.22E-07	6.00E-02	1.57E-01	6.81E-09	1.0E+06	6.8E-03	5
466	0.274	1.57E-03	4.3E-04	1.05E-03	4.51E-07	6.00E-02	1.57E-01	4.25E-09	1.0E+06	4.3E-03	5
467	0.18051	1.57E-03	2.8E-04	1.05E-03	2.97E-07	6.00E-02	1.57E-01	2.80E-09	1.0E+06	2.8E-03	5
468	0.12984	1.57E-03	2.0E-04	1.05E-03	2.14E-07	6.00E-02	1.57E-01	2.02E-09	1.0E+06	2.0E-03	5
469	0.09899	1.57E-03	1.6E-04	1.05E-03	1.63E-07	6.00E-02	1.57E-01	1.54E-09	1.0E+06	1.5E-03	5
470	0.07854	1.57E-03	1.2E-04	1.05E-03	1.29E-07	6.00E-02	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5
471	0.03816	1.57E-03	6.0E-05	1.05E-03	6.28E-08	6.00E-02	1.57E-01	5.92E-10	1.0E+06	5.9E-04	5
472	0.05389	1.57E-03	8.5E-05	1.05E-03	8.87E-08	6.00E-02	1.57E-01	8.36E-10	1.0E+06	8.4E-04	5
473	0.08442	1.57E-03	1.3E-04	1.05E-03	1.39E-07	6.00E-02	1.57E-01	1.31E-09	1.0E+06	1.3E-03	5
474	0.15668	1.57E-03	2.5E-04	1.05E-03	2.58E-07	6.00E-02	1.57E-01	2.43E-09	1.0E+06	2.4E-03	5
475	0.43093	1.57E-03	6.8E-04	1.05E-03	7.09E-07	6.00E-02	1.57E-01	6.69E-09	1.0E+06	6.7E-03	5
476	0.71106	1.57E-03	1.1E-03	1.05E-03	1.17E-06	6.00E-02	1.57E-01	1.10E-08	1.0E+06	1.1E-02	5

9th and Vineyard
SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
477	0.35026	1.57E-03	5.5E-04	1.05E-03	5.77E-07	6.00E-02	1.57E-01	5.44E-09	1.0E+06	5.4E-03	5
478	0.21915	1.57E-03	3.5E-04	1.05E-03	3.61E-07	6.00E-02	1.57E-01	3.40E-09	1.0E+06	3.4E-03	5
479	0.15338	1.57E-03	2.4E-04	1.05E-03	2.52E-07	6.00E-02	1.57E-01	2.38E-09	1.0E+06	2.4E-03	5
480	0.11466	1.57E-03	1.8E-04	1.05E-03	1.89E-07	6.00E-02	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5
481	0.03927	1.57E-03	6.2E-05	1.05E-03	6.46E-08	6.00E-02	1.57E-01	6.10E-10	1.0E+06	6.1E-04	5
482	0.05613	1.57E-03	8.8E-05	1.05E-03	9.24E-08	6.00E-02	1.57E-01	8.71E-10	1.0E+06	8.7E-04	5
483	0.08932	1.57E-03	1.4E-04	1.05E-03	1.47E-07	6.00E-02	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5
484	0.17498	1.57E-03	2.8E-04	1.05E-03	2.88E-07	6.00E-02	1.57E-01	2.72E-09	1.0E+06	2.7E-03	5
485	0.568	1.57E-03	8.9E-04	1.05E-03	9.35E-07	6.00E-02	1.57E-01	8.82E-09	1.0E+06	8.8E-03	5
486	1.18579	1.57E-03	1.9E-03	1.05E-03	1.95E-06	6.00E-02	1.57E-01	1.84E-08	1.0E+06	1.8E-02	5
487	0.55103	1.57E-03	8.7E-04	1.05E-03	9.07E-07	6.00E-02	1.57E-01	8.55E-09	1.0E+06	8.6E-03	5
488	0.32582	1.57E-03	5.1E-04	1.05E-03	5.36E-07	6.00E-02	1.57E-01	5.06E-09	1.0E+06	5.1E-03	5
489	0.21679	1.57E-03	3.4E-04	1.05E-03	3.57E-07	6.00E-02	1.57E-01	3.36E-09	1.0E+06	3.4E-03	5
490	0.1558	1.57E-03	2.5E-04	1.05E-03	2.56E-07	6.00E-02	1.57E-01	2.42E-09	1.0E+06	2.4E-03	5
491	0.0391	1.57E-03	6.2E-05	1.05E-03	6.44E-08	6.00E-02	1.57E-01	6.07E-10	1.0E+06	6.1E-04	5
492	0.05503	1.57E-03	8.7E-05	1.05E-03	9.06E-08	6.00E-02	1.57E-01	8.54E-10	1.0E+06	8.5E-04	5
493	0.0853	1.57E-03	1.3E-04	1.05E-03	1.40E-07	6.00E-02	1.57E-01	1.32E-09	1.0E+06	1.3E-03	5
494	0.15688	1.57E-03	2.5E-04	1.05E-03	2.58E-07	6.00E-02	1.57E-01	2.43E-09	1.0E+06	2.4E-03	5
495	0.42029	1.57E-03	6.6E-04	1.05E-03	6.92E-07	6.00E-02	1.57E-01	6.52E-09	1.0E+06	6.5E-03	5
496	1.92949	1.57E-03	3.0E-03	1.05E-03	3.18E-06	6.00E-02	1.57E-01	2.99E-08	1.0E+06	3.0E-02	5
497	1.58185	1.57E-03	2.5E-03	1.05E-03	2.60E-06	6.00E-02	1.57E-01	2.46E-08	1.0E+06	2.5E-02	5
498	2.31241	1.57E-03	3.6E-03	1.05E-03	3.81E-06	6.00E-02	1.57E-01	3.59E-08	1.0E+06	3.6E-02	5
499	1.07166	1.57E-03	1.7E-03	1.05E-03	1.76E-06	6.00E-02	1.57E-01	1.66E-08	1.0E+06	1.7E-02	5
500	0.60701	1.57E-03	9.6E-04	1.05E-03	9.99E-07	6.00E-02	1.57E-01	9.42E-09	1.0E+06	9.4E-03	5
501	0.38215	1.57E-03	6.0E-04	1.05E-03	6.29E-07	6.00E-02	1.57E-01	5.93E-09	1.0E+06	5.9E-03	5
502	0.26017	1.57E-03	4.1E-04	1.05E-03	4.28E-07	6.00E-02	1.57E-01	4.04E-09	1.0E+06	4.0E-03	5
503	0.18756	1.57E-03	3.0E-04	1.05E-03	3.09E-07	6.00E-02	1.57E-01	2.91E-09	1.0E+06	2.9E-03	5
504	0.03784	1.57E-03	6.0E-05	1.05E-03	6.23E-08	6.00E-02	1.57E-01	5.87E-10	1.0E+06	5.9E-04	5
505	0.05134	1.57E-03	8.1E-05	1.05E-03	8.45E-08	6.00E-02	1.57E-01	7.97E-10	1.0E+06	8.0E-04	5
506	0.07532	1.57E-03	1.2E-04	1.05E-03	1.24E-07	6.00E-02	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5
507	0.11979	1.57E-03	1.9E-04	1.05E-03	1.97E-07	6.00E-02	1.57E-01	1.86E-09	1.0E+06	1.9E-03	5
508	0.2147	1.57E-03	3.4E-04	1.05E-03	3.53E-07	6.00E-02	1.57E-01	3.33E-09	1.0E+06	3.3E-03	5
509	0.38989	1.57E-03	6.1E-04	1.05E-03	6.42E-07	6.00E-02	1.57E-01	6.05E-09	1.0E+06	6.1E-03	5
510	0.58345	1.57E-03	9.2E-04	1.05E-03	9.60E-07	6.00E-02	1.57E-01	9.06E-09	1.0E+06	9.1E-03	5
511	0.68426	1.57E-03	1.1E-03	1.05E-03	1.13E-06	6.00E-02	1.57E-01	1.06E-08	1.0E+06	1.1E-02	5
512	0.85941	1.57E-03	1.4E-03	1.05E-03	1.41E-06	6.00E-02	1.57E-01	1.33E-08	1.0E+06	1.3E-02	5
513	2.77875	1.57E-03	4.4E-03	1.05E-03	4.57E-06	6.00E-02	1.57E-01	4.31E-08	1.0E+06	4.3E-02	5
514	3.51315	1.57E-03	5.5E-03	1.05E-03	5.78E-06	6.00E-02	1.57E-01	5.45E-08	1.0E+06	5.5E-02	5
515	2.88362	1.57E-03	4.5E-03	1.05E-03	4.75E-06	6.00E-02	1.57E-01	4.48E-08	1.0E+06	4.5E-02	5
516	1.29169	1.57E-03	2.0E-03	1.05E-03	2.13E-06	6.00E-02	1.57E-01	2.00E-08	1.0E+06	2.0E-02	5
517	0.78486	1.57E-03	1.2E-03	1.05E-03	1.29E-06	6.00E-02	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5
518	0.52381	1.57E-03	8.2E-04	1.05E-03	8.62E-07	6.00E-02	1.57E-01	8.13E-09	1.0E+06	8.1E-03	5
519	0.36546	1.57E-03	5.8E-04	1.05E-03	6.02E-07	6.00E-02	1.57E-01	5.67E-09	1.0E+06	5.7E-03	5
520	0.26438	1.57E-03	4.2E-04	1.05E-03	4.35E-07	6.00E-02	1.57E-01	4.10E-09	1.0E+06	4.1E-03	5
521	0.19772	1.57E-03	3.1E-04	1.05E-03	3.25E-07	6.00E-02	1.57E-01	3.07E-09	1.0E+06	3.1E-03	5
522	0.03561	1.57E-03	5.6E-05	1.05E-03	5.86E-08	6.00E-02	1.57E-01	5.53E-10	1.0E+06	5.5E-04	5
523	0.04649	1.57E-03	7.3E-05	1.05E-03	7.65E-08	6.00E-02	1.57E-01	7.22E-10	1.0E+06	7.2E-04	5
524	0.06309	1.57E-03	9.9E-05	1.05E-03	1.04E-07	6.00E-02	1.57E-01	9.79E-10	1.0E+06	9.8E-04	5
525	0.0886	1.57E-03	1.4E-04	1.05E-03	1.46E-07	6.00E-02	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5
526	0.12621	1.57E-03	2.0E-04	1.05E-03	2.08E-07	6.00E-02	1.57E-01	1.96E-09	1.0E+06	2.0E-03	5
527	0.18118	1.57E-03	2.9E-04	1.05E-03	2.98E-07	6.00E-02	1.57E-01	2.81E-09	1.0E+06	2.8E-03	5
528	0.2456	1.57E-03	3.9E-04	1.05E-03	4.04E-07	6.00E-02	1.57E-01	3.81E-09	1.0E+06	3.8E-03	5
529	0.31763	1.57E-03	5.0E-04	1.05E-03	5.23E-07	6.00E-02	1.57E-01	4.93E-09	1.0E+06	4.9E-03	5
530	0.41113	1.57E-03	6.5E-04	1.05E-03	6.77E-07	6.00E-02	1.57E-01	6.38E-09	1.0E+06	6.4E-03	5
531	0.55057	1.57E-03	8.7E-04	1.05E-03	9.06E-07	6.00E-02	1.57E-01	8.55E-09	1.0E+06	8.5E-03	5
532	0.69291	1.57E-03	1.1E-03	1.05E-03	1.14E-06	6.00E-02	1.57E-01	1.08E-08	1.0E+06	1.1E-02	5
533	0.7283	1.57E-03	1.1E-03	1.05E-03	1.20E-06	6.00E-02	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5
534	0.63288	1.57E-03	1.0E-03	1.05E-03	1.04E-06	6.00E-02	1.57E-01	9.82E-09	1.0E+06	9.8E-03	5
535	0.5023	1.57E-03	7.9E-04	1.05E-03	8.27E-07	6.00E-02	1.57E-01	7.80E-09	1.0E+06	7.8E-03	5
536	0.38917	1.57E-03	6.1E-04	1.05E-03	6.41E-07	6.00E-02	1.57E-01	6.04E-09	1.0E+06	6.0E-03	5
537	0.30186	1.57E-03	4.8E-04	1.05E-03	4.97E-07	6.00E-02	1.57E-01	4.69E-09	1.0E+06	4.7E-03	5
538	0.23547	1.57E-03	3.7E-04	1.05E-03	3.88E-07	6.00E-02	1.57E-01	3.65E-09	1.0E+06	3.7E-03	5
539	0.18607	1.57E-03	2.9E-04	1.05E-03	3.06E-07	6.00E-02	1.57E-01	2.89E-09	1.0E+06	2.9E-03	5
540	0.03286	1.57E-03	5.2E-05	1.05E-03	5.41E-08	6.00E-02	1.57E-01	5.10E-10	1.0E+06	5.1E-04	5
541	0.04101	1.57E-03	6.5E-05	1.05E-03	6.75E-08	6.00E-02	1.57E-01	6.37E-10	1.0E+06	6.4E-04	5
542	0.05215	1.57E-03	8.2E-05	1.05E-03	8.58E-08	6.00E-02	1.57E-01	8.09E-10	1.0E+06	8.1E-04	5
543	0.06716	1.57E-03	1.1E-04	1.05E-03	1.11E-07	6.00E-02	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5
544	0.08732	1.57E-03	1.4E-04	1.05E-03	1.44E-07	6.00E-02	1.57E-01	1.36E-09	1.0E+06	1.4E-03	5

9th and Vineyard

SLINE18 - Site Prep Risk

					Cancer Risk from Birth to 2 Years						
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL
545	0.11247	1.57E-03	1.8E-04	1.05E-03	1.85E-07	6.00E-02	1.57E-01	1.75E-09	1.0E+06	1.7E-03	5
546	0.14346	1.57E-03	2.3E-04	1.05E-03	2.36E-07	6.00E-02	1.57E-01	2.23E-09	1.0E+06	2.2E-03	5
547	0.17915	1.57E-03	2.8E-04	1.05E-03	2.95E-07	6.00E-02	1.57E-01	2.78E-09	1.0E+06	2.8E-03	5
548	0.22128	1.57E-03	3.5E-04	1.05E-03	3.64E-07	6.00E-02	1.57E-01	3.43E-09	1.0E+06	3.4E-03	5
549	0.26602	1.57E-03	4.2E-04	1.05E-03	4.38E-07	6.00E-02	1.57E-01	4.13E-09	1.0E+06	4.1E-03	5
550	0.30766	1.57E-03	4.8E-04	1.05E-03	5.06E-07	6.00E-02	1.57E-01	4.78E-09	1.0E+06	4.8E-03	5
551	0.3381	1.57E-03	5.3E-04	1.05E-03	5.57E-07	6.00E-02	1.57E-01	5.25E-09	1.0E+06	5.2E-03	5
552	0.32725	1.57E-03	5.2E-04	1.05E-03	5.39E-07	6.00E-02	1.57E-01	5.08E-09	1.0E+06	5.1E-03	5
553	0.3018	1.57E-03	4.8E-04	1.05E-03	4.97E-07	6.00E-02	1.57E-01	4.68E-09	1.0E+06	4.7E-03	5
554	0.26514	1.57E-03	4.2E-04	1.05E-03	4.36E-07	6.00E-02	1.57E-01	4.12E-09	1.0E+06	4.1E-03	5
555	0.22833	1.57E-03	3.6E-04	1.05E-03	3.76E-07	6.00E-02	1.57E-01	3.54E-09	1.0E+06	3.5E-03	5
556	0.19182	1.57E-03	3.0E-04	1.05E-03	3.16E-07	6.00E-02	1.57E-01	2.98E-09	1.0E+06	3.0E-03	5
557	0.1605	1.57E-03	2.5E-04	1.05E-03	2.64E-07	6.00E-02	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5
558	0.02995	1.57E-03	4.7E-05	1.05E-03	4.93E-08	6.00E-02	1.57E-01	4.65E-10	1.0E+06	4.6E-04	5
559	0.03595	1.57E-03	5.7E-05	1.05E-03	5.92E-08	6.00E-02	1.57E-01	5.58E-10	1.0E+06	5.6E-04	5
560	0.04339	1.57E-03	6.8E-05	1.05E-03	7.14E-08	6.00E-02	1.57E-01	6.73E-10	1.0E+06	6.7E-04	5
561	0.05285	1.57E-03	8.3E-05	1.05E-03	8.70E-08	6.00E-02	1.57E-01	8.20E-10	1.0E+06	8.2E-04	5
562	0.06443	1.57E-03	1.0E-04	1.05E-03	1.06E-07	6.00E-02	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5
563	0.0787	1.57E-03	1.2E-04	1.05E-03	1.30E-07	6.00E-02	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5
564	0.09579	1.57E-03	1.5E-04	1.05E-03	1.58E-07	6.00E-02	1.57E-01	1.49E-09	1.0E+06	1.5E-03	5
565	0.11427	1.57E-03	1.8E-04	1.05E-03	1.88E-07	6.00E-02	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5
566	0.13497	1.57E-03	2.1E-04	1.05E-03	2.22E-07	6.00E-02	1.57E-01	2.09E-09	1.0E+06	2.1E-03	5
567	0.15561	1.57E-03	2.5E-04	1.05E-03	2.56E-07	6.00E-02	1.57E-01	2.42E-09	1.0E+06	2.4E-03	5
568	0.17461	1.57E-03	2.8E-04	1.05E-03	2.87E-07	6.00E-02	1.57E-01	2.71E-09	1.0E+06	2.7E-03	5
569	0.18534	1.57E-03	2.9E-04	1.05E-03	3.05E-07	6.00E-02	1.57E-01	2.88E-09	1.0E+06	2.9E-03	5
570	0.18962	1.57E-03	3.0E-04	1.05E-03	3.12E-07	6.00E-02	1.57E-01	2.94E-09	1.0E+06	2.9E-03	5
571	0.1875	1.57E-03	3.0E-04	1.05E-03	3.09E-07	6.00E-02	1.57E-01	2.91E-09	1.0E+06	2.9E-03	5
572	0.17873	1.57E-03	2.8E-04	1.05E-03	2.94E-07	6.00E-02	1.57E-01	2.77E-09	1.0E+06	2.8E-03	5
573	0.16416	1.57E-03	2.6E-04	1.05E-03	2.70E-07	6.00E-02	1.57E-01	2.55E-09	1.0E+06	2.5E-03	5
574	0.14752	1.57E-03	2.3E-04	1.05E-03	2.43E-07	6.00E-02	1.57E-01	2.29E-09	1.0E+06	2.3E-03	5
575	0.13094	1.57E-03	2.1E-04	1.05E-03	2.16E-07	6.00E-02	1.57E-01	2.03E-09	1.0E+06	2.0E-03	5

	Chronic Non Cancer Risk			
Receptor #	**HI**			
1	4.53E-06	**Max**	**Receptor #**	
2	4.94E-06	1.11E-03	514	Res
3	5.40E-06			
4	5.89E-06			
5	6.41E-06			
6	6.94E-06			
7	7.45E-06			
8	7.90E-06			
9	8.27E-06			
10	8.50E-06			
11	8.60E-06			
12	8.53E-06			
13	8.32E-06			
14	7.97E-06			
15	7.51E-06			
16	7.00E-06			
17	6.46E-06			
18	5.93E-06			
19	5.44E-06			
20	5.00E-06			
21	4.61E-06			
22	4.27E-06			
23	5.00E-06			
24	5.54E-06			
25	6.15E-06			
26	6.85E-06			
27	7.60E-06			
28	8.39E-06			
29	9.17E-06			
30	9.88E-06			
31	1.05E-05			
32	1.08E-05			
33	1.10E-05			
34	1.09E-05			
35	1.05E-05			
36	9.98E-06			
37	9.28E-06			
38	8.50E-06			
39	7.70E-06			
40	6.96E-06			
41	6.29E-06			
42	5.70E-06			
43	5.21E-06			
44	4.80E-06			
45	5.53E-06			
46	6.24E-06			
47	7.08E-06			
48	8.07E-06			
49	9.20E-06			
50	1.04E-05			
51	1.17E-05			
52	1.28E-05			
53	1.38E-05			
54	1.44E-05			
55	1.47E-05			
56	1.45E-05			
57	1.40E-05			
58	1.30E-05			
59	1.19E-05			
60	1.07E-05			
61	9.44E-06			
62	8.35E-06			
63	7.42E-06			
64	6.65E-06			
65	6.02E-06			
66	5.51E-06			
67	6.10E-06			
68	7.04E-06			

	Chronic Non Cancer Risk
Receptor #	**HI**
69	8.21E-06
70	9.65E-06
71	1.14E-05
72	1.34E-05
73	1.55E-05
74	1.76E-05
75	1.92E-05
76	2.04E-05
77	2.08E-05
78	2.06E-05
79	1.96E-05
80	1.80E-05
81	1.60E-05
82	1.39E-05
83	1.20E-05
84	1.04E-05
85	9.03E-06
86	7.99E-06
87	7.16E-06
88	6.50E-06
89	6.70E-06
90	7.93E-06
91	9.54E-06
92	1.17E-05
93	1.44E-05
94	1.79E-05
95	2.19E-05
96	2.57E-05
97	2.89E-05
98	3.11E-05
99	3.20E-05
100	3.17E-05
101	2.99E-05
102	2.69E-05
103	2.31E-05
104	1.93E-05
105	1.60E-05
106	1.34E-05
107	1.15E-05
108	1.00E-05
109	8.88E-06
110	7.97E-06
111	7.27E-06
112	8.85E-06
113	1.10E-05
114	1.41E-05
115	1.88E-05
116	2.54E-05
117	3.37E-05
118	4.19E-05
119	4.85E-05
120	5.29E-05
121	5.52E-05
122	5.50E-05
123	5.18E-05
124	4.54E-05
125	3.70E-05
126	2.90E-05
127	2.29E-05
128	1.86E-05
129	1.55E-05
130	1.33E-05
131	1.16E-05
132	1.02E-05
133	7.74E-06
134	9.64E-06
135	1.25E-05
136	1.71E-05

	Chronic Non Cancer Risk
Receptor #	**HI**
137	2.51E-05
138	3.87E-05
139	6.06E-05
140	8.35E-05
141	9.95E-05
142	1.09E-04
143	1.17E-04
144	1.18E-04
145	1.12E-04
146	9.57E-05
147	7.08E-05
148	4.95E-05
149	3.62E-05
150	2.80E-05
151	2.25E-05
152	1.86E-05
153	1.57E-05
154	1.35E-05
155	8.03E-06
156	1.02E-05
157	1.37E-05
158	1.97E-05
159	3.20E-05
160	6.18E-05
161	1.66E-04
162	2.99E-04
163	3.61E-04
164	3.61E-04
165	4.35E-04
166	4.23E-04
167	4.16E-04
168	3.61E-04
169	2.00E-04
170	1.01E-04
171	6.43E-05
172	4.53E-05
173	3.41E-05
174	2.67E-05
175	2.16E-05
176	1.79E-05
177	8.27E-06
178	1.06E-05
179	1.45E-05
180	2.18E-05
181	3.79E-05
182	8.73E-05
183	5.57E-04
184	6.37E-04
185	2.04E-04
186	1.09E-04
187	7.03E-05
188	4.96E-05
189	3.71E-05
190	2.90E-05
191	2.33E-05
192	8.37E-06
193	1.07E-05
194	1.47E-05
195	2.19E-05
196	3.80E-05
197	8.64E-05
198	5.57E-04
199	7.12E-04
200	5.89E-04
201	2.58E-04
202	1.45E-04
203	9.27E-05
204	6.43E-05

	Chronic Non Cancer Risk
Receptor #	**HI**
205	4.72E-05
206	3.62E-05
207	2.87E-05
208	8.34E-06
209	1.06E-05
210	1.41E-05
211	2.05E-05
212	3.27E-05
213	6.19E-05
214	1.56E-04
215	3.33E-04
216	3.90E-04
217	3.37E-04
218	8.92E-04
219	3.89E-04
220	2.29E-04
221	1.47E-04
222	1.00E-04
223	7.16E-05
224	5.35E-05
225	4.13E-05
226	3.28E-05
227	8.19E-06
228	1.02E-05
229	1.33E-05
230	1.82E-05
231	2.64E-05
232	4.02E-05
233	6.38E-05
234	9.53E-05
235	1.28E-04
236	1.60E-04
237	2.31E-04
238	3.65E-04
239	4.19E-04
240	3.43E-04
241	2.39E-04
242	1.70E-04
243	1.23E-04
244	9.17E-05
245	6.96E-05
246	5.40E-05
247	4.28E-05
248	3.46E-05
249	7.93E-06
250	9.68E-06
251	1.21E-05
252	1.57E-05
253	2.08E-05
254	2.82E-05
255	3.80E-05
256	5.09E-05
257	6.55E-05
258	8.28E-05
259	1.04E-04
260	1.29E-04
261	1.46E-04
262	1.47E-04
263	1.33E-04
264	1.12E-04
265	9.23E-05
266	7.50E-05
267	6.08E-05
268	4.96E-05
269	4.09E-05
270	3.40E-05
271	7.56E-06
272	9.00E-06

	Chronic Non Cancer Risk
Receptor #	**HI**
273	1.09E-05
274	1.34E-05
275	1.67E-05
276	2.09E-05
277	2.63E-05
278	3.27E-05
279	4.04E-05
280	4.89E-05
281	5.83E-05
282	6.76E-05
283	7.46E-05
284	7.70E-05
285	7.63E-05
286	7.17E-05
287	6.47E-05
288	5.70E-05
289	4.93E-05
290	4.25E-05
291	3.65E-05
292	3.14E-05
293	7.13E-06
294	8.30E-06
295	9.74E-06
296	1.15E-05
297	1.37E-05
298	1.63E-05
299	1.96E-05
300	2.34E-05
301	2.75E-05
302	3.21E-05
303	3.68E-05
304	4.15E-05
305	4.51E-05
306	4.71E-05
307	4.79E-05
308	4.71E-05
309	4.54E-05
310	4.23E-05
311	3.86E-05
312	3.49E-05
313	3.12E-05
314	2.77E-05
315	6.68E-06
316	7.60E-06
317	8.68E-06
318	9.95E-06
319	1.14E-05
320	1.32E-05
321	1.53E-05
322	1.76E-05
323	2.01E-05
324	2.28E-05
325	2.54E-05
326	2.81E-05
327	3.08E-05
328	3.17E-05
329	3.25E-05
330	3.28E-05
331	3.24E-05
332	3.14E-05
333	2.98E-05
334	2.80E-05
335	2.59E-05
336	2.38E-05
337	6.23E-06
338	6.95E-06
339	7.76E-06
340	8.70E-06

	Chronic Non Cancer Risk
Receptor #	**HI**
341	9.75E-06
342	1.10E-05
343	1.23E-05
344	1.39E-05
345	1.55E-05
346	1.71E-05
347	1.88E-05
348	2.04E-05
349	2.16E-05
350	2.27E-05
351	2.35E-05
352	2.38E-05
353	2.40E-05
354	2.38E-05
355	2.32E-05
356	2.24E-05
357	2.13E-05
358	2.01E-05
359	5.79E-06
360	6.36E-06
361	6.98E-06
362	7.67E-06
363	8.43E-06
364	9.30E-06
365	1.02E-05
366	1.13E-05
367	1.24E-05
368	1.35E-05
369	1.46E-05
370	1.56E-05
371	1.65E-05
372	1.73E-05
373	1.78E-05
374	1.82E-05
375	1.85E-05
376	1.85E-05
377	1.83E-05
378	1.81E-05
379	1.76E-05
380	1.69E-05
381	7.10E-06
382	8.19E-06
383	9.48E-06
384	1.10E-05
385	1.26E-05
386	1.42E-05
387	1.56E-05
388	1.67E-05
389	1.73E-05
390	1.73E-05
391	1.68E-05
392	1.58E-05
393	1.45E-05
394	1.29E-05
395	1.13E-05
396	9.90E-06
397	8.68E-06
398	7.68E-06
399	8.12E-06
400	9.67E-06
401	1.16E-05
402	1.41E-05
403	1.68E-05
404	1.97E-05
405	2.23E-05
406	2.42E-05
407	2.53E-05
408	2.55E-05

	Chronic Non Cancer Risk
Receptor #	**HI**
409	2.47E-05
410	2.29E-05
411	2.04E-05
412	1.76E-05
413	1.49E-05
414	1.27E-05
415	1.09E-05
416	9.47E-06
417	9.25E-06
418	1.15E-05
419	1.45E-05
420	1.87E-05
421	2.39E-05
422	2.96E-05
423	3.47E-05
424	3.85E-05
425	4.08E-05
426	4.14E-05
427	4.00E-05
428	3.66E-05
429	3.16E-05
430	2.60E-05
431	2.10E-05
432	1.72E-05
433	1.43E-05
434	1.23E-05
435	1.04E-05
436	1.35E-05
437	1.83E-05
438	2.59E-05
439	3.72E-05
440	5.08E-05
441	6.26E-05
442	7.07E-05
443	7.59E-05
444	7.81E-05
445	7.61E-05
446	6.90E-05
447	5.68E-05
448	4.30E-05
449	3.23E-05
450	2.52E-05
451	2.04E-05
452	1.70E-05
453	1.13E-05
454	1.54E-05
455	2.28E-05
456	3.69E-05
457	6.70E-05
458	1.18E-04
459	1.54E-04
460	1.74E-04
461	1.88E-04
462	2.01E-04
463	1.96E-04
464	1.82E-04
465	1.38E-04
466	8.63E-05
467	5.69E-05
468	4.09E-05
469	3.12E-05
470	2.47E-05
471	1.20E-05
472	1.70E-05
473	2.66E-05
474	4.94E-05
475	1.36E-04
476	2.24E-04

	Chronic Non Cancer Risk
Receptor #	**HI**
477	1.10E-04
478	6.90E-05
479	4.83E-05
480	3.61E-05
481	1.24E-05
482	1.77E-05
483	2.81E-05
484	5.51E-05
485	1.79E-04
486	3.74E-04
487	1.74E-04
488	1.03E-04
489	6.83E-05
490	4.91E-05
491	1.23E-05
492	1.73E-05
493	2.69E-05
494	4.94E-05
495	1.32E-04
496	6.08E-04
497	4.98E-04
498	7.28E-04
499	3.38E-04
500	1.91E-04
501	1.20E-04
502	8.20E-05
503	5.91E-05
504	1.19E-05
505	1.62E-05
506	2.37E-05
507	3.77E-05
508	6.76E-05
509	1.23E-04
510	1.84E-04
511	2.16E-04
512	2.71E-04
513	8.75E-04
514	1.11E-03
515	9.08E-04
516	4.07E-04
517	2.47E-04
518	1.65E-04
519	1.15E-04
520	8.33E-05
521	6.23E-05
522	1.12E-05
523	1.46E-05
524	1.99E-05
525	2.79E-05
526	3.98E-05
527	5.71E-05
528	7.74E-05
529	1.00E-04
530	1.30E-04
531	1.73E-04
532	2.18E-04
533	2.29E-04
534	1.99E-04
535	1.58E-04
536	1.23E-04
537	9.51E-05
538	7.42E-05
539	5.86E-05
540	1.04E-05
541	1.29E-05
542	1.64E-05
543	2.12E-05
544	2.75E-05

	Chronic Non Cancer Risk
Receptor #	**HI**
545	3.54E-05
546	4.52E-05
547	5.64E-05
548	6.97E-05
549	8.38E-05
550	9.69E-05
551	1.06E-04
552	1.03E-04
553	9.51E-05
554	8.35E-05
555	7.19E-05
556	6.04E-05
557	5.06E-05
558	9.43E-06
559	1.13E-05
560	1.37E-05
561	1.66E-05
562	2.03E-05
563	2.48E-05
564	3.02E-05
565	3.60E-05
566	4.25E-05
567	4.90E-05
568	5.50E-05
569	5.84E-05
570	5.97E-05
571	5.91E-05
572	5.63E-05
573	5.17E-05
574	4.65E-05
575	4.12E-05

9th and Vineyard

SLINE19 - Grading Risk

		Cancer Risk from Birth to 2 Years												*Chronic Non Cancer Risk*				
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million		Max	Receptor #	REL	HI		Max	Receptor #
1	0.01438	1.89E-03	2.7E-05	1.05E-03	2.84E-08	1.24E-01	1.57E-01	5.54E-10	1.0E+06	5.5E-04				5	5.44E-06			
2	0.01569	1.89E-03	3.0E-05	1.05E-03	3.10E-08	1.24E-01	1.57E-01	6.04E-10	1.0E+06	6.0E-04	Res	0.135	514	5	5.93E-06		1.33E-03	514 Res
3	0.01713	1.89E-03	3.2E-05	1.05E-03	3.38E-08	1.24E-01	1.57E-01	6.59E-10	1.0E+06	6.6E-04				5	6.48E-06			
4	0.0187	1.89E-03	3.5E-05	1.05E-03	3.69E-08	1.24E-01	1.57E-01	7.20E-10	1.0E+06	7.2E-04				5	7.07E-06			
5	0.02036	1.89E-03	3.8E-05	1.05E-03	4.02E-08	1.24E-01	1.57E-01	7.84E-10	1.0E+06	7.8E-04				5	7.70E-06			
6	0.02204	1.89E-03	4.2E-05	1.05E-03	4.35E-08	1.24E-01	1.57E-01	8.48E-10	1.0E+06	8.5E-04				5	8.33E-06			
7	0.02365	1.89E-03	4.5E-05	1.05E-03	4.67E-08	1.24E-01	1.57E-01	9.10E-10	1.0E+06	9.1E-04				5	8.94E-06			
8	0.02509	1.89E-03	4.7E-05	1.05E-03	4.96E-08	1.24E-01	1.57E-01	9.66E-10	1.0E+06	9.7E-04				5	9.48E-06			
9	0.02624	1.89E-03	5.0E-05	1.05E-03	5.18E-08	1.24E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03				5	9.92E-06			
10	0.027	1.89E-03	5.1E-05	1.05E-03	5.33E-08	1.24E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03				5	1.02E-05			
11	0.0273	1.89E-03	5.2E-05	1.05E-03	5.39E-08	1.24E-01	1.57E-01	1.05E-09	1.0E+06	1.1E-03				5	1.03E-05			
12	0.02709	1.89E-03	5.1E-05	1.05E-03	5.35E-08	1.24E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03				5	1.02E-05			
13	0.0264	1.89E-03	5.0E-05	1.05E-03	5.22E-08	1.24E-01	1.57E-01	1.02E-09	1.0E+06	1.0E-03				5	9.98E-06			
14	0.02529	1.89E-03	4.8E-05	1.05E-03	5.00E-08	1.24E-01	1.57E-01	9.73E-10	1.0E+06	9.7E-04				5	9.56E-06			
15	0.02385	1.89E-03	4.5E-05	1.05E-03	4.71E-08	1.24E-01	1.57E-01	9.18E-10	1.0E+06	9.2E-04				5	9.02E-06			
16	0.02221	1.89E-03	4.2E-05	1.05E-03	4.39E-08	1.24E-01	1.57E-01	8.55E-10	1.0E+06	8.5E-04				5	8.40E-06			
17	0.0205	1.89E-03	3.9E-05	1.05E-03	4.05E-08	1.24E-01	1.57E-01	7.89E-10	1.0E+06	7.9E-04				5	7.75E-06			
18	0.01882	1.89E-03	3.6E-05	1.05E-03	3.72E-08	1.24E-01	1.57E-01	7.24E-10	1.0E+06	7.2E-04				5	7.11E-06			
19	0.01726	1.89E-03	3.3E-05	1.05E-03	3.41E-08	1.24E-01	1.57E-01	6.64E-10	1.0E+06	6.6E-04				5	6.52E-06			
20	0.01586	1.89E-03	3.0E-05	1.05E-03	3.13E-08	1.24E-01	1.57E-01	6.10E-10	1.0E+06	6.1E-04				5	5.99E-06			
21	0.01463	1.89E-03	2.8E-05	1.05E-03	2.89E-08	1.24E-01	1.57E-01	5.63E-10	1.0E+06	5.6E-04				5	5.53E-06			
22	0.01356	1.89E-03	2.6E-05	1.05E-03	2.68E-08	1.24E-01	1.57E-01	5.22E-10	1.0E+06	5.2E-04				5	5.13E-06			
23	0.01587	1.89E-03	3.0E-05	1.05E-03	3.13E-08	1.24E-01	1.57E-01	6.11E-10	1.0E+06	6.1E-04				5	6.00E-06			
24	0.01758	1.89E-03	3.3E-05	1.05E-03	3.47E-08	1.24E-01	1.57E-01	6.77E-10	1.0E+06	6.8E-04				5	6.65E-06			
25	0.01954	1.89E-03	3.7E-05	1.05E-03	3.86E-08	1.24E-01	1.57E-01	7.52E-10	1.0E+06	7.5E-04				5	7.39E-06			
26	0.02174	1.89E-03	4.1E-05	1.05E-03	4.29E-08	1.24E-01	1.57E-01	8.37E-10	1.0E+06	8.4E-04				5	8.22E-06			
27	0.02414	1.89E-03	4.6E-05	1.05E-03	4.77E-08	1.24E-01	1.57E-01	9.29E-10	1.0E+06	9.3E-04				5	9.12E-06			
28	0.02665	1.89E-03	5.0E-05	1.05E-03	5.26E-08	1.24E-01	1.57E-01	1.03E-09	1.0E+06	1.0E-03				5	1.01E-05			
29	0.02912	1.89E-03	5.5E-05	1.05E-03	5.75E-08	1.24E-01	1.57E-01	1.12E-09	1.0E+06	1.1E-03				5	1.10E-05			
30	0.03137	1.89E-03	5.9E-05	1.05E-03	6.20E-08	1.24E-01	1.57E-01	1.21E-09	1.0E+06	1.2E-03				5	1.19E-05			
31	0.03319	1.89E-03	6.3E-05	1.05E-03	6.56E-08	1.24E-01	1.57E-01	1.28E-09	1.0E+06	1.3E-03				5	1.25E-05			
32	0.03441	1.89E-03	6.5E-05	1.05E-03	6.80E-08	1.24E-01	1.57E-01	1.32E-09	1.0E+06	1.3E-03				5	1.30E-05			
33	0.03488	1.89E-03	6.6E-05	1.05E-03	6.89E-08	1.24E-01	1.57E-01	1.34E-09	1.0E+06	1.3E-03				5	1.32E-05			
34	0.03454	1.89E-03	6.5E-05	1.05E-03	6.82E-08	1.24E-01	1.57E-01	1.33E-09	1.0E+06	1.3E-03				5	1.31E-05			
35	0.03344	1.89E-03	6.3E-05	1.05E-03	6.61E-08	1.24E-01	1.57E-01	1.29E-09	1.0E+06	1.3E-03				5	1.26E-05			
36	0.03169	1.89E-03	6.0E-05	1.05E-03	6.26E-08	1.24E-01	1.57E-01	1.22E-09	1.0E+06	1.2E-03				5	1.20E-05			
37	0.02946	1.89E-03	5.6E-05	1.05E-03	5.82E-08	1.24E-01	1.57E-01	1.13E-09	1.0E+06	1.1E-03				5	1.11E-05			
38	0.02697	1.89E-03	5.1E-05	1.05E-03	5.33E-08	1.24E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03				5	1.02E-05			
39	0.02445	1.89E-03	4.6E-05	1.05E-03	4.83E-08	1.24E-01	1.57E-01	9.41E-10	1.0E+06	9.4E-04				5	9.24E-06			
40	0.02208	1.89E-03	4.2E-05	1.05E-03	4.36E-08	1.24E-01	1.57E-01	8.50E-10	1.0E+06	8.5E-04				5	8.35E-06			
41	0.01996	1.89E-03	3.8E-05	1.05E-03	3.94E-08	1.24E-01	1.57E-01	7.68E-10	1.0E+06	7.7E-04				5	7.54E-06			
42	0.01811	1.89E-03	3.4E-05	1.05E-03	3.58E-08	1.24E-01	1.57E-01	6.97E-10	1.0E+06	7.0E-04				5	6.85E-06			
43	0.01654	1.89E-03	3.1E-05	1.05E-03	3.27E-08	1.24E-01	1.57E-01	6.37E-10	1.0E+06	6.4E-04				5	6.25E-06			
44	0.01524	1.89E-03	2.9E-05	1.05E-03	3.01E-08	1.24E-01	1.57E-01	5.87E-10	1.0E+06	5.9E-04				5	5.76E-06			
45	0.01755	1.89E-03	3.3E-05	1.05E-03	3.47E-08	1.24E-01	1.57E-01	6.76E-10	1.0E+06	6.8E-04				5	6.63E-06			
46	0.0198	1.89E-03	3.7E-05	1.05E-03	3.91E-08	1.24E-01	1.57E-01	7.62E-10	1.0E+06	7.6E-04				5	7.48E-06			
47	0.02249	1.89E-03	4.3E-05	1.05E-03	4.44E-08	1.24E-01	1.57E-01	8.66E-10	1.0E+06	8.7E-04				5	8.50E-06			
48	0.02563	1.89E-03	4.8E-05	1.05E-03	5.06E-08	1.24E-01	1.57E-01	9.87E-10	1.0E+06	9.9E-04				5	9.69E-06			
49	0.02921	1.89E-03	5.5E-05	1.05E-03	5.77E-08	1.24E-01	1.57E-01	1.12E-09	1.0E+06	1.1E-03				5	1.10E-05			

9th and Vineyard

SLINE19 - Grading Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
50	0.03311	1.89E-03	6.3E-05	1.05E-03	6.54E-08	1.24E-01	1.57E-01	1.27E-09	1.0E+06	1.3E-03	5	1.25E-05
51	0.03707	1.89E-03	7.0E-05	1.05E-03	7.32E-08	1.24E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	1.40E-05
52	0.04077	1.89E-03	7.7E-05	1.05E-03	8.05E-08	1.24E-01	1.57E-01	1.57E-09	1.0E+06	1.6E-03	5	1.54E-05
53	0.0438	1.89E-03	8.3E-05	1.05E-03	8.65E-08	1.24E-01	1.57E-01	1.69E-09	1.0E+06	1.7E-03	5	1.66E-05
54	0.04584	1.89E-03	8.7E-05	1.05E-03	9.06E-08	1.24E-01	1.57E-01	1.76E-09	1.0E+06	1.8E-03	5	1.73E-05
55	0.04665	1.89E-03	8.8E-05	1.05E-03	9.22E-08	1.24E-01	1.57E-01	1.80E-09	1.0E+06	1.8E-03	5	1.76E-05
56	0.04611	1.89E-03	8.7E-05	1.05E-03	9.11E-08	1.24E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5	1.74E-05
57	0.0443	1.89E-03	8.4E-05	1.05E-03	8.75E-08	1.24E-01	1.57E-01	1.71E-09	1.0E+06	1.7E-03	5	1.67E-05
58	0.04138	1.89E-03	7.8E-05	1.05E-03	8.17E-08	1.24E-01	1.57E-01	1.59E-09	1.0E+06	1.6E-03	5	1.56E-05
59	0.03776	1.89E-03	7.1E-05	1.05E-03	7.46E-08	1.24E-01	1.57E-01	1.45E-09	1.0E+06	1.5E-03	5	1.43E-05
60	0.03382	1.89E-03	6.4E-05	1.05E-03	6.68E-08	1.24E-01	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5	1.28E-05
61	0.02998	1.89E-03	5.7E-05	1.05E-03	5.92E-08	1.24E-01	1.57E-01	1.15E-09	1.0E+06	1.2E-03	5	1.13E-05
62	0.02652	1.89E-03	5.0E-05	1.05E-03	5.24E-08	1.24E-01	1.57E-01	1.02E-09	1.0E+06	1.0E-03	5	1.00E-05
63	0.02357	1.89E-03	4.5E-05	1.05E-03	4.66E-08	1.24E-01	1.57E-01	9.07E-10	1.0E+06	9.1E-04	5	8.91E-06
64	0.02112	1.89E-03	4.0E-05	1.05E-03	4.17E-08	1.24E-01	1.57E-01	8.13E-10	1.0E+06	8.1E-04	5	7.98E-06
65	0.01912	1.89E-03	3.6E-05	1.05E-03	3.78E-08	1.24E-01	1.57E-01	7.36E-10	1.0E+06	7.4E-04	5	7.23E-06
66	0.01748	1.89E-03	3.3E-05	1.05E-03	3.45E-08	1.24E-01	1.57E-01	6.73E-10	1.0E+06	6.7E-04	5	6.61E-06
67	0.01938	1.89E-03	3.7E-05	1.05E-03	3.83E-08	1.24E-01	1.57E-01	7.46E-10	1.0E+06	7.5E-04	5	7.33E-06
68	0.02236	1.89E-03	4.2E-05	1.05E-03	4.42E-08	1.24E-01	1.57E-01	8.61E-10	1.0E+06	8.6E-04	5	8.45E-06
69	0.02605	1.89E-03	4.9E-05	1.05E-03	5.15E-08	1.24E-01	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5	9.85E-06
70	0.03064	1.89E-03	5.8E-05	1.05E-03	6.05E-08	1.24E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	1.16E-05
71	0.03617	1.89E-03	6.8E-05	1.05E-03	7.15E-08	1.24E-01	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5	1.37E-05
72	0.04253	1.89E-03	8.0E-05	1.05E-03	8.40E-08	1.24E-01	1.57E-01	1.64E-09	1.0E+06	1.6E-03	5	1.61E-05
73	0.04927	1.89E-03	9.3E-05	1.05E-03	9.73E-08	1.24E-01	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	1.86E-05
74	0.05574	1.89E-03	1.1E-04	1.05E-03	1.10E-07	1.24E-01	1.57E-01	2.15E-09	1.0E+06	2.1E-03	5	2.11E-05
75	0.06109	1.89E-03	1.2E-04	1.05E-03	1.21E-07	1.24E-01	1.57E-01	2.35E-09	1.0E+06	2.4E-03	5	2.31E-05
76	0.06471	1.89E-03	1.2E-04	1.05E-03	1.28E-07	1.24E-01	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5	2.45E-05
77	0.06618	1.89E-03	1.3E-04	1.05E-03	1.31E-07	1.24E-01	1.57E-01	2.55E-09	1.0E+06	2.5E-03	5	2.50E-05
78	0.06532	1.89E-03	1.2E-04	1.05E-03	1.29E-07	1.24E-01	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5	2.47E-05
79	0.06222	1.89E-03	1.2E-04	1.05E-03	1.23E-07	1.24E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	2.35E-05
80	0.05715	1.89E-03	1.1E-04	1.05E-03	1.13E-07	1.24E-01	1.57E-01	2.20E-09	1.0E+06	2.2E-03	5	2.16E-05
81	0.05084	1.89E-03	9.6E-05	1.05E-03	1.00E-07	1.24E-01	1.57E-01	1.96E-09	1.0E+06	2.0E-03	5	1.92E-05
82	0.0442	1.89E-03	8.4E-05	1.05E-03	8.73E-08	1.24E-01	1.57E-01	1.70E-09	1.0E+06	1.7E-03	5	1.67E-05
83	0.03807	1.89E-03	7.2E-05	1.05E-03	7.52E-08	1.24E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	1.44E-05
84	0.03287	1.89E-03	6.2E-05	1.05E-03	6.49E-08	1.24E-01	1.57E-01	1.27E-09	1.0E+06	1.3E-03	5	1.24E-05
85	0.02868	1.89E-03	5.4E-05	1.05E-03	5.67E-08	1.24E-01	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5	1.08E-05
86	0.02537	1.89E-03	4.8E-05	1.05E-03	5.01E-08	1.24E-01	1.57E-01	9.77E-10	1.0E+06	9.8E-04	5	9.59E-06
87	0.02274	1.89E-03	4.3E-05	1.05E-03	4.49E-08	1.24E-01	1.57E-01	8.75E-10	1.0E+06	8.8E-04	5	8.60E-06
88	0.02064	1.89E-03	3.9E-05	1.05E-03	4.08E-08	1.24E-01	1.57E-01	7.94E-10	1.0E+06	7.9E-04	5	7.80E-06
89	0.02128	1.89E-03	4.0E-05	1.05E-03	4.20E-08	1.24E-01	1.57E-01	8.19E-10	1.0E+06	8.2E-04	5	8.04E-06
90	0.02519	1.89E-03	4.8E-05	1.05E-03	4.98E-08	1.24E-01	1.57E-01	9.70E-10	1.0E+06	9.7E-04	5	9.52E-06
91	0.0303	1.89E-03	5.7E-05	1.05E-03	5.99E-08	1.24E-01	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5	1.15E-05
92	0.03704	1.89E-03	7.0E-05	1.05E-03	7.32E-08	1.24E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	1.40E-05
93	0.04587	1.89E-03	8.7E-05	1.05E-03	9.06E-08	1.24E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5	1.73E-05
94	0.05698	1.89E-03	1.1E-04	1.05E-03	1.13E-07	1.24E-01	1.57E-01	2.19E-09	1.0E+06	2.2E-03	5	2.15E-05
95	0.06947	1.89E-03	1.3E-04	1.05E-03	1.37E-07	1.24E-01	1.57E-01	2.67E-09	1.0E+06	2.7E-03	5	2.63E-05
96	0.0817	1.89E-03	1.5E-04	1.05E-03	1.61E-07	1.24E-01	1.57E-01	3.14E-09	1.0E+06	3.1E-03	5	3.09E-05
97	0.0918	1.89E-03	1.7E-04	1.05E-03	1.81E-07	1.24E-01	1.57E-01	3.53E-09	1.0E+06	3.5E-03	5	3.47E-05
98	0.09865	1.89E-03	1.9E-04	1.05E-03	1.95E-07	1.24E-01	1.57E-01	3.80E-09	1.0E+06	3.8E-03	5	3.73E-05

9th and Vineyard

SLINE19 - Grading Risk

				Cancer Risk from Birth to 2 Years							*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
99	0.10172	1.89E-03	1.9E-04	1.05E-03	2.01E-07	1.24E-01	1.57E-01	3.92E-09	1.0E+06	3.9E-03	5	3.84E-05
100	0.10055	1.89E-03	1.9E-04	1.05E-03	1.99E-07	1.24E-01	1.57E-01	3.87E-09	1.0E+06	3.9E-03	5	3.80E-05
101	0.09497	1.89E-03	1.8E-04	1.05E-03	1.88E-07	1.24E-01	1.57E-01	3.66E-09	1.0E+06	3.7E-03	5	3.59E-05
102	0.08541	1.89E-03	1.6E-04	1.05E-03	1.69E-07	1.24E-01	1.57E-01	3.29E-09	1.0E+06	3.3E-03	5	3.23E-05
103	0.07338	1.89E-03	1.4E-04	1.05E-03	1.45E-07	1.24E-01	1.57E-01	2.82E-09	1.0E+06	2.8E-03	5	2.77E-05
104	0.06125	1.89E-03	1.2E-04	1.05E-03	1.21E-07	1.24E-01	1.57E-01	2.36E-09	1.0E+06	2.4E-03	5	2.32E-05
105	0.05078	1.89E-03	9.6E-05	1.05E-03	1.00E-07	1.24E-01	1.57E-01	1.95E-09	1.0E+06	2.0E-03	5	1.92E-05
106	0.04261	1.89E-03	8.1E-05	1.05E-03	8.42E-08	1.24E-01	1.57E-01	1.64E-09	1.0E+06	1.6E-03	5	1.61E-05
107	0.03645	1.89E-03	6.9E-05	1.05E-03	7.20E-08	1.24E-01	1.57E-01	1.40E-09	1.0E+06	1.4E-03	5	1.38E-05
108	0.03179	1.89E-03	6.0E-05	1.05E-03	6.28E-08	1.24E-01	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5	1.20E-05
109	0.02818	1.89E-03	5.3E-05	1.05E-03	5.57E-08	1.24E-01	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5	1.07E-05
110	0.02531	1.89E-03	4.8E-05	1.05E-03	5.00E-08	1.24E-01	1.57E-01	9.74E-10	1.0E+06	9.7E-04	5	9.57E-06
111	0.02308	1.89E-03	4.4E-05	1.05E-03	4.56E-08	1.24E-01	1.57E-01	8.88E-10	1.0E+06	8.9E-04	5	8.72E-06
112	0.02811	1.89E-03	5.3E-05	1.05E-03	5.55E-08	1.24E-01	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5	1.06E-05
113	0.03493	1.89E-03	6.6E-05	1.05E-03	6.90E-08	1.24E-01	1.57E-01	1.34E-09	1.0E+06	1.3E-03	5	1.32E-05
114	0.0449	1.89E-03	8.5E-05	1.05E-03	8.87E-08	1.24E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	1.70E-05
115	0.05977	1.89E-03	1.1E-04	1.05E-03	1.18E-07	1.24E-01	1.57E-01	2.30E-09	1.0E+06	2.3E-03	5	2.26E-05
116	0.08075	1.89E-03	1.5E-04	1.05E-03	1.60E-07	1.24E-01	1.57E-01	3.11E-09	1.0E+06	3.1E-03	5	3.05E-05
117	0.10687	1.89E-03	2.0E-04	1.05E-03	2.11E-07	1.24E-01	1.57E-01	4.11E-09	1.0E+06	4.1E-03	5	4.04E-05
118	0.13317	1.89E-03	2.5E-04	1.05E-03	2.63E-07	1.24E-01	1.57E-01	5.13E-09	1.0E+06	5.1E-03	5	5.03E-05
119	0.15411	1.89E-03	2.9E-04	1.05E-03	3.04E-07	1.24E-01	1.57E-01	5.93E-09	1.0E+06	5.9E-03	5	5.83E-05
120	0.16804	1.89E-03	3.2E-04	1.05E-03	3.32E-07	1.24E-01	1.57E-01	6.47E-09	1.0E+06	6.5E-03	5	6.35E-05
121	0.17533	1.89E-03	3.3E-04	1.05E-03	3.46E-07	1.24E-01	1.57E-01	6.75E-09	1.0E+06	6.7E-03	5	6.63E-05
122	0.17468	1.89E-03	3.3E-04	1.05E-03	3.45E-07	1.24E-01	1.57E-01	6.72E-09	1.0E+06	6.7E-03	5	6.60E-05
123	0.16438	1.89E-03	3.1E-04	1.05E-03	3.25E-07	1.24E-01	1.57E-01	6.33E-09	1.0E+06	6.3E-03	5	6.21E-05
124	0.14421	1.89E-03	2.7E-04	1.05E-03	2.85E-07	1.24E-01	1.57E-01	5.55E-09	1.0E+06	5.6E-03	5	5.45E-05
125	0.1176	1.89E-03	2.2E-04	1.05E-03	2.32E-07	1.24E-01	1.57E-01	4.53E-09	1.0E+06	4.5E-03	5	4.45E-05
126	0.09217	1.89E-03	1.7E-04	1.05E-03	1.82E-07	1.24E-01	1.57E-01	3.55E-09	1.0E+06	3.5E-03	5	3.48E-05
127	0.07265	1.89E-03	1.4E-04	1.05E-03	1.44E-07	1.24E-01	1.57E-01	2.80E-09	1.0E+06	2.8E-03	5	2.75E-05
128	0.05894	1.89E-03	1.1E-04	1.05E-03	1.16E-07	1.24E-01	1.57E-01	2.27E-09	1.0E+06	2.3E-03	5	2.23E-05
129	0.04926	1.89E-03	9.3E-05	1.05E-03	9.73E-08	1.24E-01	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	1.86E-05
130	0.04212	1.89E-03	8.0E-05	1.05E-03	8.32E-08	1.24E-01	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5	1.59E-05
131	0.03667	1.89E-03	6.9E-05	1.05E-03	7.24E-08	1.24E-01	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	1.39E-05
132	0.03235	1.89E-03	6.1E-05	1.05E-03	6.39E-08	1.24E-01	1.57E-01	1.25E-09	1.0E+06	1.2E-03	5	1.22E-05
133	0.02458	1.89E-03	4.6E-05	1.05E-03	4.86E-08	1.24E-01	1.57E-01	9.46E-10	1.0E+06	9.5E-04	5	9.29E-06
134	0.03059	1.89E-03	5.8E-05	1.05E-03	6.04E-08	1.24E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	1.16E-05
135	0.03959	1.89E-03	7.5E-05	1.05E-03	7.82E-08	1.24E-01	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5	1.50E-05
136	0.05435	1.89E-03	1.0E-04	1.05E-03	1.07E-07	1.24E-01	1.57E-01	2.09E-09	1.0E+06	2.1E-03	5	2.05E-05
137	0.07955	1.89E-03	1.5E-04	1.05E-03	1.57E-07	1.24E-01	1.57E-01	3.06E-09	1.0E+06	3.1E-03	5	3.01E-05
138	0.12284	1.89E-03	2.3E-04	1.05E-03	2.43E-07	1.24E-01	1.57E-01	4.73E-09	1.0E+06	4.7E-03	5	4.64E-05
139	0.19239	1.89E-03	3.6E-04	1.05E-03	3.80E-07	1.24E-01	1.57E-01	7.41E-09	1.0E+06	7.4E-03	5	7.27E-05
140	0.26503	1.89E-03	5.0E-04	1.05E-03	5.24E-07	1.24E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	1.00E-04
141	0.31576	1.89E-03	6.0E-04	1.05E-03	6.24E-07	1.24E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.19E-04
142	0.34621	1.89E-03	6.5E-04	1.05E-03	6.84E-07	1.24E-01	1.57E-01	1.33E-08	1.0E+06	1.3E-02	5	1.31E-04
143	0.3703	1.89E-03	7.0E-04	1.05E-03	7.31E-07	1.24E-01	1.57E-01	1.43E-08	1.0E+06	1.4E-02	5	1.40E-04
144	0.3737	1.89E-03	7.1E-04	1.05E-03	7.38E-07	1.24E-01	1.57E-01	1.44E-08	1.0E+06	1.4E-02	5	1.41E-04
145	0.35451	1.89E-03	6.7E-04	1.05E-03	7.00E-07	1.24E-01	1.57E-01	1.36E-08	1.0E+06	1.4E-02	5	1.34E-04
146	0.30384	1.89E-03	5.7E-04	1.05E-03	6.00E-07	1.24E-01	1.57E-01	1.17E-08	1.0E+06	1.2E-02	5	1.15E-04
147	0.22471	1.89E-03	4.2E-04	1.05E-03	4.44E-07	1.24E-01	1.57E-01	8.65E-09	1.0E+06	8.6E-03	5	8.49E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
148	0.15714	1.89E-03	3.0E-04	1.05E-03	3.10E-07	1.24E-01	1.57E-01	6.05E-09	1.0E+06	6.0E-03	5	5.94E-05
149	0.11508	1.89E-03	2.2E-04	1.05E-03	2.27E-07	1.24E-01	1.57E-01	4.43E-09	1.0E+06	4.4E-03	5	4.35E-05
150	0.089	1.89E-03	1.7E-04	1.05E-03	1.76E-07	1.24E-01	1.57E-01	3.43E-09	1.0E+06	3.4E-03	5	3.36E-05
151	0.07149	1.89E-03	1.4E-04	1.05E-03	1.41E-07	1.24E-01	1.57E-01	2.75E-09	1.0E+06	2.8E-03	5	2.70E-05
152	0.05903	1.89E-03	1.1E-04	1.05E-03	1.17E-07	1.24E-01	1.57E-01	2.27E-09	1.0E+06	2.3E-03	5	2.23E-05
153	0.04981	1.89E-03	9.4E-05	1.05E-03	9.84E-08	1.24E-01	1.57E-01	1.92E-09	1.0E+06	1.9E-03	5	1.88E-05
154	0.04276	1.89E-03	8.1E-05	1.05E-03	8.45E-08	1.24E-01	1.57E-01	1.65E-09	1.0E+06	1.6E-03	5	1.62E-05
155	0.02548	1.89E-03	4.8E-05	1.05E-03	5.03E-08	1.24E-01	1.57E-01	9.81E-10	1.0E+06	9.8E-04	5	9.63E-06
156	0.03233	1.89E-03	6.1E-05	1.05E-03	6.39E-08	1.24E-01	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	1.22E-05
157	0.04354	1.89E-03	8.2E-05	1.05E-03	8.60E-08	1.24E-01	1.57E-01	1.68E-09	1.0E+06	1.7E-03	5	1.65E-05
158	0.0626	1.89E-03	1.2E-04	1.05E-03	1.24E-07	1.24E-01	1.57E-01	2.41E-09	1.0E+06	2.4E-03	5	2.37E-05
159	0.10146	1.89E-03	1.9E-04	1.05E-03	2.00E-07	1.24E-01	1.57E-01	3.91E-09	1.0E+06	3.9E-03	5	3.84E-05
160	0.19626	1.89E-03	3.7E-04	1.05E-03	3.88E-07	1.24E-01	1.57E-01	7.55E-09	1.0E+06	7.6E-03	5	7.42E-05
161	0.52811	1.89E-03	1.0E-03	1.05E-03	1.04E-06	1.24E-01	1.57E-01	2.03E-08	1.0E+06	2.0E-02	5	2.00E-04
162	0.95064	1.89E-03	1.8E-03	1.05E-03	1.88E-06	1.24E-01	1.57E-01	3.66E-08	1.0E+06	3.7E-02	5	3.59E-04
163	1.14754	1.89E-03	2.2E-03	1.05E-03	2.27E-06	1.24E-01	1.57E-01	4.42E-08	1.0E+06	4.4E-02	5	4.34E-04
164	1.14449	1.89E-03	2.2E-03	1.05E-03	2.26E-06	1.24E-01	1.57E-01	4.41E-08	1.0E+06	4.4E-02	5	4.33E-04
165	1.38235	1.89E-03	2.6E-03	1.05E-03	2.73E-06	1.24E-01	1.57E-01	5.32E-08	1.0E+06	5.3E-02	5	5.23E-04
166	1.3436	1.89E-03	2.5E-03	1.05E-03	2.65E-06	1.24E-01	1.57E-01	5.17E-08	1.0E+06	5.2E-02	5	5.08E-04
167	1.32059	1.89E-03	2.5E-03	1.05E-03	2.61E-06	1.24E-01	1.57E-01	5.08E-08	1.0E+06	5.1E-02	5	4.99E-04
168	1.14738	1.89E-03	2.2E-03	1.05E-03	2.27E-06	1.24E-01	1.57E-01	4.42E-08	1.0E+06	4.4E-02	5	4.34E-04
169	0.63435	1.89E-03	1.2E-03	1.05E-03	1.25E-06	1.24E-01	1.57E-01	2.44E-08	1.0E+06	2.4E-02	5	2.40E-04
170	0.3222	1.89E-03	6.1E-04	1.05E-03	6.36E-07	1.24E-01	1.57E-01	1.24E-08	1.0E+06	1.2E-02	5	1.22E-04
171	0.20423	1.89E-03	3.9E-04	1.05E-03	4.03E-07	1.24E-01	1.57E-01	7.86E-09	1.0E+06	7.9E-03	5	7.72E-05
172	0.14381	1.89E-03	2.7E-04	1.05E-03	2.84E-07	1.24E-01	1.57E-01	5.54E-09	1.0E+06	5.5E-03	5	5.44E-05
173	0.1081	1.89E-03	2.0E-04	1.05E-03	2.14E-07	1.24E-01	1.57E-01	4.16E-09	1.0E+06	4.2E-03	5	4.09E-05
174	0.0848	1.89E-03	1.6E-04	1.05E-03	1.68E-07	1.24E-01	1.57E-01	3.26E-09	1.0E+06	3.3E-03	5	3.21E-05
175	0.06864	1.89E-03	1.3E-04	1.05E-03	1.36E-07	1.24E-01	1.57E-01	2.64E-09	1.0E+06	2.6E-03	5	2.59E-05
176	0.05698	1.89E-03	1.1E-04	1.05E-03	1.13E-07	1.24E-01	1.57E-01	2.19E-09	1.0E+06	2.2E-03	5	2.15E-05
177	0.02626	1.89E-03	5.0E-05	1.05E-03	5.19E-08	1.24E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	9.93E-06
178	0.03372	1.89E-03	6.4E-05	1.05E-03	6.66E-08	1.24E-01	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5	1.27E-05
179	0.04619	1.89E-03	8.7E-05	1.05E-03	9.12E-08	1.24E-01	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5	1.75E-05
180	0.06932	1.89E-03	1.3E-04	1.05E-03	1.37E-07	1.24E-01	1.57E-01	2.67E-09	1.0E+06	2.7E-03	5	2.62E-05
181	0.12019	1.89E-03	2.3E-04	1.05E-03	2.37E-07	1.24E-01	1.57E-01	4.63E-09	1.0E+06	4.6E-03	5	4.54E-05
182	0.27703	1.89E-03	5.2E-04	1.05E-03	5.47E-07	1.24E-01	1.57E-01	1.07E-08	1.0E+06	1.1E-02	5	1.05E-04
183	1.76771	1.89E-03	3.3E-03	1.05E-03	3.49E-06	1.24E-01	1.57E-01	6.80E-08	1.0E+06	6.8E-02	5	6.68E-04
184	2.02166	1.89E-03	3.8E-03	1.05E-03	3.99E-06	1.24E-01	1.57E-01	7.78E-08	1.0E+06	7.8E-02	5	7.64E-04
185	0.64685	1.89E-03	1.2E-03	1.05E-03	1.28E-06	1.24E-01	1.57E-01	2.49E-08	1.0E+06	2.5E-02	5	2.45E-04
186	0.34727	1.89E-03	6.6E-04	1.05E-03	6.86E-07	1.24E-01	1.57E-01	1.34E-08	1.0E+06	1.3E-02	5	1.31E-04
187	0.22322	1.89E-03	4.2E-04	1.05E-03	4.41E-07	1.24E-01	1.57E-01	8.59E-09	1.0E+06	8.6E-03	5	8.44E-05
188	0.15755	1.89E-03	3.0E-04	1.05E-03	3.11E-07	1.24E-01	1.57E-01	6.06E-09	1.0E+06	6.1E-03	5	5.96E-05
189	0.11785	1.89E-03	2.2E-04	1.05E-03	2.33E-07	1.24E-01	1.57E-01	4.54E-09	1.0E+06	4.5E-03	5	4.45E-05
190	0.09196	1.89E-03	1.7E-04	1.05E-03	1.82E-07	1.24E-01	1.57E-01	3.54E-09	1.0E+06	3.5E-03	5	3.48E-05
191	0.07411	1.89E-03	1.4E-04	1.05E-03	1.46E-07	1.24E-01	1.57E-01	2.85E-09	1.0E+06	2.9E-03	5	2.80E-05
192	0.02656	1.89E-03	5.0E-05	1.05E-03	5.25E-08	1.24E-01	1.57E-01	1.02E-09	1.0E+06	1.0E-03	5	1.00E-05
193	0.03404	1.89E-03	6.4E-05	1.05E-03	6.72E-08	1.24E-01	1.57E-01	1.31E-09	1.0E+06	1.3E-03	5	1.29E-05
194	0.04653	1.89E-03	8.8E-05	1.05E-03	9.19E-08	1.24E-01	1.57E-01	1.79E-09	1.0E+06	1.8E-03	5	1.76E-05
195	0.06954	1.89E-03	1.3E-04	1.05E-03	1.37E-07	1.24E-01	1.57E-01	2.68E-09	1.0E+06	2.7E-03	5	2.63E-05
196	0.12065	1.89E-03	2.3E-04	1.05E-03	2.38E-07	1.24E-01	1.57E-01	4.64E-09	1.0E+06	4.6E-03	5	4.56E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
197	0.27422	1.89E-03	5.2E-04	1.05E-03	5.42E-07	1.24E-01	1.57E-01	1.06E-08	1.0E+06	1.1E-02	5	1.04E-04
198	1.76698	1.89E-03	3.3E-03	1.05E-03	3.49E-06	1.24E-01	1.57E-01	6.80E-08	1.0E+06	6.8E-02	5	6.68E-04
199	2.25993	1.89E-03	4.3E-03	1.05E-03	4.46E-06	1.24E-01	1.57E-01	8.70E-08	1.0E+06	8.7E-02	5	8.54E-04
200	1.86874	1.89E-03	3.5E-03	1.05E-03	3.69E-06	1.24E-01	1.57E-01	7.19E-08	1.0E+06	7.2E-02	5	7.06E-04
201	0.819	1.89E-03	1.5E-03	1.05E-03	1.62E-06	1.24E-01	1.57E-01	3.15E-08	1.0E+06	3.2E-02	5	3.10E-04
202	0.46139	1.89E-03	8.7E-04	1.05E-03	9.11E-07	1.24E-01	1.57E-01	1.78E-08	1.0E+06	1.8E-02	5	1.74E-04
203	0.2942	1.89E-03	5.6E-04	1.05E-03	5.81E-07	1.24E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.11E-04
204	0.20407	1.89E-03	3.9E-04	1.05E-03	4.03E-07	1.24E-01	1.57E-01	7.86E-09	1.0E+06	7.9E-03	5	7.71E-05
205	0.14993	1.89E-03	2.8E-04	1.05E-03	2.96E-07	1.24E-01	1.57E-01	5.77E-09	1.0E+06	5.8E-03	5	5.67E-05
206	0.115	1.89E-03	2.2E-04	1.05E-03	2.27E-07	1.24E-01	1.57E-01	4.43E-09	1.0E+06	4.4E-03	5	4.35E-05
207	0.09116	1.89E-03	1.7E-04	1.05E-03	1.80E-07	1.24E-01	1.57E-01	3.51E-09	1.0E+06	3.5E-03	5	3.45E-05
208	0.02649	1.89E-03	5.0E-05	1.05E-03	5.23E-08	1.24E-01	1.57E-01	1.02E-09	1.0E+06	1.0E-03	5	1.00E-05
209	0.03366	1.89E-03	6.4E-05	1.05E-03	6.65E-08	1.24E-01	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5	1.27E-05
210	0.04492	1.89E-03	8.5E-05	1.05E-03	8.87E-08	1.24E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	1.70E-05
211	0.06498	1.89E-03	1.2E-04	1.05E-03	1.28E-07	1.24E-01	1.57E-01	2.50E-09	1.0E+06	2.5E-03	5	2.46E-05
212	0.10392	1.89E-03	2.0E-04	1.05E-03	2.05E-07	1.24E-01	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	3.93E-05
213	0.19656	1.89E-03	3.7E-04	1.05E-03	3.88E-07	1.24E-01	1.57E-01	7.57E-09	1.0E+06	7.6E-03	5	7.43E-05
214	0.4953	1.89E-03	9.4E-04	1.05E-03	9.78E-07	1.24E-01	1.57E-01	1.91E-08	1.0E+06	1.9E-02	5	1.87E-04
215	1.05755	1.89E-03	2.0E-03	1.05E-03	2.09E-06	1.24E-01	1.57E-01	4.07E-08	1.0E+06	4.1E-02	5	4.00E-04
216	1.23806	1.89E-03	2.3E-03	1.05E-03	2.45E-06	1.24E-01	1.57E-01	4.77E-08	1.0E+06	4.8E-02	5	4.68E-04
217	1.06867	1.89E-03	2.0E-03	1.05E-03	2.11E-06	1.24E-01	1.57E-01	4.11E-08	1.0E+06	4.1E-02	5	4.04E-04
218	2.8323	1.89E-03	5.4E-03	1.05E-03	5.59E-06	1.24E-01	1.57E-01	1.09E-07	1.0E+06	1.1E-01	5	1.07E-03
219	1.2335	1.89E-03	2.3E-03	1.05E-03	2.44E-06	1.24E-01	1.57E-01	4.75E-08	1.0E+06	4.7E-02	5	4.66E-04
220	0.72626	1.89E-03	1.4E-03	1.05E-03	1.43E-06	1.24E-01	1.57E-01	2.80E-08	1.0E+06	2.8E-02	5	2.75E-04
221	0.46623	1.89E-03	8.8E-04	1.05E-03	9.21E-07	1.24E-01	1.57E-01	1.79E-08	1.0E+06	1.8E-02	5	1.76E-04
222	0.31748	1.89E-03	6.0E-04	1.05E-03	6.27E-07	1.24E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.20E-04
223	0.22738	1.89E-03	4.3E-04	1.05E-03	4.49E-07	1.24E-01	1.57E-01	8.75E-09	1.0E+06	8.8E-03	5	8.59E-05
224	0.16979	1.89E-03	3.2E-04	1.05E-03	3.35E-07	1.24E-01	1.57E-01	6.54E-09	1.0E+06	6.5E-03	5	6.42E-05
225	0.13119	1.89E-03	2.5E-04	1.05E-03	2.59E-07	1.24E-01	1.57E-01	5.05E-09	1.0E+06	5.0E-03	5	4.96E-05
226	0.10421	1.89E-03	2.0E-04	1.05E-03	2.06E-07	1.24E-01	1.57E-01	4.01E-09	1.0E+06	4.0E-03	5	3.94E-05
227	0.02601	1.89E-03	4.9E-05	1.05E-03	5.14E-08	1.24E-01	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5	9.83E-06
228	0.03247	1.89E-03	6.1E-05	1.05E-03	6.41E-08	1.24E-01	1.57E-01	1.25E-09	1.0E+06	1.2E-03	5	1.23E-05
229	0.04222	1.89E-03	8.0E-05	1.05E-03	8.34E-08	1.24E-01	1.57E-01	1.63E-09	1.0E+06	1.6E-03	5	1.60E-05
230	0.05776	1.89E-03	1.1E-04	1.05E-03	1.14E-07	1.24E-01	1.57E-01	2.22E-09	1.0E+06	2.2E-03	5	2.18E-05
231	0.08368	1.89E-03	1.6E-04	1.05E-03	1.65E-07	1.24E-01	1.57E-01	3.22E-09	1.0E+06	3.2E-03	5	3.16E-05
232	0.12764	1.89E-03	2.4E-04	1.05E-03	2.52E-07	1.24E-01	1.57E-01	4.91E-09	1.0E+06	4.9E-03	5	4.82E-05
233	0.20256	1.89E-03	3.8E-04	1.05E-03	4.00E-07	1.24E-01	1.57E-01	7.80E-09	1.0E+06	7.8E-03	5	7.66E-05
234	0.30255	1.89E-03	5.7E-04	1.05E-03	5.98E-07	1.24E-01	1.57E-01	1.16E-08	1.0E+06	1.2E-02	5	1.14E-04
235	0.40492	1.89E-03	7.7E-04	1.05E-03	8.00E-07	1.24E-01	1.57E-01	1.56E-08	1.0E+06	1.6E-02	5	1.53E-04
236	0.50737	1.89E-03	9.6E-04	1.05E-03	1.00E-06	1.24E-01	1.57E-01	1.95E-08	1.0E+06	2.0E-02	5	1.92E-04
237	0.73441	1.89E-03	1.4E-03	1.05E-03	1.45E-06	1.24E-01	1.57E-01	2.83E-08	1.0E+06	2.8E-02	5	2.78E-04
238	1.15869	1.89E-03	2.2E-03	1.05E-03	2.29E-06	1.24E-01	1.57E-01	4.46E-08	1.0E+06	4.5E-02	5	4.38E-04
239	1.33024	1.89E-03	2.5E-03	1.05E-03	2.63E-06	1.24E-01	1.57E-01	5.12E-08	1.0E+06	5.1E-02	5	5.03E-04
240	1.0895	1.89E-03	2.1E-03	1.05E-03	2.15E-06	1.24E-01	1.57E-01	4.19E-08	1.0E+06	4.2E-02	5	4.12E-04
241	0.75955	1.89E-03	1.4E-03	1.05E-03	1.50E-06	1.24E-01	1.57E-01	2.92E-08	1.0E+06	2.9E-02	5	2.87E-04
242	0.53889	1.89E-03	1.0E-03	1.05E-03	1.06E-06	1.24E-01	1.57E-01	2.07E-08	1.0E+06	2.1E-02	5	2.04E-04
243	0.39177	1.89E-03	7.4E-04	1.05E-03	7.74E-07	1.24E-01	1.57E-01	1.51E-08	1.0E+06	1.5E-02	5	1.48E-04
244	0.29118	1.89E-03	5.5E-04	1.05E-03	5.75E-07	1.24E-01	1.57E-01	1.12E-08	1.0E+06	1.1E-02	5	1.10E-04
245	0.22102	1.89E-03	4.2E-04	1.05E-03	4.37E-07	1.24E-01	1.57E-01	8.51E-09	1.0E+06	8.5E-03	5	8.35E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
246	0.17151	1.89E-03	3.2E-04	1.05E-03	3.39E-07	1.24E-01	1.57E-01	6.60E-09	1.0E+06	6.6E-03	5	6.48E-05
247	0.13599	1.89E-03	2.6E-04	1.05E-03	2.69E-07	1.24E-01	1.57E-01	5.23E-09	1.0E+06	5.2E-03	5	5.14E-05
248	0.10994	1.89E-03	2.1E-04	1.05E-03	2.17E-07	1.24E-01	1.57E-01	4.23E-09	1.0E+06	4.2E-03	5	4.16E-05
249	0.02517	1.89E-03	4.8E-05	1.05E-03	4.97E-08	1.24E-01	1.57E-01	9.69E-10	1.0E+06	9.7E-04	5	9.51E-06
250	0.03073	1.89E-03	5.8E-05	1.05E-03	6.07E-08	1.24E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	1.16E-05
251	0.03854	1.89E-03	7.3E-05	1.05E-03	7.61E-08	1.24E-01	1.57E-01	1.48E-09	1.0E+06	1.5E-03	5	1.46E-05
252	0.04987	1.89E-03	9.4E-05	1.05E-03	9.85E-08	1.24E-01	1.57E-01	1.92E-09	1.0E+06	1.9E-03	5	1.89E-05
253	0.06608	1.89E-03	1.2E-04	1.05E-03	1.31E-07	1.24E-01	1.57E-01	2.54E-09	1.0E+06	2.5E-03	5	2.50E-05
254	0.08949	1.89E-03	1.7E-04	1.05E-03	1.77E-07	1.24E-01	1.57E-01	3.44E-09	1.0E+06	3.4E-03	5	3.38E-05
255	0.12075	1.89E-03	2.3E-04	1.05E-03	2.39E-07	1.24E-01	1.57E-01	4.65E-09	1.0E+06	4.6E-03	5	4.56E-05
256	0.16154	1.89E-03	3.1E-04	1.05E-03	3.19E-07	1.24E-01	1.57E-01	6.22E-09	1.0E+06	6.2E-03	5	6.11E-05
257	0.20802	1.89E-03	3.9E-04	1.05E-03	4.11E-07	1.24E-01	1.57E-01	8.01E-09	1.0E+06	8.0E-03	5	7.86E-05
258	0.2628	1.89E-03	5.0E-04	1.05E-03	5.19E-07	1.24E-01	1.57E-01	1.01E-08	1.0E+06	1.0E-02	5	9.93E-05
259	0.33174	1.89E-03	6.3E-04	1.05E-03	6.55E-07	1.24E-01	1.57E-01	1.28E-08	1.0E+06	1.3E-02	5	1.25E-04
260	0.40804	1.89E-03	7.7E-04	1.05E-03	8.06E-07	1.24E-01	1.57E-01	1.57E-08	1.0E+06	1.6E-02	5	1.54E-04
261	0.46468	1.89E-03	8.8E-04	1.05E-03	9.18E-07	1.24E-01	1.57E-01	1.79E-08	1.0E+06	1.8E-02	5	1.76E-04
262	0.46625	1.89E-03	8.8E-04	1.05E-03	9.21E-07	1.24E-01	1.57E-01	1.79E-08	1.0E+06	1.8E-02	5	1.76E-04
263	0.42118	1.89E-03	8.0E-04	1.05E-03	8.32E-07	1.24E-01	1.57E-01	1.62E-08	1.0E+06	1.6E-02	5	1.59E-04
264	0.3561	1.89E-03	6.7E-04	1.05E-03	7.03E-07	1.24E-01	1.57E-01	1.37E-08	1.0E+06	1.4E-02	5	1.35E-04
265	0.29297	1.89E-03	5.5E-04	1.05E-03	5.79E-07	1.24E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.11E-04
266	0.23821	1.89E-03	4.5E-04	1.05E-03	4.71E-07	1.24E-01	1.57E-01	9.17E-09	1.0E+06	9.2E-03	5	9.00E-05
267	0.19314	1.89E-03	3.7E-04	1.05E-03	3.82E-07	1.24E-01	1.57E-01	7.43E-09	1.0E+06	7.4E-03	5	7.30E-05
268	0.1576	1.89E-03	3.0E-04	1.05E-03	3.11E-07	1.24E-01	1.57E-01	6.07E-09	1.0E+06	6.1E-03	5	5.96E-05
269	0.12976	1.89E-03	2.5E-04	1.05E-03	2.56E-07	1.24E-01	1.57E-01	4.99E-09	1.0E+06	5.0E-03	5	4.90E-05
270	0.1079	1.89E-03	2.0E-04	1.05E-03	2.13E-07	1.24E-01	1.57E-01	4.15E-09	1.0E+06	4.2E-03	5	4.08E-05
271	0.024	1.89E-03	4.5E-05	1.05E-03	4.74E-08	1.24E-01	1.57E-01	9.24E-10	1.0E+06	9.2E-04	5	9.07E-06
272	0.02857	1.89E-03	5.4E-05	1.05E-03	5.64E-08	1.24E-01	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5	1.08E-05
273	0.03462	1.89E-03	6.5E-05	1.05E-03	6.84E-08	1.24E-01	1.57E-01	1.33E-09	1.0E+06	1.3E-03	5	1.31E-05
274	0.04257	1.89E-03	8.0E-05	1.05E-03	8.41E-08	1.24E-01	1.57E-01	1.64E-09	1.0E+06	1.6E-03	5	1.61E-05
275	0.05294	1.89E-03	1.0E-04	1.05E-03	1.05E-07	1.24E-01	1.57E-01	2.04E-09	1.0E+06	2.0E-03	5	2.00E-05
276	0.06642	1.89E-03	1.3E-04	1.05E-03	1.31E-07	1.24E-01	1.57E-01	2.56E-09	1.0E+06	2.6E-03	5	2.51E-05
277	0.08343	1.89E-03	1.6E-04	1.05E-03	1.65E-07	1.24E-01	1.57E-01	3.21E-09	1.0E+06	3.2E-03	5	3.15E-05
278	0.10395	1.89E-03	2.0E-04	1.05E-03	2.05E-07	1.24E-01	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	3.93E-05
279	0.12815	1.89E-03	2.4E-04	1.05E-03	2.53E-07	1.24E-01	1.57E-01	4.93E-09	1.0E+06	4.9E-03	5	4.84E-05
280	0.15531	1.89E-03	2.9E-04	1.05E-03	3.07E-07	1.24E-01	1.57E-01	5.98E-09	1.0E+06	6.0E-03	5	5.87E-05
281	0.18524	1.89E-03	3.5E-04	1.05E-03	3.66E-07	1.24E-01	1.57E-01	7.13E-09	1.0E+06	7.1E-03	5	7.00E-05
282	0.21458	1.89E-03	4.1E-04	1.05E-03	4.24E-07	1.24E-01	1.57E-01	8.26E-09	1.0E+06	8.3E-03	5	8.11E-05
283	0.23683	1.89E-03	4.5E-04	1.05E-03	4.68E-07	1.24E-01	1.57E-01	9.12E-09	1.0E+06	9.1E-03	5	8.95E-05
284	0.24438	1.89E-03	4.6E-04	1.05E-03	4.83E-07	1.24E-01	1.57E-01	9.41E-09	1.0E+06	9.4E-03	5	9.24E-05
285	0.24228	1.89E-03	4.6E-04	1.05E-03	4.79E-07	1.24E-01	1.57E-01	9.33E-09	1.0E+06	9.3E-03	5	9.16E-05
286	0.2275	1.89E-03	4.3E-04	1.05E-03	4.49E-07	1.24E-01	1.57E-01	8.76E-09	1.0E+06	8.8E-03	5	8.60E-05
287	0.20535	1.89E-03	3.9E-04	1.05E-03	4.06E-07	1.24E-01	1.57E-01	7.90E-09	1.0E+06	7.9E-03	5	7.76E-05
288	0.18088	1.89E-03	3.4E-04	1.05E-03	3.57E-07	1.24E-01	1.57E-01	6.96E-09	1.0E+06	7.0E-03	5	6.84E-05
289	0.15656	1.89E-03	3.0E-04	1.05E-03	3.09E-07	1.24E-01	1.57E-01	6.03E-09	1.0E+06	6.0E-03	5	5.92E-05
290	0.13505	1.89E-03	2.6E-04	1.05E-03	2.67E-07	1.24E-01	1.57E-01	5.20E-09	1.0E+06	5.2E-03	5	5.10E-05
291	0.11583	1.89E-03	2.2E-04	1.05E-03	2.29E-07	1.24E-01	1.57E-01	4.46E-09	1.0E+06	4.5E-03	5	4.38E-05
292	0.09962	1.89E-03	1.9E-04	1.05E-03	1.97E-07	1.24E-01	1.57E-01	3.83E-09	1.0E+06	3.8E-03	5	3.77E-05
293	0.02265	1.89E-03	4.3E-05	1.05E-03	4.47E-08	1.24E-01	1.57E-01	8.72E-10	1.0E+06	8.7E-04	5	8.56E-06
294	0.02634	1.89E-03	5.0E-05	1.05E-03	5.20E-08	1.24E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	9.96E-06

9th and Vineyard

SLINE19 - Grading Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
295	0.03091	1.89E-03	5.8E-05	1.05E-03	6.11E-08	1.24E-01	1.57E-01	1.19E-09	1.0E+06	1.2E-03	5	1.17E-05
296	0.03651	1.89E-03	6.9E-05	1.05E-03	7.21E-08	1.24E-01	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	1.38E-05
297	0.04345	1.89E-03	8.2E-05	1.05E-03	8.58E-08	1.24E-01	1.57E-01	1.67E-09	1.0E+06	1.7E-03	5	1.64E-05
298	0.05188	1.89E-03	9.8E-05	1.05E-03	1.02E-07	1.24E-01	1.57E-01	2.00E-09	1.0E+06	2.0E-03	5	1.96E-05
299	0.06211	1.89E-03	1.2E-04	1.05E-03	1.23E-07	1.24E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	2.35E-05
300	0.07428	1.89E-03	1.4E-04	1.05E-03	1.47E-07	1.24E-01	1.57E-01	2.86E-09	1.0E+06	2.9E-03	5	2.81E-05
301	0.08731	1.89E-03	1.7E-04	1.05E-03	1.72E-07	1.24E-01	1.57E-01	3.36E-09	1.0E+06	3.4E-03	5	3.30E-05
302	0.10189	1.89E-03	1.9E-04	1.05E-03	2.01E-07	1.24E-01	1.57E-01	3.92E-09	1.0E+06	3.9E-03	5	3.85E-05
303	0.11694	1.89E-03	2.2E-04	1.05E-03	2.31E-07	1.24E-01	1.57E-01	4.50E-09	1.0E+06	4.5E-03	5	4.42E-05
304	0.13182	1.89E-03	2.5E-04	1.05E-03	2.60E-07	1.24E-01	1.57E-01	5.07E-09	1.0E+06	5.1E-03	5	4.98E-05
305	0.14328	1.89E-03	2.7E-04	1.05E-03	2.83E-07	1.24E-01	1.57E-01	5.52E-09	1.0E+06	5.5E-03	5	5.42E-05
306	0.14962	1.89E-03	2.8E-04	1.05E-03	2.96E-07	1.24E-01	1.57E-01	5.76E-09	1.0E+06	5.8E-03	5	5.66E-05
307	0.152	1.89E-03	2.9E-04	1.05E-03	3.00E-07	1.24E-01	1.57E-01	5.85E-09	1.0E+06	5.9E-03	5	5.75E-05
308	0.14951	1.89E-03	2.8E-04	1.05E-03	2.95E-07	1.24E-01	1.57E-01	5.75E-09	1.0E+06	5.8E-03	5	5.65E-05
309	0.14425	1.89E-03	2.7E-04	1.05E-03	2.85E-07	1.24E-01	1.57E-01	5.55E-09	1.0E+06	5.6E-03	5	5.45E-05
310	0.13414	1.89E-03	2.5E-04	1.05E-03	2.65E-07	1.24E-01	1.57E-01	5.16E-09	1.0E+06	5.2E-03	5	5.07E-05
311	0.12259	1.89E-03	2.3E-04	1.05E-03	2.42E-07	1.24E-01	1.57E-01	4.72E-09	1.0E+06	4.7E-03	5	4.63E-05
312	0.11084	1.89E-03	2.1E-04	1.05E-03	2.19E-07	1.24E-01	1.57E-01	4.27E-09	1.0E+06	4.3E-03	5	4.19E-05
313	0.09894	1.89E-03	1.9E-04	1.05E-03	1.95E-07	1.24E-01	1.57E-01	3.81E-09	1.0E+06	3.8E-03	5	3.74E-05
314	0.08795	1.89E-03	1.7E-04	1.05E-03	1.74E-07	1.24E-01	1.57E-01	3.39E-09	1.0E+06	3.4E-03	5	3.32E-05
315	0.0212	1.89E-03	4.0E-05	1.05E-03	4.19E-08	1.24E-01	1.57E-01	8.16E-10	1.0E+06	8.2E-04	5	8.01E-06
316	0.02412	1.89E-03	4.6E-05	1.05E-03	4.76E-08	1.24E-01	1.57E-01	9.28E-10	1.0E+06	9.3E-04	5	9.12E-06
317	0.02756	1.89E-03	5.2E-05	1.05E-03	5.44E-08	1.24E-01	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	1.04E-05
318	0.03158	1.89E-03	6.0E-05	1.05E-03	6.24E-08	1.24E-01	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5	1.19E-05
319	0.03626	1.89E-03	6.9E-05	1.05E-03	7.16E-08	1.24E-01	1.57E-01	1.40E-09	1.0E+06	1.4E-03	5	1.37E-05
320	0.04201	1.89E-03	7.9E-05	1.05E-03	8.30E-08	1.24E-01	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5	1.59E-05
321	0.04848	1.89E-03	9.2E-05	1.05E-03	9.58E-08	1.24E-01	1.57E-01	1.87E-09	1.0E+06	1.9E-03	5	1.83E-05
322	0.05585	1.89E-03	1.1E-04	1.05E-03	1.10E-07	1.24E-01	1.57E-01	2.15E-09	1.0E+06	2.1E-03	5	2.11E-05
323	0.06392	1.89E-03	1.2E-04	1.05E-03	1.26E-07	1.24E-01	1.57E-01	2.46E-09	1.0E+06	2.5E-03	5	2.42E-05
324	0.07224	1.89E-03	1.4E-04	1.05E-03	1.43E-07	1.24E-01	1.57E-01	2.78E-09	1.0E+06	2.8E-03	5	2.73E-05
325	0.08079	1.89E-03	1.5E-04	1.05E-03	1.60E-07	1.24E-01	1.57E-01	3.11E-09	1.0E+06	3.1E-03	5	3.05E-05
326	0.08923	1.89E-03	1.7E-04	1.05E-03	1.76E-07	1.24E-01	1.57E-01	3.43E-09	1.0E+06	3.4E-03	5	3.37E-05
327	0.09775	1.89E-03	1.8E-04	1.05E-03	1.93E-07	1.24E-01	1.57E-01	3.76E-09	1.0E+06	3.8E-03	5	3.69E-05
328	0.10056	1.89E-03	1.9E-04	1.05E-03	1.99E-07	1.24E-01	1.57E-01	3.87E-09	1.0E+06	3.9E-03	5	3.80E-05
329	0.10323	1.89E-03	2.0E-04	1.05E-03	2.04E-07	1.24E-01	1.57E-01	3.97E-09	1.0E+06	4.0E-03	5	3.90E-05
330	0.10406	1.89E-03	2.0E-04	1.05E-03	2.06E-07	1.24E-01	1.57E-01	4.01E-09	1.0E+06	4.0E-03	5	3.93E-05
331	0.10287	1.89E-03	1.9E-04	1.05E-03	2.03E-07	1.24E-01	1.57E-01	3.96E-09	1.0E+06	4.0E-03	5	3.89E-05
332	0.09973	1.89E-03	1.9E-04	1.05E-03	1.97E-07	1.24E-01	1.57E-01	3.84E-09	1.0E+06	3.8E-03	5	3.77E-05
333	0.09463	1.89E-03	1.8E-04	1.05E-03	1.87E-07	1.24E-01	1.57E-01	3.64E-09	1.0E+06	3.6E-03	5	3.58E-05
334	0.08888	1.89E-03	1.7E-04	1.05E-03	1.76E-07	1.24E-01	1.57E-01	3.42E-09	1.0E+06	3.4E-03	5	3.36E-05
335	0.08226	1.89E-03	1.6E-04	1.05E-03	1.62E-07	1.24E-01	1.57E-01	3.17E-09	1.0E+06	3.2E-03	5	3.11E-05
336	0.07547	1.89E-03	1.4E-04	1.05E-03	1.49E-07	1.24E-01	1.57E-01	2.91E-09	1.0E+06	2.9E-03	5	2.85E-05
337	0.01978	1.89E-03	3.7E-05	1.05E-03	3.91E-08	1.24E-01	1.57E-01	7.61E-10	1.0E+06	7.6E-04	5	7.48E-06
338	0.02207	1.89E-03	4.2E-05	1.05E-03	4.36E-08	1.24E-01	1.57E-01	8.50E-10	1.0E+06	8.5E-04	5	8.34E-06
339	0.02464	1.89E-03	4.7E-05	1.05E-03	4.87E-08	1.24E-01	1.57E-01	9.48E-10	1.0E+06	9.5E-04	5	9.31E-06
340	0.02761	1.89E-03	5.2E-05	1.05E-03	5.45E-08	1.24E-01	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	1.04E-05
341	0.03095	1.89E-03	5.8E-05	1.05E-03	6.11E-08	1.24E-01	1.57E-01	1.19E-09	1.0E+06	1.2E-03	5	1.17E-05
342	0.0349	1.89E-03	6.6E-05	1.05E-03	6.89E-08	1.24E-01	1.57E-01	1.34E-09	1.0E+06	1.3E-03	5	1.32E-05
343	0.03919	1.89E-03	7.4E-05	1.05E-03	7.74E-08	1.24E-01	1.57E-01	1.51E-09	1.0E+06	1.5E-03	5	1.48E-05

9th and Vineyard

SLINE19 - Grading Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
344	0.04397	1.89E-03	8.3E-05	1.05E-03	8.69E-08	1.24E-01	1.57E-01	1.69E-09	1.0E+06	1.7E-03	5	1.66E-05
345	0.04905	1.89E-03	9.3E-05	1.05E-03	9.69E-08	1.24E-01	1.57E-01	1.89E-09	1.0E+06	1.9E-03	5	1.85E-05
346	0.05441	1.89E-03	1.0E-04	1.05E-03	1.07E-07	1.24E-01	1.57E-01	2.09E-09	1.0E+06	2.1E-03	5	2.06E-05
347	0.05965	1.89E-03	1.1E-04	1.05E-03	1.18E-07	1.24E-01	1.57E-01	2.30E-09	1.0E+06	2.3E-03	5	2.25E-05
348	0.0648	1.89E-03	1.2E-04	1.05E-03	1.28E-07	1.24E-01	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5	2.45E-05
349	0.06869	1.89E-03	1.3E-04	1.05E-03	1.36E-07	1.24E-01	1.57E-01	2.64E-09	1.0E+06	2.6E-03	5	2.60E-05
350	0.07216	1.89E-03	1.4E-04	1.05E-03	1.43E-07	1.24E-01	1.57E-01	2.78E-09	1.0E+06	2.8E-03	5	2.73E-05
351	0.0746	1.89E-03	1.4E-04	1.05E-03	1.47E-07	1.24E-01	1.57E-01	2.87E-09	1.0E+06	2.9E-03	5	2.82E-05
352	0.07569	1.89E-03	1.4E-04	1.05E-03	1.50E-07	1.24E-01	1.57E-01	2.91E-09	1.0E+06	2.9E-03	5	2.86E-05
353	0.07629	1.89E-03	1.4E-04	1.05E-03	1.51E-07	1.24E-01	1.57E-01	2.94E-09	1.0E+06	2.9E-03	5	2.88E-05
354	0.07544	1.89E-03	1.4E-04	1.05E-03	1.49E-07	1.24E-01	1.57E-01	2.90E-09	1.0E+06	2.9E-03	5	2.85E-05
355	0.07372	1.89E-03	1.4E-04	1.05E-03	1.46E-07	1.24E-01	1.57E-01	2.84E-09	1.0E+06	2.8E-03	5	2.79E-05
356	0.07108	1.89E-03	1.3E-04	1.05E-03	1.40E-07	1.24E-01	1.57E-01	2.74E-09	1.0E+06	2.7E-03	5	2.69E-05
357	0.0676	1.89E-03	1.3E-04	1.05E-03	1.34E-07	1.24E-01	1.57E-01	2.60E-09	1.0E+06	2.6E-03	5	2.56E-05
358	0.06366	1.89E-03	1.2E-04	1.05E-03	1.26E-07	1.24E-01	1.57E-01	2.45E-09	1.0E+06	2.5E-03	5	2.41E-05
359	0.01838	1.89E-03	3.5E-05	1.05E-03	3.63E-08	1.24E-01	1.57E-01	7.07E-10	1.0E+06	7.1E-04	5	6.95E-06
360	0.02018	1.89E-03	3.8E-05	1.05E-03	3.99E-08	1.24E-01	1.57E-01	7.77E-10	1.0E+06	7.8E-04	5	7.63E-06
361	0.02215	1.89E-03	4.2E-05	1.05E-03	4.38E-08	1.24E-01	1.57E-01	8.53E-10	1.0E+06	8.5E-04	5	8.37E-06
362	0.02434	1.89E-03	4.6E-05	1.05E-03	4.81E-08	1.24E-01	1.57E-01	9.37E-10	1.0E+06	9.4E-04	5	9.20E-06
363	0.02676	1.89E-03	5.1E-05	1.05E-03	5.29E-08	1.24E-01	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	1.01E-05
364	0.02952	1.89E-03	5.6E-05	1.05E-03	5.83E-08	1.24E-01	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	1.12E-05
365	0.03254	1.89E-03	6.1E-05	1.05E-03	6.43E-08	1.24E-01	1.57E-01	1.25E-09	1.0E+06	1.3E-03	5	1.23E-05
366	0.0358	1.89E-03	6.8E-05	1.05E-03	7.07E-08	1.24E-01	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5	1.35E-05
367	0.0393	1.89E-03	7.4E-05	1.05E-03	7.76E-08	1.24E-01	1.57E-01	1.51E-09	1.0E+06	1.5E-03	5	1.49E-05
368	0.04282	1.89E-03	8.1E-05	1.05E-03	8.46E-08	1.24E-01	1.57E-01	1.65E-09	1.0E+06	1.6E-03	5	1.62E-05
369	0.04625	1.89E-03	8.7E-05	1.05E-03	9.14E-08	1.24E-01	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5	1.75E-05
370	0.04946	1.89E-03	9.3E-05	1.05E-03	9.77E-08	1.24E-01	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	1.87E-05
371	0.05247	1.89E-03	9.9E-05	1.05E-03	1.04E-07	1.24E-01	1.57E-01	2.02E-09	1.0E+06	2.0E-03	5	1.98E-05
372	0.05492	1.89E-03	1.0E-04	1.05E-03	1.08E-07	1.24E-01	1.57E-01	2.11E-09	1.0E+06	2.1E-03	5	2.08E-05
373	0.05664	1.89E-03	1.1E-04	1.05E-03	1.12E-07	1.24E-01	1.57E-01	2.18E-09	1.0E+06	2.2E-03	5	2.14E-05
374	0.05774	1.89E-03	1.1E-04	1.05E-03	1.14E-07	1.24E-01	1.57E-01	2.22E-09	1.0E+06	2.2E-03	5	2.18E-05
375	0.05858	1.89E-03	1.1E-04	1.05E-03	1.16E-07	1.24E-01	1.57E-01	2.25E-09	1.0E+06	2.3E-03	5	2.21E-05
376	0.05867	1.89E-03	1.1E-04	1.05E-03	1.16E-07	1.24E-01	1.57E-01	2.26E-09	1.0E+06	2.3E-03	5	2.22E-05
377	0.05825	1.89E-03	1.1E-04	1.05E-03	1.15E-07	1.24E-01	1.57E-01	2.24E-09	1.0E+06	2.2E-03	5	2.20E-05
378	0.05741	1.89E-03	1.1E-04	1.05E-03	1.13E-07	1.24E-01	1.57E-01	2.21E-09	1.0E+06	2.2E-03	5	2.17E-05
379	0.05579	1.89E-03	1.1E-04	1.05E-03	1.10E-07	1.24E-01	1.57E-01	2.15E-09	1.0E+06	2.1E-03	5	2.11E-05
380	0.05355	1.89E-03	1.0E-04	1.05E-03	1.06E-07	1.24E-01	1.57E-01	2.06E-09	1.0E+06	2.1E-03	5	2.02E-05
381	0.02253	1.89E-03	4.3E-05	1.05E-03	4.45E-08	1.24E-01	1.57E-01	8.67E-10	1.0E+06	8.7E-04	5	8.52E-06
382	0.02599	1.89E-03	4.9E-05	1.05E-03	5.13E-08	1.24E-01	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5	9.82E-06
383	0.03011	1.89E-03	5.7E-05	1.05E-03	5.95E-08	1.24E-01	1.57E-01	1.16E-09	1.0E+06	1.2E-03	5	1.14E-05
384	0.03483	1.89E-03	6.6E-05	1.05E-03	6.88E-08	1.24E-01	1.57E-01	1.34E-09	1.0E+06	1.3E-03	5	1.32E-05
385	0.03991	1.89E-03	7.5E-05	1.05E-03	7.88E-08	1.24E-01	1.57E-01	1.54E-09	1.0E+06	1.5E-03	5	1.51E-05
386	0.04497	1.89E-03	8.5E-05	1.05E-03	8.88E-08	1.24E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	1.70E-05
387	0.04947	1.89E-03	9.3E-05	1.05E-03	9.77E-08	1.24E-01	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	1.87E-05
388	0.05286	1.89E-03	1.0E-04	1.05E-03	1.04E-07	1.24E-01	1.57E-01	2.03E-09	1.0E+06	2.0E-03	5	2.00E-05
389	0.05477	1.89E-03	1.0E-04	1.05E-03	1.08E-07	1.24E-01	1.57E-01	2.11E-09	1.0E+06	2.1E-03	5	2.07E-05
390	0.05498	1.89E-03	1.0E-04	1.05E-03	1.09E-07	1.24E-01	1.57E-01	2.12E-09	1.0E+06	2.1E-03	5	2.08E-05
391	0.05344	1.89E-03	1.0E-04	1.05E-03	1.06E-07	1.24E-01	1.57E-01	2.06E-09	1.0E+06	2.1E-03	5	2.02E-05
392	0.0503	1.89E-03	9.5E-05	1.05E-03	9.94E-08	1.24E-01	1.57E-01	1.94E-09	1.0E+06	1.9E-03	5	1.90E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
393	0.04596	1.89E-03	8.7E-05	1.05E-03	9.08E-08	1.24E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5	1.74E-05
394	0.04096	1.89E-03	7.7E-05	1.05E-03	8.09E-08	1.24E-01	1.57E-01	1.58E-09	1.0E+06	1.6E-03	5	1.55E-05
395	0.03596	1.89E-03	6.8E-05	1.05E-03	7.10E-08	1.24E-01	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5	1.36E-05
396	0.03142	1.89E-03	5.9E-05	1.05E-03	6.21E-08	1.24E-01	1.57E-01	1.21E-09	1.0E+06	1.2E-03	5	1.19E-05
397	0.02755	1.89E-03	5.2E-05	1.05E-03	5.44E-08	1.24E-01	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	1.04E-05
398	0.02439	1.89E-03	4.6E-05	1.05E-03	4.82E-08	1.24E-01	1.57E-01	9.39E-10	1.0E+06	9.4E-04	5	9.22E-06
399	0.02578	1.89E-03	4.9E-05	1.05E-03	5.09E-08	1.24E-01	1.57E-01	9.92E-10	1.0E+06	9.9E-04	5	9.74E-06
400	0.0307	1.89E-03	5.8E-05	1.05E-03	6.06E-08	1.24E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	1.16E-05
401	0.03693	1.89E-03	7.0E-05	1.05E-03	7.30E-08	1.24E-01	1.57E-01	1.42E-09	1.0E+06	1.4E-03	5	1.40E-05
402	0.04461	1.89E-03	8.4E-05	1.05E-03	8.81E-08	1.24E-01	1.57E-01	1.72E-09	1.0E+06	1.7E-03	5	1.69E-05
403	0.05344	1.89E-03	1.0E-04	1.05E-03	1.06E-07	1.24E-01	1.57E-01	2.06E-09	1.0E+06	2.1E-03	5	2.02E-05
404	0.06254	1.89E-03	1.2E-04	1.05E-03	1.24E-07	1.24E-01	1.57E-01	2.41E-09	1.0E+06	2.4E-03	5	2.36E-05
405	0.07072	1.89E-03	1.3E-04	1.05E-03	1.40E-07	1.24E-01	1.57E-01	2.72E-09	1.0E+06	2.7E-03	5	2.67E-05
406	0.0769	1.89E-03	1.5E-04	1.05E-03	1.52E-07	1.24E-01	1.57E-01	2.96E-09	1.0E+06	3.0E-03	5	2.91E-05
407	0.08045	1.89E-03	1.5E-04	1.05E-03	1.59E-07	1.24E-01	1.57E-01	3.10E-09	1.0E+06	3.1E-03	5	3.04E-05
408	0.08098	1.89E-03	1.5E-04	1.05E-03	1.60E-07	1.24E-01	1.57E-01	3.12E-09	1.0E+06	3.1E-03	5	3.06E-05
409	0.07837	1.89E-03	1.5E-04	1.05E-03	1.55E-07	1.24E-01	1.57E-01	3.02E-09	1.0E+06	3.0E-03	5	2.96E-05
410	0.07278	1.89E-03	1.4E-04	1.05E-03	1.44E-07	1.24E-01	1.57E-01	2.80E-09	1.0E+06	2.8E-03	5	2.75E-05
411	0.06487	1.89E-03	1.2E-04	1.05E-03	1.28E-07	1.24E-01	1.57E-01	2.50E-09	1.0E+06	2.5E-03	5	2.45E-05
412	0.05595	1.89E-03	1.1E-04	1.05E-03	1.11E-07	1.24E-01	1.57E-01	2.15E-09	1.0E+06	2.2E-03	5	2.11E-05
413	0.04746	1.89E-03	9.0E-05	1.05E-03	9.38E-08	1.24E-01	1.57E-01	1.83E-09	1.0E+06	1.8E-03	5	1.79E-05
414	0.04023	1.89E-03	7.6E-05	1.05E-03	7.95E-08	1.24E-01	1.57E-01	1.55E-09	1.0E+06	1.5E-03	5	1.52E-05
415	0.03449	1.89E-03	6.5E-05	1.05E-03	6.81E-08	1.24E-01	1.57E-01	1.33E-09	1.0E+06	1.3E-03	5	1.30E-05
416	0.03005	1.89E-03	5.7E-05	1.05E-03	5.94E-08	1.24E-01	1.57E-01	1.16E-09	1.0E+06	1.2E-03	5	1.14E-05
417	0.02937	1.89E-03	5.6E-05	1.05E-03	5.80E-08	1.24E-01	1.57E-01	1.13E-09	1.0E+06	1.1E-03	5	1.11E-05
418	0.0364	1.89E-03	6.9E-05	1.05E-03	7.19E-08	1.24E-01	1.57E-01	1.40E-09	1.0E+06	1.4E-03	5	1.38E-05
419	0.04611	1.89E-03	8.7E-05	1.05E-03	9.11E-08	1.24E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5	1.74E-05
420	0.05935	1.89E-03	1.1E-04	1.05E-03	1.17E-07	1.24E-01	1.57E-01	2.28E-09	1.0E+06	2.3E-03	5	2.24E-05
421	0.07596	1.89E-03	1.4E-04	1.05E-03	1.50E-07	1.24E-01	1.57E-01	2.92E-09	1.0E+06	2.9E-03	5	2.87E-05
422	0.09402	1.89E-03	1.8E-04	1.05E-03	1.86E-07	1.24E-01	1.57E-01	3.62E-09	1.0E+06	3.6E-03	5	3.55E-05
423	0.11027	1.89E-03	2.1E-04	1.05E-03	2.18E-07	1.24E-01	1.57E-01	4.24E-09	1.0E+06	4.2E-03	5	4.17E-05
424	0.12235	1.89E-03	2.3E-04	1.05E-03	2.42E-07	1.24E-01	1.57E-01	4.71E-09	1.0E+06	4.7E-03	5	4.62E-05
425	0.1296	1.89E-03	2.4E-04	1.05E-03	2.56E-07	1.24E-01	1.57E-01	4.99E-09	1.0E+06	5.0E-03	5	4.90E-05
426	0.13138	1.89E-03	2.5E-04	1.05E-03	2.60E-07	1.24E-01	1.57E-01	5.06E-09	1.0E+06	5.1E-03	5	4.97E-05
427	0.1271	1.89E-03	2.4E-04	1.05E-03	2.51E-07	1.24E-01	1.57E-01	4.89E-09	1.0E+06	4.9E-03	5	4.80E-05
428	0.11634	1.89E-03	2.2E-04	1.05E-03	2.30E-07	1.24E-01	1.57E-01	4.48E-09	1.0E+06	4.5E-03	5	4.40E-05
429	0.10035	1.89E-03	1.9E-04	1.05E-03	1.98E-07	1.24E-01	1.57E-01	3.86E-09	1.0E+06	3.9E-03	5	3.79E-05
430	0.08254	1.89E-03	1.6E-04	1.05E-03	1.63E-07	1.24E-01	1.57E-01	3.18E-09	1.0E+06	3.2E-03	5	3.12E-05
431	0.06669	1.89E-03	1.3E-04	1.05E-03	1.32E-07	1.24E-01	1.57E-01	2.57E-09	1.0E+06	2.6E-03	5	2.52E-05
432	0.05447	1.89E-03	1.0E-04	1.05E-03	1.08E-07	1.24E-01	1.57E-01	2.10E-09	1.0E+06	2.1E-03	5	2.06E-05
433	0.04551	1.89E-03	8.6E-05	1.05E-03	8.99E-08	1.24E-01	1.57E-01	1.75E-09	1.0E+06	1.8E-03	5	1.72E-05
434	0.03897	1.89E-03	7.4E-05	1.05E-03	7.70E-08	1.24E-01	1.57E-01	1.50E-09	1.0E+06	1.5E-03	5	1.47E-05
435	0.03292	1.89E-03	6.2E-05	1.05E-03	6.50E-08	1.24E-01	1.57E-01	1.27E-09	1.0E+06	1.3E-03	5	1.24E-05
436	0.04278	1.89E-03	8.1E-05	1.05E-03	8.45E-08	1.24E-01	1.57E-01	1.65E-09	1.0E+06	1.6E-03	5	1.62E-05
437	0.05819	1.89E-03	1.1E-04	1.05E-03	1.15E-07	1.24E-01	1.57E-01	2.24E-09	1.0E+06	2.2E-03	5	2.20E-05
438	0.08234	1.89E-03	1.6E-04	1.05E-03	1.63E-07	1.24E-01	1.57E-01	3.17E-09	1.0E+06	3.2E-03	5	3.11E-05
439	0.11798	1.89E-03	2.2E-04	1.05E-03	2.33E-07	1.24E-01	1.57E-01	4.54E-09	1.0E+06	4.5E-03	5	4.46E-05
440	0.16126	1.89E-03	3.0E-04	1.05E-03	3.19E-07	1.24E-01	1.57E-01	6.21E-09	1.0E+06	6.2E-03	5	6.10E-05
441	0.19877	1.89E-03	3.8E-04	1.05E-03	3.93E-07	1.24E-01	1.57E-01	7.65E-09	1.0E+06	7.7E-03	5	7.51E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
442	0.22434	1.89E-03	4.2E-04	1.05E-03	4.43E-07	1.24E-01	1.57E-01	8.64E-09	1.0E+06	8.6E-03	5	8.48E-05
443	0.24083	1.89E-03	4.6E-04	1.05E-03	4.76E-07	1.24E-01	1.57E-01	9.27E-09	1.0E+06	9.3E-03	5	9.10E-05
444	0.24807	1.89E-03	4.7E-04	1.05E-03	4.90E-07	1.24E-01	1.57E-01	9.55E-09	1.0E+06	9.5E-03	5	9.38E-05
445	0.24147	1.89E-03	4.6E-04	1.05E-03	4.77E-07	1.24E-01	1.57E-01	9.29E-09	1.0E+06	9.3E-03	5	9.13E-05
446	0.21912	1.89E-03	4.1E-04	1.05E-03	4.33E-07	1.24E-01	1.57E-01	8.43E-09	1.0E+06	8.4E-03	5	8.28E-05
447	0.18022	1.89E-03	3.4E-04	1.05E-03	3.56E-07	1.24E-01	1.57E-01	6.94E-09	1.0E+06	6.9E-03	5	6.81E-05
448	0.13666	1.89E-03	2.6E-04	1.05E-03	2.70E-07	1.24E-01	1.57E-01	5.26E-09	1.0E+06	5.3E-03	5	5.17E-05
449	0.10262	1.89E-03	1.9E-04	1.05E-03	2.03E-07	1.24E-01	1.57E-01	3.95E-09	1.0E+06	4.0E-03	5	3.88E-05
450	0.07989	1.89E-03	1.5E-04	1.05E-03	1.58E-07	1.24E-01	1.57E-01	3.08E-09	1.0E+06	3.1E-03	5	3.02E-05
451	0.06471	1.89E-03	1.2E-04	1.05E-03	1.28E-07	1.24E-01	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5	2.45E-05
452	0.05388	1.89E-03	1.0E-04	1.05E-03	1.06E-07	1.24E-01	1.57E-01	2.07E-09	1.0E+06	2.1E-03	5	2.04E-05
453	0.03603	1.89E-03	6.8E-05	1.05E-03	7.12E-08	1.24E-01	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5	1.36E-05
454	0.04899	1.89E-03	9.3E-05	1.05E-03	9.68E-08	1.24E-01	1.57E-01	1.89E-09	1.0E+06	1.9E-03	5	1.85E-05
455	0.07223	1.89E-03	1.4E-04	1.05E-03	1.43E-07	1.24E-01	1.57E-01	2.78E-09	1.0E+06	2.8E-03	5	2.73E-05
456	0.11701	1.89E-03	2.2E-04	1.05E-03	2.31E-07	1.24E-01	1.57E-01	4.50E-09	1.0E+06	4.5E-03	5	4.42E-05
457	0.2127	1.89E-03	4.0E-04	1.05E-03	4.20E-07	1.24E-01	1.57E-01	8.19E-09	1.0E+06	8.2E-03	5	8.04E-05
458	0.37369	1.89E-03	7.1E-04	1.05E-03	7.38E-07	1.24E-01	1.57E-01	1.44E-08	1.0E+06	1.4E-02	5	1.41E-04
459	0.48978	1.89E-03	9.3E-04	1.05E-03	9.68E-07	1.24E-01	1.57E-01	1.89E-08	1.0E+06	1.9E-02	5	1.85E-04
460	0.55097	1.89E-03	1.0E-03	1.05E-03	1.09E-06	1.24E-01	1.57E-01	2.12E-08	1.0E+06	2.1E-02	5	2.08E-04
461	0.59804	1.89E-03	1.1E-03	1.05E-03	1.18E-06	1.24E-01	1.57E-01	2.30E-08	1.0E+06	2.3E-02	5	2.26E-04
462	0.63882	1.89E-03	1.2E-03	1.05E-03	1.26E-06	1.24E-01	1.57E-01	2.46E-08	1.0E+06	2.5E-02	5	2.41E-04
463	0.6226	1.89E-03	1.2E-03	1.05E-03	1.23E-06	1.24E-01	1.57E-01	2.40E-08	1.0E+06	2.4E-02	5	2.35E-04
464	0.57784	1.89E-03	1.1E-03	1.05E-03	1.14E-06	1.24E-01	1.57E-01	2.22E-08	1.0E+06	2.2E-02	5	2.18E-04
465	0.43858	1.89E-03	8.3E-04	1.05E-03	8.66E-07	1.24E-01	1.57E-01	1.69E-08	1.0E+06	1.7E-02	5	1.66E-04
466	0.274	1.89E-03	5.2E-04	1.05E-03	5.41E-07	1.24E-01	1.57E-01	1.05E-08	1.0E+06	1.1E-02	5	1.04E-04
467	0.18051	1.89E-03	3.4E-04	1.05E-03	3.57E-07	1.24E-01	1.57E-01	6.95E-09	1.0E+06	6.9E-03	5	6.82E-05
468	0.12984	1.89E-03	2.5E-04	1.05E-03	2.56E-07	1.24E-01	1.57E-01	5.00E-09	1.0E+06	5.0E-03	5	4.91E-05
469	0.09899	1.89E-03	1.9E-04	1.05E-03	1.96E-07	1.24E-01	1.57E-01	3.81E-09	1.0E+06	3.8E-03	5	3.74E-05
470	0.07854	1.89E-03	1.5E-04	1.05E-03	1.55E-07	1.24E-01	1.57E-01	3.02E-09	1.0E+06	3.0E-03	5	2.97E-05
471	0.03816	1.89E-03	7.2E-05	1.05E-03	7.54E-08	1.24E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	1.44E-05
472	0.05389	1.89E-03	1.0E-04	1.05E-03	1.06E-07	1.24E-01	1.57E-01	2.07E-09	1.0E+06	2.1E-03	5	2.04E-05
473	0.08442	1.89E-03	1.6E-04	1.05E-03	1.67E-07	1.24E-01	1.57E-01	3.25E-09	1.0E+06	3.2E-03	5	3.19E-05
474	0.15668	1.89E-03	3.0E-04	1.05E-03	3.10E-07	1.24E-01	1.57E-01	6.03E-09	1.0E+06	6.0E-03	5	5.92E-05
475	0.43093	1.89E-03	8.1E-04	1.05E-03	8.51E-07	1.24E-01	1.57E-01	1.66E-08	1.0E+06	1.7E-02	5	1.63E-04
476	0.71106	1.89E-03	1.3E-03	1.05E-03	1.40E-06	1.24E-01	1.57E-01	2.74E-08	1.0E+06	2.7E-02	5	2.69E-04
477	0.35026	1.89E-03	6.6E-04	1.05E-03	6.92E-07	1.24E-01	1.57E-01	1.35E-08	1.0E+06	1.3E-02	5	1.32E-04
478	0.21915	1.89E-03	4.1E-04	1.05E-03	4.33E-07	1.24E-01	1.57E-01	8.44E-09	1.0E+06	8.4E-03	5	8.28E-05
479	0.15338	1.89E-03	2.9E-04	1.05E-03	3.03E-07	1.24E-01	1.57E-01	5.90E-09	1.0E+06	5.9E-03	5	5.80E-05
480	0.11466	1.89E-03	2.2E-04	1.05E-03	2.26E-07	1.24E-01	1.57E-01	4.41E-09	1.0E+06	4.4E-03	5	4.33E-05
481	0.03927	1.89E-03	7.4E-05	1.05E-03	7.76E-08	1.24E-01	1.57E-01	1.51E-09	1.0E+06	1.5E-03	5	1.48E-05
482	0.05613	1.89E-03	1.1E-04	1.05E-03	1.11E-07	1.24E-01	1.57E-01	2.16E-09	1.0E+06	2.2E-03	5	2.12E-05
483	0.08932	1.89E-03	1.7E-04	1.05E-03	1.76E-07	1.24E-01	1.57E-01	3.44E-09	1.0E+06	3.4E-03	5	3.38E-05
484	0.17498	1.89E-03	3.3E-04	1.05E-03	3.46E-07	1.24E-01	1.57E-01	6.74E-09	1.0E+06	6.7E-03	5	6.61E-05
485	0.568	1.89E-03	1.1E-03	1.05E-03	1.12E-06	1.24E-01	1.57E-01	2.19E-08	1.0E+06	2.2E-02	5	2.15E-04
486	1.18579	1.89E-03	2.2E-03	1.05E-03	2.34E-06	1.24E-01	1.57E-01	4.56E-08	1.0E+06	4.6E-02	5	4.48E-04
487	0.55103	1.89E-03	1.0E-03	1.05E-03	1.09E-06	1.24E-01	1.57E-01	2.12E-08	1.0E+06	2.1E-02	5	2.08E-04
488	0.32582	1.89E-03	6.2E-04	1.05E-03	6.44E-07	1.24E-01	1.57E-01	1.25E-08	1.0E+06	1.3E-02	5	1.23E-04
489	0.21679	1.89E-03	4.1E-04	1.05E-03	4.28E-07	1.24E-01	1.57E-01	8.34E-09	1.0E+06	8.3E-03	5	8.19E-05
490	0.1558	1.89E-03	2.9E-04	1.05E-03	3.08E-07	1.24E-01	1.57E-01	6.00E-09	1.0E+06	6.0E-03	5	5.89E-05

9th and Vineyard

SLINE19 - Grading Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
491	0.0391	1.89E-03	7.4E-05	1.05E-03	7.72E-08	1.24E-01	1.57E-01	1.51E-09	1.0E+06	1.5E-03	5	1.48E-05
492	0.05503	1.89E-03	1.0E-04	1.05E-03	1.09E-07	1.24E-01	1.57E-01	2.12E-09	1.0E+06	2.1E-03	5	2.08E-05
493	0.0853	1.89E-03	1.6E-04	1.05E-03	1.69E-07	1.24E-01	1.57E-01	3.28E-09	1.0E+06	3.3E-03	5	3.22E-05
494	0.15688	1.89E-03	3.0E-04	1.05E-03	3.10E-07	1.24E-01	1.57E-01	6.04E-09	1.0E+06	6.0E-03	5	5.93E-05
495	0.42029	1.89E-03	7.9E-04	1.05E-03	8.30E-07	1.24E-01	1.57E-01	1.62E-08	1.0E+06	1.6E-02	5	1.59E-04
496	1.92949	1.89E-03	3.6E-03	1.05E-03	3.81E-06	1.24E-01	1.57E-01	7.43E-08	1.0E+06	7.4E-02	5	7.29E-04
497	1.58185	1.89E-03	3.0E-03	1.05E-03	3.12E-06	1.24E-01	1.57E-01	6.09E-08	1.0E+06	6.1E-02	5	5.98E-04
498	2.31241	1.89E-03	4.4E-03	1.05E-03	4.57E-06	1.24E-01	1.57E-01	8.90E-08	1.0E+06	8.9E-02	5	8.74E-04
499	1.07166	1.89E-03	2.0E-03	1.05E-03	2.12E-06	1.24E-01	1.57E-01	4.13E-08	1.0E+06	4.1E-02	5	4.05E-04
500	0.60701	1.89E-03	1.1E-03	1.05E-03	1.20E-06	1.24E-01	1.57E-01	2.34E-08	1.0E+06	2.3E-02	5	2.29E-04
501	0.38215	1.89E-03	7.2E-04	1.05E-03	7.55E-07	1.24E-01	1.57E-01	1.47E-08	1.0E+06	1.5E-02	5	1.44E-04
502	0.26017	1.89E-03	4.9E-04	1.05E-03	5.14E-07	1.24E-01	1.57E-01	1.00E-08	1.0E+06	1.0E-02	5	9.83E-05
503	0.18756	1.89E-03	3.5E-04	1.05E-03	3.71E-07	1.24E-01	1.57E-01	7.22E-09	1.0E+06	7.2E-03	5	7.09E-05
504	0.03784	1.89E-03	7.2E-05	1.05E-03	7.47E-08	1.24E-01	1.57E-01	1.46E-09	1.0E+06	1.5E-03	5	1.43E-05
505	0.05134	1.89E-03	9.7E-05	1.05E-03	1.01E-07	1.24E-01	1.57E-01	1.98E-09	1.0E+06	2.0E-03	5	1.94E-05
506	0.07532	1.89E-03	1.4E-04	1.05E-03	1.49E-07	1.24E-01	1.57E-01	2.90E-09	1.0E+06	2.9E-03	5	2.85E-05
507	0.11979	1.89E-03	2.3E-04	1.05E-03	2.37E-07	1.24E-01	1.57E-01	4.61E-09	1.0E+06	4.6E-03	5	4.53E-05
508	0.2147	1.89E-03	4.1E-04	1.05E-03	4.24E-07	1.24E-01	1.57E-01	8.26E-09	1.0E+06	8.3E-03	5	8.12E-05
509	0.38989	1.89E-03	7.4E-04	1.05E-03	7.70E-07	1.24E-01	1.57E-01	1.50E-08	1.0E+06	1.5E-02	5	1.47E-04
510	0.58345	1.89E-03	1.1E-03	1.05E-03	1.15E-06	1.24E-01	1.57E-01	2.25E-08	1.0E+06	2.2E-02	5	2.21E-04
511	0.68426	1.89E-03	1.3E-03	1.05E-03	1.35E-06	1.24E-01	1.57E-01	2.63E-08	1.0E+06	2.6E-02	5	2.59E-04
512	0.85941	1.89E-03	1.6E-03	1.05E-03	1.70E-06	1.24E-01	1.57E-01	3.31E-08	1.0E+06	3.3E-02	5	3.25E-04
513	2.77875	1.89E-03	5.3E-03	1.05E-03	5.49E-06	1.24E-01	1.57E-01	1.07E-07	1.0E+06	1.1E-01	5	1.05E-03
514	3.51315	1.89E-03	6.6E-03	1.05E-03	6.94E-06	1.24E-01	1.57E-01	1.35E-07	1.0E+06	1.4E-01	5	1.33E-03
515	2.88362	1.89E-03	5.4E-03	1.05E-03	5.70E-06	1.24E-01	1.57E-01	1.11E-07	1.0E+06	1.1E-01	5	1.09E-03
516	1.29169	1.89E-03	2.4E-03	1.05E-03	2.55E-06	1.24E-01	1.57E-01	4.97E-08	1.0E+06	5.0E-02	5	4.88E-04
517	0.78486	1.89E-03	1.5E-03	1.05E-03	1.55E-06	1.24E-01	1.57E-01	3.02E-08	1.0E+06	3.0E-02	5	2.97E-04
518	0.52381	1.89E-03	9.9E-04	1.05E-03	1.03E-06	1.24E-01	1.57E-01	2.02E-08	1.0E+06	2.0E-02	5	1.98E-04
519	0.36546	1.89E-03	6.9E-04	1.05E-03	7.22E-07	1.24E-01	1.57E-01	1.41E-08	1.0E+06	1.4E-02	5	1.38E-04
520	0.26438	1.89E-03	5.0E-04	1.05E-03	5.22E-07	1.24E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	9.99E-05
521	0.19772	1.89E-03	3.7E-04	1.05E-03	3.91E-07	1.24E-01	1.57E-01	7.61E-09	1.0E+06	7.6E-03	5	7.47E-05
522	0.03561	1.89E-03	6.7E-05	1.05E-03	7.03E-08	1.24E-01	1.57E-01	1.37E-09	1.0E+06	1.4E-03	5	1.35E-05
523	0.04649	1.89E-03	8.8E-05	1.05E-03	9.18E-08	1.24E-01	1.57E-01	1.79E-09	1.0E+06	1.8E-03	5	1.76E-05
524	0.06309	1.89E-03	1.2E-04	1.05E-03	1.25E-07	1.24E-01	1.57E-01	2.43E-09	1.0E+06	2.4E-03	5	2.38E-05
525	0.0886	1.89E-03	1.7E-04	1.05E-03	1.75E-07	1.24E-01	1.57E-01	3.41E-09	1.0E+06	3.4E-03	5	3.35E-05
526	0.12621	1.89E-03	2.4E-04	1.05E-03	2.49E-07	1.24E-01	1.57E-01	4.86E-09	1.0E+06	4.9E-03	5	4.77E-05
527	0.18118	1.89E-03	3.4E-04	1.05E-03	3.58E-07	1.24E-01	1.57E-01	6.97E-09	1.0E+06	7.0E-03	5	6.85E-05
528	0.2456	1.89E-03	4.6E-04	1.05E-03	4.85E-07	1.24E-01	1.57E-01	9.45E-09	1.0E+06	9.5E-03	5	9.28E-05
529	0.31763	1.89E-03	6.0E-04	1.05E-03	6.27E-07	1.24E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.20E-04
530	0.41113	1.89E-03	7.8E-04	1.05E-03	8.12E-07	1.24E-01	1.57E-01	1.58E-08	1.0E+06	1.6E-02	5	1.55E-04
531	0.55057	1.89E-03	1.0E-03	1.05E-03	1.09E-06	1.24E-01	1.57E-01	2.12E-08	1.0E+06	2.1E-02	5	2.08E-04
532	0.69291	1.89E-03	1.3E-03	1.05E-03	1.37E-06	1.24E-01	1.57E-01	2.67E-08	1.0E+06	2.7E-02	5	2.62E-04
533	0.7283	1.89E-03	1.4E-03	1.05E-03	1.44E-06	1.24E-01	1.57E-01	2.80E-08	1.0E+06	2.8E-02	5	2.75E-04
534	0.63288	1.89E-03	1.2E-03	1.05E-03	1.25E-06	1.24E-01	1.57E-01	2.44E-08	1.0E+06	2.4E-02	5	2.39E-04
535	0.5023	1.89E-03	9.5E-04	1.05E-03	9.92E-07	1.24E-01	1.57E-01	1.93E-08	1.0E+06	1.9E-02	5	1.90E-04
536	0.38917	1.89E-03	7.4E-04	1.05E-03	7.69E-07	1.24E-01	1.57E-01	1.50E-08	1.0E+06	1.5E-02	5	1.47E-04
537	0.30186	1.89E-03	5.7E-04	1.05E-03	5.96E-07	1.24E-01	1.57E-01	1.16E-08	1.0E+06	1.2E-02	5	1.14E-04
538	0.23547	1.89E-03	4.5E-04	1.05E-03	4.65E-07	1.24E-01	1.57E-01	9.06E-09	1.0E+06	9.1E-03	5	8.90E-05
539	0.18607	1.89E-03	3.5E-04	1.05E-03	3.68E-07	1.24E-01	1.57E-01	7.16E-09	1.0E+06	7.2E-03	5	7.03E-05

9th and Vineyard

SLINE19 - Grading Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**REL**	**HI**
540	0.03286	1.89E-03	6.2E-05	1.05E-03	6.49E-08	1.24E-01	1.57E-01	1.26E-09	1.0E+06	1.3E-03	5	1.24E-05
541	0.04101	1.89E-03	7.8E-05	1.05E-03	8.10E-08	1.24E-01	1.57E-01	1.58E-09	1.0E+06	1.6E-03	5	1.55E-05
542	0.05215	1.89E-03	9.9E-05	1.05E-03	1.03E-07	1.24E-01	1.57E-01	2.01E-09	1.0E+06	2.0E-03	5	1.97E-05
543	0.06716	1.89E-03	1.3E-04	1.05E-03	1.33E-07	1.24E-01	1.57E-01	2.59E-09	1.0E+06	2.6E-03	5	2.54E-05
544	0.08732	1.89E-03	1.7E-04	1.05E-03	1.72E-07	1.24E-01	1.57E-01	3.36E-09	1.0E+06	3.4E-03	5	3.30E-05
545	0.11247	1.89E-03	2.1E-04	1.05E-03	2.22E-07	1.24E-01	1.57E-01	4.33E-09	1.0E+06	4.3E-03	5	4.25E-05
546	0.14346	1.89E-03	2.7E-04	1.05E-03	2.83E-07	1.24E-01	1.57E-01	5.52E-09	1.0E+06	5.5E-03	5	5.42E-05
547	0.17915	1.89E-03	3.4E-04	1.05E-03	3.54E-07	1.24E-01	1.57E-01	6.90E-09	1.0E+06	6.9E-03	5	6.77E-05
548	0.22128	1.89E-03	4.2E-04	1.05E-03	4.37E-07	1.24E-01	1.57E-01	8.52E-09	1.0E+06	8.5E-03	5	8.36E-05
549	0.26602	1.89E-03	5.0E-04	1.05E-03	5.25E-07	1.24E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	1.01E-04
550	0.30766	1.89E-03	5.8E-04	1.05E-03	6.08E-07	1.24E-01	1.57E-01	1.18E-08	1.0E+06	1.2E-02	5	1.16E-04
551	0.3381	1.89E-03	6.4E-04	1.05E-03	6.68E-07	1.24E-01	1.57E-01	1.30E-08	1.0E+06	1.3E-02	5	1.28E-04
552	0.32725	1.89E-03	6.2E-04	1.05E-03	6.46E-07	1.24E-01	1.57E-01	1.26E-08	1.0E+06	1.3E-02	5	1.24E-04
553	0.3018	1.89E-03	5.7E-04	1.05E-03	5.96E-07	1.24E-01	1.57E-01	1.16E-08	1.0E+06	1.2E-02	5	1.14E-04
554	0.26514	1.89E-03	5.0E-04	1.05E-03	5.24E-07	1.24E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	1.00E-04
555	0.22833	1.89E-03	4.3E-04	1.05E-03	4.51E-07	1.24E-01	1.57E-01	8.79E-09	1.0E+06	8.8E-03	5	8.63E-05
556	0.19182	1.89E-03	3.6E-04	1.05E-03	3.79E-07	1.24E-01	1.57E-01	7.38E-09	1.0E+06	7.4E-03	5	7.25E-05
557	0.1605	1.89E-03	3.0E-04	1.05E-03	3.17E-07	1.24E-01	1.57E-01	6.18E-09	1.0E+06	6.2E-03	5	6.07E-05
558	0.02995	1.89E-03	5.7E-05	1.05E-03	5.92E-08	1.24E-01	1.57E-01	1.15E-09	1.0E+06	1.2E-03	5	1.13E-05
559	0.03595	1.89E-03	6.8E-05	1.05E-03	7.10E-08	1.24E-01	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5	1.36E-05
560	0.04339	1.89E-03	8.2E-05	1.05E-03	8.57E-08	1.24E-01	1.57E-01	1.67E-09	1.0E+06	1.7E-03	5	1.64E-05
561	0.05285	1.89E-03	1.0E-04	1.05E-03	1.04E-07	1.24E-01	1.57E-01	2.03E-09	1.0E+06	2.0E-03	5	2.00E-05
562	0.06443	1.89E-03	1.2E-04	1.05E-03	1.27E-07	1.24E-01	1.57E-01	2.48E-09	1.0E+06	2.5E-03	5	2.44E-05
563	0.0787	1.89E-03	1.5E-04	1.05E-03	1.55E-07	1.24E-01	1.57E-01	3.03E-09	1.0E+06	3.0E-03	5	2.97E-05
564	0.09579	1.89E-03	1.8E-04	1.05E-03	1.89E-07	1.24E-01	1.57E-01	3.69E-09	1.0E+06	3.7E-03	5	3.62E-05
565	0.11427	1.89E-03	2.2E-04	1.05E-03	2.26E-07	1.24E-01	1.57E-01	4.40E-09	1.0E+06	4.4E-03	5	4.32E-05
566	0.13497	1.89E-03	2.6E-04	1.05E-03	2.67E-07	1.24E-01	1.57E-01	5.20E-09	1.0E+06	5.2E-03	5	5.10E-05
567	0.15561	1.89E-03	2.9E-04	1.05E-03	3.07E-07	1.24E-01	1.57E-01	5.99E-09	1.0E+06	6.0E-03	5	5.88E-05
568	0.17461	1.89E-03	3.3E-04	1.05E-03	3.45E-07	1.24E-01	1.57E-01	6.72E-09	1.0E+06	6.7E-03	5	6.60E-05
569	0.18534	1.89E-03	3.5E-04	1.05E-03	3.66E-07	1.24E-01	1.57E-01	7.13E-09	1.0E+06	7.1E-03	5	7.01E-05
570	0.18962	1.89E-03	3.6E-04	1.05E-03	3.75E-07	1.24E-01	1.57E-01	7.30E-09	1.0E+06	7.3E-03	5	7.17E-05
571	0.1875	1.89E-03	3.5E-04	1.05E-03	3.70E-07	1.24E-01	1.57E-01	7.22E-09	1.0E+06	7.2E-03	5	7.09E-05
572	0.17873	1.89E-03	3.4E-04	1.05E-03	3.53E-07	1.24E-01	1.57E-01	6.88E-09	1.0E+06	6.9E-03	5	6.76E-05
573	0.16416	1.89E-03	3.1E-04	1.05E-03	3.24E-07	1.24E-01	1.57E-01	6.32E-09	1.0E+06	6.3E-03	5	6.21E-05
574	0.14752	1.89E-03	2.8E-04	1.05E-03	2.91E-07	1.24E-01	1.57E-01	5.68E-09	1.0E+06	5.7E-03	5	5.58E-05
575	0.13094	1.89E-03	2.5E-04	1.05E-03	2.59E-07	1.24E-01	1.57E-01	5.04E-09	1.0E+06	5.0E-03	5	4.95E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

		Cancer Risk from Birth to 2 Years												*Chronic Non Cancer Risk*				
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million		Max	Receptor #	REL	HI		Max	Receptor #
1	0.04718	6.30E-04	3.0E-05	1.05E-03	3.11E-08	9.08E-01	1.57E-01	4.43E-09	1.0E+06	4.4E-03				5	5.94E-06			
2	0.01569	6.30E-04	9.9E-06	1.05E-03	1.03E-08	9.08E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	Res	0.330	514	5	1.98E-06		4.43E-04	514 Res
3	0.01713	6.30E-04	1.1E-05	1.05E-03	1.13E-08	9.08E-01	1.57E-01	1.61E-09	1.0E+06	1.6E-03				5	2.16E-06			
4	0.0187	6.30E-04	1.2E-05	1.05E-03	1.23E-08	9.08E-01	1.57E-01	1.76E-09	1.0E+06	1.8E-03				5	2.36E-06			
5	0.02036	6.30E-04	1.3E-05	1.05E-03	1.34E-08	9.08E-01	1.57E-01	1.91E-09	1.0E+06	1.9E-03				5	2.57E-06			
6	0.02204	6.30E-04	1.4E-05	1.05E-03	1.45E-08	9.08E-01	1.57E-01	2.07E-09	1.0E+06	2.1E-03				5	2.78E-06			
7	0.02365	6.30E-04	1.5E-05	1.05E-03	1.56E-08	9.08E-01	1.57E-01	2.22E-09	1.0E+06	2.2E-03				5	2.98E-06			
8	0.02509	6.30E-04	1.6E-05	1.05E-03	1.65E-08	9.08E-01	1.57E-01	2.36E-09	1.0E+06	2.4E-03				5	3.16E-06			
9	0.02624	6.30E-04	1.7E-05	1.05E-03	1.73E-08	9.08E-01	1.57E-01	2.47E-09	1.0E+06	2.5E-03				5	3.31E-06			
10	0.027	6.30E-04	1.7E-05	1.05E-03	1.78E-08	9.08E-01	1.57E-01	2.54E-09	1.0E+06	2.5E-03				5	3.40E-06			
11	0.0273	6.30E-04	1.7E-05	1.05E-03	1.80E-08	9.08E-01	1.57E-01	2.56E-09	1.0E+06	2.6E-03				5	3.44E-06			
12	0.02709	6.30E-04	1.7E-05	1.05E-03	1.78E-08	9.08E-01	1.57E-01	2.55E-09	1.0E+06	2.5E-03				5	3.41E-06			
13	0.0264	6.30E-04	1.7E-05	1.05E-03	1.74E-08	9.08E-01	1.57E-01	2.48E-09	1.0E+06	2.5E-03				5	3.33E-06			
14	0.02529	6.30E-04	1.6E-05	1.05E-03	1.67E-08	9.08E-01	1.57E-01	2.38E-09	1.0E+06	2.4E-03				5	3.19E-06			
15	0.02385	6.30E-04	1.5E-05	1.05E-03	1.57E-08	9.08E-01	1.57E-01	2.24E-09	1.0E+06	2.2E-03				5	3.01E-06			
16	0.02221	6.30E-04	1.4E-05	1.05E-03	1.46E-08	9.08E-01	1.57E-01	2.09E-09	1.0E+06	2.1E-03				5	2.80E-06			
17	0.0205	6.30E-04	1.3E-05	1.05E-03	1.35E-08	9.08E-01	1.57E-01	1.93E-09	1.0E+06	1.9E-03				5	2.58E-06			
18	0.01882	6.30E-04	1.2E-05	1.05E-03	1.24E-08	9.08E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03				5	2.37E-06			
19	0.01726	6.30E-04	1.1E-05	1.05E-03	1.14E-08	9.08E-01	1.57E-01	1.62E-09	1.0E+06	1.6E-03				5	2.17E-06			
20	0.01586	6.30E-04	1.0E-05	1.05E-03	1.04E-08	9.08E-01	1.57E-01	1.49E-09	1.0E+06	1.5E-03				5	2.00E-06			
21	0.01463	6.30E-04	9.2E-06	1.05E-03	9.63E-09	9.08E-01	1.57E-01	1.37E-09	1.0E+06	1.4E-03				5	1.84E-06			
22	0.01356	6.30E-04	8.5E-06	1.05E-03	8.93E-09	9.08E-01	1.57E-01	1.27E-09	1.0E+06	1.3E-03				5	1.71E-06			
23	0.01587	6.30E-04	1.0E-05	1.05E-03	1.04E-08	9.08E-01	1.57E-01	1.49E-09	1.0E+06	1.5E-03				5	2.00E-06			
24	0.01758	6.30E-04	1.1E-05	1.05E-03	1.16E-08	9.08E-01	1.57E-01	1.65E-09	1.0E+06	1.7E-03				5	2.22E-06			
25	0.01954	6.30E-04	1.2E-05	1.05E-03	1.29E-08	9.08E-01	1.57E-01	1.84E-09	1.0E+06	1.8E-03				5	2.46E-06			
26	0.02174	6.30E-04	1.4E-05	1.05E-03	1.43E-08	9.08E-01	1.57E-01	2.04E-09	1.0E+06	2.0E-03				5	2.74E-06			
27	0.02414	6.30E-04	1.5E-05	1.05E-03	1.59E-08	9.08E-01	1.57E-01	2.27E-09	1.0E+06	2.3E-03				5	3.04E-06			
28	0.02665	6.30E-04	1.7E-05	1.05E-03	1.75E-08	9.08E-01	1.57E-01	2.50E-09	1.0E+06	2.5E-03				5	3.36E-06			
29	0.02912	6.30E-04	1.8E-05	1.05E-03	1.92E-08	9.08E-01	1.57E-01	2.74E-09	1.0E+06	2.7E-03				5	3.67E-06			
30	0.03137	6.30E-04	2.0E-05	1.05E-03	2.07E-08	9.08E-01	1.57E-01	2.95E-09	1.0E+06	2.9E-03				5	3.95E-06			
31	0.03319	6.30E-04	2.1E-05	1.05E-03	2.19E-08	9.08E-01	1.57E-01	3.12E-09	1.0E+06	3.1E-03				5	4.18E-06			
32	0.03441	6.30E-04	2.2E-05	1.05E-03	2.27E-08	9.08E-01	1.57E-01	3.23E-09	1.0E+06	3.2E-03				5	4.34E-06			
33	0.03488	6.30E-04	2.2E-05	1.05E-03	2.30E-08	9.08E-01	1.57E-01	3.28E-09	1.0E+06	3.3E-03				5	4.39E-06			
34	0.03454	6.30E-04	2.2E-05	1.05E-03	2.27E-08	9.08E-01	1.57E-01	3.25E-09	1.0E+06	3.2E-03				5	4.35E-06			
35	0.03344	6.30E-04	2.1E-05	1.05E-03	2.20E-08	9.08E-01	1.57E-01	3.14E-09	1.0E+06	3.1E-03				5	4.21E-06			
36	0.03169	6.30E-04	2.0E-05	1.05E-03	2.09E-08	9.08E-01	1.57E-01	2.98E-09	1.0E+06	3.0E-03				5	3.99E-06			
37	0.02946	6.30E-04	1.9E-05	1.05E-03	1.94E-08	9.08E-01	1.57E-01	2.77E-09	1.0E+06	2.8E-03				5	3.71E-06			
38	0.02697	6.30E-04	1.7E-05	1.05E-03	1.78E-08	9.08E-01	1.57E-01	2.53E-09	1.0E+06	2.5E-03				5	3.40E-06			
39	0.02445	6.30E-04	1.5E-05	1.05E-03	1.61E-08	9.08E-01	1.57E-01	2.30E-09	1.0E+06	2.3E-03				5	3.08E-06			
40	0.02208	6.30E-04	1.4E-05	1.05E-03	1.45E-08	9.08E-01	1.57E-01	2.07E-09	1.0E+06	2.1E-03				5	2.78E-06			
41	0.01996	6.30E-04	1.3E-05	1.05E-03	1.31E-08	9.08E-01	1.57E-01	1.88E-09	1.0E+06	1.9E-03				5	2.51E-06			
42	0.01811	6.30E-04	1.1E-05	1.05E-03	1.19E-08	9.08E-01	1.57E-01	1.70E-09	1.0E+06	1.7E-03				5	2.28E-06			
43	0.01654	6.30E-04	1.0E-05	1.05E-03	1.09E-08	9.08E-01	1.57E-01	1.55E-09	1.0E+06	1.6E-03				5	2.08E-06			
44	0.01524	6.30E-04	9.6E-06	1.05E-03	1.00E-08	9.08E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03				5	1.92E-06			
45	0.01755	6.30E-04	1.1E-05	1.05E-03	1.16E-08	9.08E-01	1.57E-01	1.65E-09	1.0E+06	1.6E-03				5	2.21E-06			
46	0.0198	6.30E-04	1.2E-05	1.05E-03	1.30E-08	9.08E-01	1.57E-01	1.86E-09	1.0E+06	1.9E-03				5	2.49E-06			
47	0.02249	6.30E-04	1.4E-05	1.05E-03	1.48E-08	9.08E-01	1.57E-01	2.11E-09	1.0E+06	2.1E-03				5	2.83E-06			
48	0.02563	6.30E-04	1.6E-05	1.05E-03	1.69E-08	9.08E-01	1.57E-01	2.41E-09	1.0E+06	2.4E-03				5	3.23E-06			
49	0.02921	6.30E-04	1.8E-05	1.05E-03	1.92E-08	9.08E-01	1.57E-01	2.74E-09	1.0E+06	2.7E-03				5	3.68E-06			

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
50	0.03311	6.30E-04	2.1E-05	1.05E-03	2.18E-08	9.08E-01	1.57E-01	3.11E-09	1.0E+06	3.1E-03	5	4.17E-06
51	0.03707	6.30E-04	2.3E-05	1.05E-03	2.44E-08	9.08E-01	1.57E-01	3.48E-09	1.0E+06	3.5E-03	5	4.67E-06
52	0.04077	6.30E-04	2.6E-05	1.05E-03	2.68E-08	9.08E-01	1.57E-01	3.83E-09	1.0E+06	3.8E-03	5	5.14E-06
53	0.0438	6.30E-04	2.8E-05	1.05E-03	2.88E-08	9.08E-01	1.57E-01	4.12E-09	1.0E+06	4.1E-03	5	5.52E-06
54	0.04584	6.30E-04	2.9E-05	1.05E-03	3.02E-08	9.08E-01	1.57E-01	4.31E-09	1.0E+06	4.3E-03	5	5.78E-06
55	0.04665	6.30E-04	2.9E-05	1.05E-03	3.07E-08	9.08E-01	1.57E-01	4.38E-09	1.0E+06	4.4E-03	5	5.88E-06
56	0.04611	6.30E-04	2.9E-05	1.05E-03	3.04E-08	9.08E-01	1.57E-01	4.33E-09	1.0E+06	4.3E-03	5	5.81E-06
57	0.0443	6.30E-04	2.8E-05	1.05E-03	2.92E-08	9.08E-01	1.57E-01	4.16E-09	1.0E+06	4.2E-03	5	5.58E-06
58	0.04138	6.30E-04	2.6E-05	1.05E-03	2.72E-08	9.08E-01	1.57E-01	3.89E-09	1.0E+06	3.9E-03	5	5.21E-06
59	0.03776	6.30E-04	2.4E-05	1.05E-03	2.49E-08	9.08E-01	1.57E-01	3.55E-09	1.0E+06	3.5E-03	5	4.76E-06
60	0.03382	6.30E-04	2.1E-05	1.05E-03	2.23E-08	9.08E-01	1.57E-01	3.18E-09	1.0E+06	3.2E-03	5	4.26E-06
61	0.02998	6.30E-04	1.9E-05	1.05E-03	1.97E-08	9.08E-01	1.57E-01	2.82E-09	1.0E+06	2.8E-03	5	3.78E-06
62	0.02652	6.30E-04	1.7E-05	1.05E-03	1.75E-08	9.08E-01	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5	3.34E-06
63	0.02357	6.30E-04	1.5E-05	1.05E-03	1.55E-08	9.08E-01	1.57E-01	2.21E-09	1.0E+06	2.2E-03	5	2.97E-06
64	0.02112	6.30E-04	1.3E-05	1.05E-03	1.39E-08	9.08E-01	1.57E-01	1.98E-09	1.0E+06	2.0E-03	5	2.66E-06
65	0.01912	6.30E-04	1.2E-05	1.05E-03	1.26E-08	9.08E-01	1.57E-01	1.80E-09	1.0E+06	1.8E-03	5	2.41E-06
66	0.01748	6.30E-04	1.1E-05	1.05E-03	1.15E-08	9.08E-01	1.57E-01	1.64E-09	1.0E+06	1.6E-03	5	2.20E-06
67	0.01938	6.30E-04	1.2E-05	1.05E-03	1.28E-08	9.08E-01	1.57E-01	1.82E-09	1.0E+06	1.8E-03	5	2.44E-06
68	0.02236	6.30E-04	1.4E-05	1.05E-03	1.47E-08	9.08E-01	1.57E-01	2.10E-09	1.0E+06	2.1E-03	5	2.82E-06
69	0.02605	6.30E-04	1.6E-05	1.05E-03	1.72E-08	9.08E-01	1.57E-01	2.45E-09	1.0E+06	2.4E-03	5	3.28E-06
70	0.03064	6.30E-04	1.9E-05	1.05E-03	2.02E-08	9.08E-01	1.57E-01	2.88E-09	1.0E+06	2.9E-03	5	3.86E-06
71	0.03617	6.30E-04	2.3E-05	1.05E-03	2.38E-08	9.08E-01	1.57E-01	3.40E-09	1.0E+06	3.4E-03	5	4.56E-06
72	0.04253	6.30E-04	2.7E-05	1.05E-03	2.80E-08	9.08E-01	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	5.36E-06
73	0.04927	6.30E-04	3.1E-05	1.05E-03	3.24E-08	9.08E-01	1.57E-01	4.63E-09	1.0E+06	4.6E-03	5	6.21E-06
74	0.05574	6.30E-04	3.5E-05	1.05E-03	3.67E-08	9.08E-01	1.57E-01	5.24E-09	1.0E+06	5.2E-03	5	7.02E-06
75	0.06109	6.30E-04	3.8E-05	1.05E-03	4.02E-08	9.08E-01	1.57E-01	5.74E-09	1.0E+06	5.7E-03	5	7.70E-06
76	0.06471	6.30E-04	4.1E-05	1.05E-03	4.26E-08	9.08E-01	1.57E-01	6.08E-09	1.0E+06	6.1E-03	5	8.15E-06
77	0.06618	6.30E-04	4.2E-05	1.05E-03	4.36E-08	9.08E-01	1.57E-01	6.22E-09	1.0E+06	6.2E-03	5	8.34E-06
78	0.06532	6.30E-04	4.1E-05	1.05E-03	4.30E-08	9.08E-01	1.57E-01	6.14E-09	1.0E+06	6.1E-03	5	8.23E-06
79	0.06222	6.30E-04	3.9E-05	1.05E-03	4.10E-08	9.08E-01	1.57E-01	5.85E-09	1.0E+06	5.8E-03	5	7.84E-06
80	0.05715	6.30E-04	3.6E-05	1.05E-03	3.76E-08	9.08E-01	1.57E-01	5.37E-09	1.0E+06	5.4E-03	5	7.20E-06
81	0.05084	6.30E-04	3.2E-05	1.05E-03	3.35E-08	9.08E-01	1.57E-01	4.78E-09	1.0E+06	4.8E-03	5	6.41E-06
82	0.0442	6.30E-04	2.8E-05	1.05E-03	2.91E-08	9.08E-01	1.57E-01	4.15E-09	1.0E+06	4.2E-03	5	5.57E-06
83	0.03807	6.30E-04	2.4E-05	1.05E-03	2.51E-08	9.08E-01	1.57E-01	3.58E-09	1.0E+06	3.6E-03	5	4.80E-06
84	0.03287	6.30E-04	2.1E-05	1.05E-03	2.16E-08	9.08E-01	1.57E-01	3.09E-09	1.0E+06	3.1E-03	5	4.14E-06
85	0.02868	6.30E-04	1.8E-05	1.05E-03	1.89E-08	9.08E-01	1.57E-01	2.69E-09	1.0E+06	2.7E-03	5	3.61E-06
86	0.02537	6.30E-04	1.6E-05	1.05E-03	1.67E-08	9.08E-01	1.57E-01	2.38E-09	1.0E+06	2.4E-03	5	3.20E-06
87	0.02274	6.30E-04	1.4E-05	1.05E-03	1.50E-08	9.08E-01	1.57E-01	2.14E-09	1.0E+06	2.1E-03	5	2.87E-06
88	0.02064	6.30E-04	1.3E-05	1.05E-03	1.36E-08	9.08E-01	1.57E-01	1.94E-09	1.0E+06	1.9E-03	5	2.60E-06
89	0.02128	6.30E-04	1.3E-05	1.05E-03	1.40E-08	9.08E-01	1.57E-01	2.00E-09	1.0E+06	2.0E-03	5	2.68E-06
90	0.02519	6.30E-04	1.6E-05	1.05E-03	1.66E-08	9.08E-01	1.57E-01	2.37E-09	1.0E+06	2.4E-03	5	3.17E-06
91	0.0303	6.30E-04	1.9E-05	1.05E-03	2.00E-08	9.08E-01	1.57E-01	2.85E-09	1.0E+06	2.8E-03	5	3.82E-06
92	0.03704	6.30E-04	2.3E-05	1.05E-03	2.44E-08	9.08E-01	1.57E-01	3.48E-09	1.0E+06	3.5E-03	5	4.67E-06
93	0.04587	6.30E-04	2.9E-05	1.05E-03	3.02E-08	9.08E-01	1.57E-01	4.31E-09	1.0E+06	4.3E-03	5	5.78E-06
94	0.05698	6.30E-04	3.6E-05	1.05E-03	3.75E-08	9.08E-01	1.57E-01	5.35E-09	1.0E+06	5.4E-03	5	7.18E-06
95	0.06947	6.30E-04	4.4E-05	1.05E-03	4.57E-08	9.08E-01	1.57E-01	6.53E-09	1.0E+06	6.5E-03	5	8.75E-06
96	0.0817	6.30E-04	5.1E-05	1.05E-03	5.38E-08	9.08E-01	1.57E-01	7.68E-09	1.0E+06	7.7E-03	5	1.03E-05
97	0.0918	6.30E-04	5.8E-05	1.05E-03	6.04E-08	9.08E-01	1.57E-01	8.62E-09	1.0E+06	8.6E-03	5	1.16E-05
98	0.09865	6.30E-04	6.2E-05	1.05E-03	6.50E-08	9.08E-01	1.57E-01	9.27E-09	1.0E+06	9.3E-03	5	1.24E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

				Cancer Risk from Birth to 2 Years							*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
99	0.10172	6.30E-04	6.4E-05	1.05E-03	6.70E-08	9.08E-01	1.57E-01	9.56E-09	1.0E+06	9.6E-03	5	1.28E-05
100	0.10055	6.30E-04	6.3E-05	1.05E-03	6.62E-08	9.08E-01	1.57E-01	9.45E-09	1.0E+06	9.4E-03	5	1.27E-05
101	0.09497	6.30E-04	6.0E-05	1.05E-03	6.25E-08	9.08E-01	1.57E-01	8.92E-09	1.0E+06	8.9E-03	5	1.20E-05
102	0.08541	6.30E-04	5.4E-05	1.05E-03	5.62E-08	9.08E-01	1.57E-01	8.02E-09	1.0E+06	8.0E-03	5	1.08E-05
103	0.07338	6.30E-04	4.6E-05	1.05E-03	4.83E-08	9.08E-01	1.57E-01	6.89E-09	1.0E+06	6.9E-03	5	9.25E-06
104	0.06125	6.30E-04	3.9E-05	1.05E-03	4.03E-08	9.08E-01	1.57E-01	5.75E-09	1.0E+06	5.8E-03	5	7.72E-06
105	0.05078	6.30E-04	3.2E-05	1.05E-03	3.34E-08	9.08E-01	1.57E-01	4.77E-09	1.0E+06	4.8E-03	5	6.40E-06
106	0.04261	6.30E-04	2.7E-05	1.05E-03	2.81E-08	9.08E-01	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	5.37E-06
107	0.03645	6.30E-04	2.3E-05	1.05E-03	2.40E-08	9.08E-01	1.57E-01	3.42E-09	1.0E+06	3.4E-03	5	4.59E-06
108	0.03179	6.30E-04	2.0E-05	1.05E-03	2.09E-08	9.08E-01	1.57E-01	2.99E-09	1.0E+06	3.0E-03	5	4.01E-06
109	0.02818	6.30E-04	1.8E-05	1.05E-03	1.86E-08	9.08E-01	1.57E-01	2.65E-09	1.0E+06	2.6E-03	5	3.55E-06
110	0.02531	6.30E-04	1.6E-05	1.05E-03	1.67E-08	9.08E-01	1.57E-01	2.38E-09	1.0E+06	2.4E-03	5	3.19E-06
111	0.02308	6.30E-04	1.5E-05	1.05E-03	1.52E-08	9.08E-01	1.57E-01	2.17E-09	1.0E+06	2.2E-03	5	2.91E-06
112	0.02811	6.30E-04	1.8E-05	1.05E-03	1.85E-08	9.08E-01	1.57E-01	2.64E-09	1.0E+06	2.6E-03	5	3.54E-06
113	0.03493	6.30E-04	2.2E-05	1.05E-03	2.30E-08	9.08E-01	1.57E-01	3.28E-09	1.0E+06	3.3E-03	5	4.40E-06
114	0.0449	6.30E-04	2.8E-05	1.05E-03	2.96E-08	9.08E-01	1.57E-01	4.22E-09	1.0E+06	4.2E-03	5	5.66E-06
115	0.05977	6.30E-04	3.8E-05	1.05E-03	3.94E-08	9.08E-01	1.57E-01	5.62E-09	1.0E+06	5.6E-03	5	7.53E-06
116	0.08075	6.30E-04	5.1E-05	1.05E-03	5.32E-08	9.08E-01	1.57E-01	7.59E-09	1.0E+06	7.6E-03	5	1.02E-05
117	0.10687	6.30E-04	6.7E-05	1.05E-03	7.04E-08	9.08E-01	1.57E-01	1.00E-08	1.0E+06	1.0E-02	5	1.35E-05
118	0.13317	6.30E-04	8.4E-05	1.05E-03	8.77E-08	9.08E-01	1.57E-01	1.25E-08	1.0E+06	1.3E-02	5	1.68E-05
119	0.15411	6.30E-04	9.7E-05	1.05E-03	1.01E-07	9.08E-01	1.57E-01	1.45E-08	1.0E+06	1.4E-02	5	1.94E-05
120	0.16804	6.30E-04	1.1E-04	1.05E-03	1.11E-07	9.08E-01	1.57E-01	1.58E-08	1.0E+06	1.6E-02	5	2.12E-05
121	0.17533	6.30E-04	1.1E-04	1.05E-03	1.15E-07	9.08E-01	1.57E-01	1.65E-08	1.0E+06	1.6E-02	5	2.21E-05
122	0.17468	6.30E-04	1.1E-04	1.05E-03	1.15E-07	9.08E-01	1.57E-01	1.64E-08	1.0E+06	1.6E-02	5	2.20E-05
123	0.16438	6.30E-04	1.0E-04	1.05E-03	1.08E-07	9.08E-01	1.57E-01	1.54E-08	1.0E+06	1.5E-02	5	2.07E-05
124	0.14421	6.30E-04	9.1E-05	1.05E-03	9.50E-08	9.08E-01	1.57E-01	1.35E-08	1.0E+06	1.4E-02	5	1.82E-05
125	0.1176	6.30E-04	7.4E-05	1.05E-03	7.74E-08	9.08E-01	1.57E-01	1.10E-08	1.0E+06	1.1E-02	5	1.48E-05
126	0.09217	6.30E-04	5.8E-05	1.05E-03	6.07E-08	9.08E-01	1.57E-01	8.66E-09	1.0E+06	8.7E-03	5	1.16E-05
127	0.07265	6.30E-04	4.6E-05	1.05E-03	4.78E-08	9.08E-01	1.57E-01	6.83E-09	1.0E+06	6.8E-03	5	9.15E-06
128	0.05894	6.30E-04	3.7E-05	1.05E-03	3.88E-08	9.08E-01	1.57E-01	5.54E-09	1.0E+06	5.5E-03	5	7.43E-06
129	0.04926	6.30E-04	3.1E-05	1.05E-03	3.24E-08	9.08E-01	1.57E-01	4.63E-09	1.0E+06	4.6E-03	5	6.21E-06
130	0.04212	6.30E-04	2.7E-05	1.05E-03	2.77E-08	9.08E-01	1.57E-01	3.96E-09	1.0E+06	4.0E-03	5	5.31E-06
131	0.03667	6.30E-04	2.3E-05	1.05E-03	2.41E-08	9.08E-01	1.57E-01	3.45E-09	1.0E+06	3.4E-03	5	4.62E-06
132	0.03235	6.30E-04	2.0E-05	1.05E-03	2.13E-08	9.08E-01	1.57E-01	3.04E-09	1.0E+06	3.0E-03	5	4.08E-06
133	0.02458	6.30E-04	1.5E-05	1.05E-03	1.62E-08	9.08E-01	1.57E-01	2.31E-09	1.0E+06	2.3E-03	5	3.10E-06
134	0.03059	6.30E-04	1.9E-05	1.05E-03	2.01E-08	9.08E-01	1.57E-01	2.87E-09	1.0E+06	2.9E-03	5	3.85E-06
135	0.03959	6.30E-04	2.5E-05	1.05E-03	2.61E-08	9.08E-01	1.57E-01	3.72E-09	1.0E+06	3.7E-03	5	4.99E-06
136	0.05435	6.30E-04	3.4E-05	1.05E-03	3.58E-08	9.08E-01	1.57E-01	5.11E-09	1.0E+06	5.1E-03	5	6.85E-06
137	0.07955	6.30E-04	5.0E-05	1.05E-03	5.24E-08	9.08E-01	1.57E-01	7.47E-09	1.0E+06	7.5E-03	5	1.00E-05
138	0.12284	6.30E-04	7.7E-05	1.05E-03	8.09E-08	9.08E-01	1.57E-01	1.15E-08	1.0E+06	1.2E-02	5	1.55E-05
139	0.19239	6.30E-04	1.2E-04	1.05E-03	1.27E-07	9.08E-01	1.57E-01	1.81E-08	1.0E+06	1.8E-02	5	2.42E-05
140	0.26503	6.30E-04	1.7E-04	1.05E-03	1.75E-07	9.08E-01	1.57E-01	2.49E-08	1.0E+06	2.5E-02	5	3.34E-05
141	0.31576	6.30E-04	2.0E-04	1.05E-03	2.08E-07	9.08E-01	1.57E-01	2.97E-08	1.0E+06	3.0E-02	5	3.98E-05
142	0.34621	6.30E-04	2.2E-04	1.05E-03	2.28E-07	9.08E-01	1.57E-01	3.25E-08	1.0E+06	3.3E-02	5	4.36E-05
143	0.3703	6.30E-04	2.3E-04	1.05E-03	2.44E-07	9.08E-01	1.57E-01	3.48E-08	1.0E+06	3.5E-02	5	4.67E-05
144	0.3737	6.30E-04	2.4E-04	1.05E-03	2.46E-07	9.08E-01	1.57E-01	3.51E-08	1.0E+06	3.5E-02	5	4.71E-05
145	0.35451	6.30E-04	2.2E-04	1.05E-03	2.33E-07	9.08E-01	1.57E-01	3.33E-08	1.0E+06	3.3E-02	5	4.47E-05
146	0.30384	6.30E-04	1.9E-04	1.05E-03	2.00E-07	9.08E-01	1.57E-01	2.85E-08	1.0E+06	2.9E-02	5	3.83E-05
147	0.22471	6.30E-04	1.4E-04	1.05E-03	1.48E-07	9.08E-01	1.57E-01	2.11E-08	1.0E+06	2.1E-02	5	2.83E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

						Cancer Risk from Birth to 2 Years					*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
148	0.15714	6.30E-04	9.9E-05	1.05E-03	1.03E-07	9.08E-01	1.57E-01	1.48E-08	1.0E+06	1.5E-02	5	1.98E-05
149	0.11508	6.30E-04	7.2E-05	1.05E-03	7.58E-08	9.08E-01	1.57E-01	1.08E-08	1.0E+06	1.1E-02	5	1.45E-05
150	0.089	6.30E-04	5.6E-05	1.05E-03	5.86E-08	9.08E-01	1.57E-01	8.36E-09	1.0E+06	8.4E-03	5	1.12E-05
151	0.07149	6.30E-04	4.5E-05	1.05E-03	4.71E-08	9.08E-01	1.57E-01	6.72E-09	1.0E+06	6.7E-03	5	9.01E-06
152	0.05903	6.30E-04	3.7E-05	1.05E-03	3.89E-08	9.08E-01	1.57E-01	5.55E-09	1.0E+06	5.5E-03	5	7.44E-06
153	0.04981	6.30E-04	3.1E-05	1.05E-03	3.28E-08	9.08E-01	1.57E-01	4.68E-09	1.0E+06	4.7E-03	5	6.28E-06
154	0.04276	6.30E-04	2.7E-05	1.05E-03	2.82E-08	9.08E-01	1.57E-01	4.02E-09	1.0E+06	4.0E-03	5	5.39E-06
155	0.02548	6.30E-04	1.6E-05	1.05E-03	1.68E-08	9.08E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	3.21E-06
156	0.03233	6.30E-04	2.0E-05	1.05E-03	2.13E-08	9.08E-01	1.57E-01	3.04E-09	1.0E+06	3.0E-03	5	4.07E-06
157	0.04354	6.30E-04	2.7E-05	1.05E-03	2.87E-08	9.08E-01	1.57E-01	4.09E-09	1.0E+06	4.1E-03	5	5.49E-06
158	0.0626	6.30E-04	3.9E-05	1.05E-03	4.12E-08	9.08E-01	1.57E-01	5.88E-09	1.0E+06	5.9E-03	5	7.89E-06
159	0.10146	6.30E-04	6.4E-05	1.05E-03	6.68E-08	9.08E-01	1.57E-01	9.53E-09	1.0E+06	9.5E-03	5	1.28E-05
160	0.19626	6.30E-04	1.2E-04	1.05E-03	1.29E-07	9.08E-01	1.57E-01	1.84E-08	1.0E+06	1.8E-02	5	2.47E-05
161	0.52811	6.30E-04	3.3E-04	1.05E-03	3.48E-07	9.08E-01	1.57E-01	4.96E-08	1.0E+06	5.0E-02	5	6.65E-05
162	0.95064	6.30E-04	6.0E-04	1.05E-03	6.26E-07	9.08E-01	1.57E-01	8.93E-08	1.0E+06	8.9E-02	5	1.20E-04
163	1.14754	6.30E-04	7.2E-04	1.05E-03	7.56E-07	9.08E-01	1.57E-01	1.08E-07	1.0E+06	1.1E-01	5	1.45E-04
164	1.14449	6.30E-04	7.2E-04	1.05E-03	7.54E-07	9.08E-01	1.57E-01	1.08E-07	1.0E+06	1.1E-01	5	1.44E-04
165	1.38235	6.30E-04	8.7E-04	1.05E-03	9.10E-07	9.08E-01	1.57E-01	1.30E-07	1.0E+06	1.3E-01	5	1.74E-04
166	1.3436	6.30E-04	8.5E-04	1.05E-03	8.85E-07	9.08E-01	1.57E-01	1.26E-07	1.0E+06	1.3E-01	5	1.69E-04
167	1.32059	6.30E-04	8.3E-04	1.05E-03	8.70E-07	9.08E-01	1.57E-01	1.24E-07	1.0E+06	1.2E-01	5	1.66E-04
168	1.14738	6.30E-04	7.2E-04	1.05E-03	7.56E-07	9.08E-01	1.57E-01	1.08E-07	1.0E+06	1.1E-01	5	1.45E-04
169	0.63435	6.30E-04	4.0E-04	1.05E-03	4.18E-07	9.08E-01	1.57E-01	5.96E-08	1.0E+06	6.0E-02	5	7.99E-05
170	0.3222	6.30E-04	2.0E-04	1.05E-03	2.12E-07	9.08E-01	1.57E-01	3.03E-08	1.0E+06	3.0E-02	5	4.06E-05
171	0.20423	6.30E-04	1.3E-04	1.05E-03	1.34E-07	9.08E-01	1.57E-01	1.92E-08	1.0E+06	1.9E-02	5	2.57E-05
172	0.14381	6.30E-04	9.1E-05	1.05E-03	9.47E-08	9.08E-01	1.57E-01	1.35E-08	1.0E+06	1.4E-02	5	1.81E-05
173	0.1081	6.30E-04	6.8E-05	1.05E-03	7.12E-08	9.08E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	1.36E-05
174	0.0848	6.30E-04	5.3E-05	1.05E-03	5.58E-08	9.08E-01	1.57E-01	7.97E-09	1.0E+06	8.0E-03	5	1.07E-05
175	0.06864	6.30E-04	4.3E-05	1.05E-03	4.52E-08	9.08E-01	1.57E-01	6.45E-09	1.0E+06	6.4E-03	5	8.65E-06
176	0.05698	6.30E-04	3.6E-05	1.05E-03	3.75E-08	9.08E-01	1.57E-01	5.35E-09	1.0E+06	5.4E-03	5	7.18E-06
177	0.02626	6.30E-04	1.7E-05	1.05E-03	1.73E-08	9.08E-01	1.57E-01	2.47E-09	1.0E+06	2.5E-03	5	3.31E-06
178	0.03372	6.30E-04	2.1E-05	1.05E-03	2.22E-08	9.08E-01	1.57E-01	3.17E-09	1.0E+06	3.2E-03	5	4.25E-06
179	0.04619	6.30E-04	2.9E-05	1.05E-03	3.04E-08	9.08E-01	1.57E-01	4.34E-09	1.0E+06	4.3E-03	5	5.82E-06
180	0.06932	6.30E-04	4.4E-05	1.05E-03	4.56E-08	9.08E-01	1.57E-01	6.51E-09	1.0E+06	6.5E-03	5	8.73E-06
181	0.12019	6.30E-04	7.6E-05	1.05E-03	7.91E-08	9.08E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.51E-05
182	0.27703	6.30E-04	1.7E-04	1.05E-03	1.82E-07	9.08E-01	1.57E-01	2.60E-08	1.0E+06	2.6E-02	5	3.49E-05
183	1.76771	6.30E-04	1.1E-03	1.05E-03	1.16E-06	9.08E-01	1.57E-01	1.66E-07	1.0E+06	1.7E-01	5	2.23E-04
184	2.02166	6.30E-04	1.3E-03	1.05E-03	1.33E-06	9.08E-01	1.57E-01	1.90E-07	1.0E+06	1.9E-01	5	2.55E-04
185	0.64685	6.30E-04	4.1E-04	1.05E-03	4.26E-07	9.08E-01	1.57E-01	6.08E-08	1.0E+06	6.1E-02	5	8.15E-05
186	0.34727	6.30E-04	2.2E-04	1.05E-03	2.29E-07	9.08E-01	1.57E-01	3.26E-08	1.0E+06	3.3E-02	5	4.38E-05
187	0.22322	6.30E-04	1.4E-04	1.05E-03	1.47E-07	9.08E-01	1.57E-01	2.10E-08	1.0E+06	2.1E-02	5	2.81E-05
188	0.15755	6.30E-04	9.9E-05	1.05E-03	1.04E-07	9.08E-01	1.57E-01	1.48E-08	1.0E+06	1.5E-02	5	1.99E-05
189	0.11785	6.30E-04	7.4E-05	1.05E-03	7.76E-08	9.08E-01	1.57E-01	1.11E-08	1.0E+06	1.1E-02	5	1.48E-05
190	0.09196	6.30E-04	5.8E-05	1.05E-03	6.06E-08	9.08E-01	1.57E-01	8.64E-09	1.0E+06	8.6E-03	5	1.16E-05
191	0.07411	6.30E-04	4.7E-05	1.05E-03	4.88E-08	9.08E-01	1.57E-01	6.96E-09	1.0E+06	7.0E-03	5	9.34E-06
192	0.02656	6.30E-04	1.7E-05	1.05E-03	1.75E-08	9.08E-01	1.57E-01	2.50E-09	1.0E+06	2.5E-03	5	3.35E-06
193	0.03404	6.30E-04	2.1E-05	1.05E-03	2.24E-08	9.08E-01	1.57E-01	3.20E-09	1.0E+06	3.2E-03	5	4.29E-06
194	0.04653	6.30E-04	2.9E-05	1.05E-03	3.06E-08	9.08E-01	1.57E-01	4.37E-09	1.0E+06	4.4E-03	5	5.86E-06
195	0.06954	6.30E-04	4.4E-05	1.05E-03	4.58E-08	9.08E-01	1.57E-01	6.53E-09	1.0E+06	6.5E-03	5	8.76E-06
196	0.12065	6.30E-04	7.6E-05	1.05E-03	7.94E-08	9.08E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.52E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

				Cancer Risk from Birth to 2 Years							*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
197	0.27422	6.30E-04	1.7E-04	1.05E-03	1.81E-07	9.08E-01	1.57E-01	2.58E-08	1.0E+06	2.6E-02	5	3.46E-05
198	1.76698	6.30E-04	1.1E-03	1.05E-03	1.16E-06	9.08E-01	1.57E-01	1.66E-07	1.0E+06	1.7E-01	5	2.23E-04
199	2.25993	6.30E-04	1.4E-03	1.05E-03	1.49E-06	9.08E-01	1.57E-01	2.12E-07	1.0E+06	2.1E-01	5	2.85E-04
200	1.86874	6.30E-04	1.2E-03	1.05E-03	1.23E-06	9.08E-01	1.57E-01	1.76E-07	1.0E+06	1.8E-01	5	2.35E-04
201	0.819	6.30E-04	5.2E-04	1.05E-03	5.39E-07	9.08E-01	1.57E-01	7.69E-08	1.0E+06	7.7E-02	5	1.03E-04
202	0.46139	6.30E-04	2.9E-04	1.05E-03	3.04E-07	9.08E-01	1.57E-01	4.33E-08	1.0E+06	4.3E-02	5	5.81E-05
203	0.2942	6.30E-04	1.9E-04	1.05E-03	1.94E-07	9.08E-01	1.57E-01	2.76E-08	1.0E+06	2.8E-02	5	3.71E-05
204	0.20407	6.30E-04	1.3E-04	1.05E-03	1.34E-07	9.08E-01	1.57E-01	1.92E-08	1.0E+06	1.9E-02	5	2.57E-05
205	0.14993	6.30E-04	9.4E-05	1.05E-03	9.87E-08	9.08E-01	1.57E-01	1.41E-08	1.0E+06	1.4E-02	5	1.89E-05
206	0.115	6.30E-04	7.2E-05	1.05E-03	7.57E-08	9.08E-01	1.57E-01	1.08E-08	1.0E+06	1.1E-02	5	1.45E-05
207	0.09116	6.30E-04	5.7E-05	1.05E-03	6.00E-08	9.08E-01	1.57E-01	8.56E-09	1.0E+06	8.6E-03	5	1.15E-05
208	0.02649	6.30E-04	1.7E-05	1.05E-03	1.74E-08	9.08E-01	1.57E-01	2.49E-09	1.0E+06	2.5E-03	5	3.34E-06
209	0.03366	6.30E-04	2.1E-05	1.05E-03	2.22E-08	9.08E-01	1.57E-01	3.16E-09	1.0E+06	3.2E-03	5	4.24E-06
210	0.04492	6.30E-04	2.8E-05	1.05E-03	2.96E-08	9.08E-01	1.57E-01	4.22E-09	1.0E+06	4.2E-03	5	5.66E-06
211	0.06498	6.30E-04	4.1E-05	1.05E-03	4.28E-08	9.08E-01	1.57E-01	6.11E-09	1.0E+06	6.1E-03	5	8.19E-06
212	0.10392	6.30E-04	6.5E-05	1.05E-03	6.84E-08	9.08E-01	1.57E-01	9.76E-09	1.0E+06	9.8E-03	5	1.31E-05
213	0.19656	6.30E-04	1.2E-04	1.05E-03	1.29E-07	9.08E-01	1.57E-01	1.85E-08	1.0E+06	1.8E-02	5	2.48E-05
214	0.4953	6.30E-04	3.1E-04	1.05E-03	3.26E-07	9.08E-01	1.57E-01	4.65E-08	1.0E+06	4.7E-02	5	6.24E-05
215	1.05755	6.30E-04	6.7E-04	1.05E-03	6.96E-07	9.08E-01	1.57E-01	9.94E-08	1.0E+06	9.9E-02	5	1.33E-04
216	1.23806	6.30E-04	7.8E-04	1.05E-03	8.15E-07	9.08E-01	1.57E-01	1.16E-07	1.0E+06	1.2E-01	5	1.56E-04
217	1.06867	6.30E-04	6.7E-04	1.05E-03	7.04E-07	9.08E-01	1.57E-01	1.00E-07	1.0E+06	1.0E-01	5	1.35E-04
218	2.8323	6.30E-04	1.8E-03	1.05E-03	1.86E-06	9.08E-01	1.57E-01	2.66E-07	1.0E+06	2.7E-01	5	3.57E-04
219	1.2335	6.30E-04	7.8E-04	1.05E-03	8.12E-07	9.08E-01	1.57E-01	1.16E-07	1.0E+06	1.2E-01	5	1.55E-04
220	0.72626	6.30E-04	4.6E-04	1.05E-03	4.78E-07	9.08E-01	1.57E-01	6.82E-08	1.0E+06	6.8E-02	5	9.15E-05
221	0.46623	6.30E-04	2.9E-04	1.05E-03	3.07E-07	9.08E-01	1.57E-01	4.38E-08	1.0E+06	4.4E-02	5	5.87E-05
222	0.31748	6.30E-04	2.0E-04	1.05E-03	2.09E-07	9.08E-01	1.57E-01	2.98E-08	1.0E+06	3.0E-02	5	4.00E-05
223	0.22738	6.30E-04	1.4E-04	1.05E-03	1.50E-07	9.08E-01	1.57E-01	2.14E-08	1.0E+06	2.1E-02	5	2.86E-05
224	0.16979	6.30E-04	1.1E-04	1.05E-03	1.12E-07	9.08E-01	1.57E-01	1.60E-08	1.0E+06	1.6E-02	5	2.14E-05
225	0.13119	6.30E-04	8.3E-05	1.05E-03	8.64E-08	9.08E-01	1.57E-01	1.23E-08	1.0E+06	1.2E-02	5	1.65E-05
226	0.10421	6.30E-04	6.6E-05	1.05E-03	6.86E-08	9.08E-01	1.57E-01	9.79E-09	1.0E+06	9.8E-03	5	1.31E-05
227	0.02601	6.30E-04	1.6E-05	1.05E-03	1.71E-08	9.08E-01	1.57E-01	2.44E-09	1.0E+06	2.4E-03	5	3.28E-06
228	0.03247	6.30E-04	2.0E-05	1.05E-03	2.14E-08	9.08E-01	1.57E-01	3.05E-09	1.0E+06	3.1E-03	5	4.09E-06
229	0.04222	6.30E-04	2.7E-05	1.05E-03	2.78E-08	9.08E-01	1.57E-01	3.97E-09	1.0E+06	4.0E-03	5	5.32E-06
230	0.05776	6.30E-04	3.6E-05	1.05E-03	3.80E-08	9.08E-01	1.57E-01	5.43E-09	1.0E+06	5.4E-03	5	7.28E-06
231	0.08368	6.30E-04	5.3E-05	1.05E-03	5.51E-08	9.08E-01	1.57E-01	7.86E-09	1.0E+06	7.9E-03	5	1.05E-05
232	0.12764	6.30E-04	8.0E-05	1.05E-03	8.40E-08	9.08E-01	1.57E-01	1.20E-08	1.0E+06	1.2E-02	5	1.61E-05
233	0.20256	6.30E-04	1.3E-04	1.05E-03	1.33E-07	9.08E-01	1.57E-01	1.90E-08	1.0E+06	1.9E-02	5	2.55E-05
234	0.30255	6.30E-04	1.9E-04	1.05E-03	1.99E-07	9.08E-01	1.57E-01	2.84E-08	1.0E+06	2.8E-02	5	3.81E-05
235	0.40492	6.30E-04	2.6E-04	1.05E-03	2.67E-07	9.08E-01	1.57E-01	3.80E-08	1.0E+06	3.8E-02	5	5.10E-05
236	0.50737	6.30E-04	3.2E-04	1.05E-03	3.34E-07	9.08E-01	1.57E-01	4.77E-08	1.0E+06	4.8E-02	5	6.39E-05
237	0.73441	6.30E-04	4.6E-04	1.05E-03	4.84E-07	9.08E-01	1.57E-01	6.90E-08	1.0E+06	6.9E-02	5	9.25E-05
238	1.15869	6.30E-04	7.3E-04	1.05E-03	7.63E-07	9.08E-01	1.57E-01	1.09E-07	1.0E+06	1.1E-01	5	1.46E-04
239	1.33024	6.30E-04	8.4E-04	1.05E-03	8.76E-07	9.08E-01	1.57E-01	1.25E-07	1.0E+06	1.2E-01	5	1.68E-04
240	1.0895	6.30E-04	6.9E-04	1.05E-03	7.17E-07	9.08E-01	1.57E-01	1.02E-07	1.0E+06	1.0E-01	5	1.37E-04
241	0.75955	6.30E-04	4.8E-04	1.05E-03	5.00E-07	9.08E-01	1.57E-01	7.14E-08	1.0E+06	7.1E-02	5	9.57E-05
242	0.53889	6.30E-04	3.4E-04	1.05E-03	3.55E-07	9.08E-01	1.57E-01	5.06E-08	1.0E+06	5.1E-02	5	6.79E-05
243	0.39177	6.30E-04	2.5E-04	1.05E-03	2.58E-07	9.08E-01	1.57E-01	3.68E-08	1.0E+06	3.7E-02	5	4.94E-05
244	0.29118	6.30E-04	1.8E-04	1.05E-03	1.92E-07	9.08E-01	1.57E-01	2.74E-08	1.0E+06	2.7E-02	5	3.67E-05
245	0.22102	6.30E-04	1.4E-04	1.05E-03	1.46E-07	9.08E-01	1.57E-01	2.08E-08	1.0E+06	2.1E-02	5	2.78E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
246	0.17151	6.30E-04	1.1E-04	1.05E-03	1.13E-07	9.08E-01	1.57E-01	1.61E-08	1.0E+06	1.6E-02	5	2.16E-05
247	0.13599	6.30E-04	8.6E-05	1.05E-03	8.95E-08	9.08E-01	1.57E-01	1.28E-08	1.0E+06	1.3E-02	5	1.71E-05
248	0.10994	6.30E-04	6.9E-05	1.05E-03	7.24E-08	9.08E-01	1.57E-01	1.03E-08	1.0E+06	1.0E-02	5	1.39E-05
249	0.02517	6.30E-04	1.6E-05	1.05E-03	1.66E-08	9.08E-01	1.57E-01	2.36E-09	1.0E+06	2.4E-03	5	3.17E-06
250	0.03073	6.30E-04	1.9E-05	1.05E-03	2.02E-08	9.08E-01	1.57E-01	2.89E-09	1.0E+06	2.9E-03	5	3.87E-06
251	0.03854	6.30E-04	2.4E-05	1.05E-03	2.54E-08	9.08E-01	1.57E-01	3.62E-09	1.0E+06	3.6E-03	5	4.86E-06
252	0.04987	6.30E-04	3.1E-05	1.05E-03	3.28E-08	9.08E-01	1.57E-01	4.69E-09	1.0E+06	4.7E-03	5	6.28E-06
253	0.06608	6.30E-04	4.2E-05	1.05E-03	4.35E-08	9.08E-01	1.57E-01	6.21E-09	1.0E+06	6.2E-03	5	8.33E-06
254	0.08949	6.30E-04	5.6E-05	1.05E-03	5.89E-08	9.08E-01	1.57E-01	8.41E-09	1.0E+06	8.4E-03	5	1.13E-05
255	0.12075	6.30E-04	7.6E-05	1.05E-03	7.95E-08	9.08E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.52E-05
256	0.16154	6.30E-04	1.0E-04	1.05E-03	1.06E-07	9.08E-01	1.57E-01	1.52E-08	1.0E+06	1.5E-02	5	2.04E-05
257	0.20802	6.30E-04	1.3E-04	1.05E-03	1.37E-07	9.08E-01	1.57E-01	1.95E-08	1.0E+06	2.0E-02	5	2.62E-05
258	0.2628	6.30E-04	1.7E-04	1.05E-03	1.73E-07	9.08E-01	1.57E-01	2.47E-08	1.0E+06	2.5E-02	5	3.31E-05
259	0.33174	6.30E-04	2.1E-04	1.05E-03	2.18E-07	9.08E-01	1.57E-01	3.12E-08	1.0E+06	3.1E-02	5	4.18E-05
260	0.40804	6.30E-04	2.6E-04	1.05E-03	2.69E-07	9.08E-01	1.57E-01	3.83E-08	1.0E+06	3.8E-02	5	5.14E-05
261	0.46468	6.30E-04	2.9E-04	1.05E-03	3.06E-07	9.08E-01	1.57E-01	4.37E-08	1.0E+06	4.4E-02	5	5.85E-05
262	0.46625	6.30E-04	2.9E-04	1.05E-03	3.07E-07	9.08E-01	1.57E-01	4.38E-08	1.0E+06	4.4E-02	5	5.87E-05
263	0.42118	6.30E-04	2.7E-04	1.05E-03	2.77E-07	9.08E-01	1.57E-01	3.96E-08	1.0E+06	4.0E-02	5	5.31E-05
264	0.3561	6.30E-04	2.2E-04	1.05E-03	2.34E-07	9.08E-01	1.57E-01	3.35E-08	1.0E+06	3.3E-02	5	4.49E-05
265	0.29297	6.30E-04	1.8E-04	1.05E-03	1.93E-07	9.08E-01	1.57E-01	2.75E-08	1.0E+06	2.8E-02	5	3.69E-05
266	0.23821	6.30E-04	1.5E-04	1.05E-03	1.57E-07	9.08E-01	1.57E-01	2.24E-08	1.0E+06	2.2E-02	5	3.00E-05
267	0.19314	6.30E-04	1.2E-04	1.05E-03	1.27E-07	9.08E-01	1.57E-01	1.81E-08	1.0E+06	1.8E-02	5	2.43E-05
268	0.1576	6.30E-04	9.9E-05	1.05E-03	1.04E-07	9.08E-01	1.57E-01	1.48E-08	1.0E+06	1.5E-02	5	1.99E-05
269	0.12976	6.30E-04	8.2E-05	1.05E-03	8.54E-08	9.08E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.63E-05
270	0.1079	6.30E-04	6.8E-05	1.05E-03	7.10E-08	9.08E-01	1.57E-01	1.01E-08	1.0E+06	1.0E-02	5	1.36E-05
271	0.024	6.30E-04	1.5E-05	1.05E-03	1.58E-08	9.08E-01	1.57E-01	2.25E-09	1.0E+06	2.3E-03	5	3.02E-06
272	0.02857	6.30E-04	1.8E-05	1.05E-03	1.88E-08	9.08E-01	1.57E-01	2.68E-09	1.0E+06	2.7E-03	5	3.60E-06
273	0.03462	6.30E-04	2.2E-05	1.05E-03	2.28E-08	9.08E-01	1.57E-01	3.25E-09	1.0E+06	3.3E-03	5	4.36E-06
274	0.04257	6.30E-04	2.7E-05	1.05E-03	2.80E-08	9.08E-01	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	5.36E-06
275	0.05294	6.30E-04	3.3E-05	1.05E-03	3.49E-08	9.08E-01	1.57E-01	4.97E-09	1.0E+06	5.0E-03	5	6.67E-06
276	0.06642	6.30E-04	4.2E-05	1.05E-03	4.37E-08	9.08E-01	1.57E-01	6.24E-09	1.0E+06	6.2E-03	5	8.37E-06
277	0.08343	6.30E-04	5.3E-05	1.05E-03	5.49E-08	9.08E-01	1.57E-01	7.84E-09	1.0E+06	7.8E-03	5	1.05E-05
278	0.10395	6.30E-04	6.5E-05	1.05E-03	6.84E-08	9.08E-01	1.57E-01	9.77E-09	1.0E+06	9.8E-03	5	1.31E-05
279	0.12815	6.30E-04	8.1E-05	1.05E-03	8.44E-08	9.08E-01	1.57E-01	1.20E-08	1.0E+06	1.2E-02	5	1.61E-05
280	0.15531	6.30E-04	9.8E-05	1.05E-03	1.02E-07	9.08E-01	1.57E-01	1.46E-08	1.0E+06	1.5E-02	5	1.96E-05
281	0.18524	6.30E-04	1.2E-04	1.05E-03	1.22E-07	9.08E-01	1.57E-01	1.74E-08	1.0E+06	1.7E-02	5	2.33E-05
282	0.21458	6.30E-04	1.4E-04	1.05E-03	1.41E-07	9.08E-01	1.57E-01	2.02E-08	1.0E+06	2.0E-02	5	2.70E-05
283	0.23683	6.30E-04	1.5E-04	1.05E-03	1.56E-07	9.08E-01	1.57E-01	2.23E-08	1.0E+06	2.2E-02	5	2.98E-05
284	0.24438	6.30E-04	1.5E-04	1.05E-03	1.61E-07	9.08E-01	1.57E-01	2.30E-08	1.0E+06	2.3E-02	5	3.08E-05
285	0.24228	6.30E-04	1.5E-04	1.05E-03	1.60E-07	9.08E-01	1.57E-01	2.28E-08	1.0E+06	2.3E-02	5	3.05E-05
286	0.2275	6.30E-04	1.4E-04	1.05E-03	1.50E-07	9.08E-01	1.57E-01	2.14E-08	1.0E+06	2.1E-02	5	2.87E-05
287	0.20535	6.30E-04	1.3E-04	1.05E-03	1.35E-07	9.08E-01	1.57E-01	1.93E-08	1.0E+06	1.9E-02	5	2.59E-05
288	0.18088	6.30E-04	1.1E-04	1.05E-03	1.19E-07	9.08E-01	1.57E-01	1.70E-08	1.0E+06	1.7E-02	5	2.28E-05
289	0.15656	6.30E-04	9.9E-05	1.05E-03	1.03E-07	9.08E-01	1.57E-01	1.47E-08	1.0E+06	1.5E-02	5	1.97E-05
290	0.13505	6.30E-04	8.5E-05	1.05E-03	8.89E-08	9.08E-01	1.57E-01	1.27E-08	1.0E+06	1.3E-02	5	1.70E-05
291	0.11583	6.30E-04	7.3E-05	1.05E-03	7.63E-08	9.08E-01	1.57E-01	1.09E-08	1.0E+06	1.1E-02	5	1.46E-05
292	0.09962	6.30E-04	6.3E-05	1.05E-03	6.56E-08	9.08E-01	1.57E-01	9.36E-09	1.0E+06	9.4E-03	5	1.26E-05
293	0.02265	6.30E-04	1.4E-05	1.05E-03	1.49E-08	9.08E-01	1.57E-01	2.13E-09	1.0E+06	2.1E-03	5	2.85E-06
294	0.02634	6.30E-04	1.7E-05	1.05E-03	1.73E-08	9.08E-01	1.57E-01	2.47E-09	1.0E+06	2.5E-03	5	3.32E-06

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
295	0.03091	6.30E-04	1.9E-05	1.05E-03	2.04E-08	9.08E-01	1.57E-01	2.90E-09	1.0E+06	2.9E-03	5	3.89E-06
296	0.03651	6.30E-04	2.3E-05	1.05E-03	2.40E-08	9.08E-01	1.57E-01	3.43E-09	1.0E+06	3.4E-03	5	4.60E-06
297	0.04345	6.30E-04	2.7E-05	1.05E-03	2.86E-08	9.08E-01	1.57E-01	4.08E-09	1.0E+06	4.1E-03	5	5.47E-06
298	0.05188	6.30E-04	3.3E-05	1.05E-03	3.42E-08	9.08E-01	1.57E-01	4.87E-09	1.0E+06	4.9E-03	5	6.54E-06
299	0.06211	6.30E-04	3.9E-05	1.05E-03	4.09E-08	9.08E-01	1.57E-01	5.84E-09	1.0E+06	5.8E-03	5	7.83E-06
300	0.07428	6.30E-04	4.7E-05	1.05E-03	4.89E-08	9.08E-01	1.57E-01	6.98E-09	1.0E+06	7.0E-03	5	9.36E-06
301	0.08731	6.30E-04	5.5E-05	1.05E-03	5.75E-08	9.08E-01	1.57E-01	8.20E-09	1.0E+06	8.2E-03	5	1.10E-05
302	0.10189	6.30E-04	6.4E-05	1.05E-03	6.71E-08	9.08E-01	1.57E-01	9.57E-09	1.0E+06	9.6E-03	5	1.28E-05
303	0.11694	6.30E-04	7.4E-05	1.05E-03	7.70E-08	9.08E-01	1.57E-01	1.10E-08	1.0E+06	1.1E-02	5	1.47E-05
304	0.13182	6.30E-04	8.3E-05	1.05E-03	8.68E-08	9.08E-01	1.57E-01	1.24E-08	1.0E+06	1.2E-02	5	1.66E-05
305	0.14328	6.30E-04	9.0E-05	1.05E-03	9.43E-08	9.08E-01	1.57E-01	1.35E-08	1.0E+06	1.3E-02	5	1.81E-05
306	0.14962	6.30E-04	9.4E-05	1.05E-03	9.85E-08	9.08E-01	1.57E-01	1.41E-08	1.0E+06	1.4E-02	5	1.89E-05
307	0.152	6.30E-04	9.6E-05	1.05E-03	1.00E-07	9.08E-01	1.57E-01	1.43E-08	1.0E+06	1.4E-02	5	1.92E-05
308	0.14951	6.30E-04	9.4E-05	1.05E-03	9.84E-08	9.08E-01	1.57E-01	1.40E-08	1.0E+06	1.4E-02	5	1.88E-05
309	0.14425	6.30E-04	9.1E-05	1.05E-03	9.50E-08	9.08E-01	1.57E-01	1.36E-08	1.0E+06	1.4E-02	5	1.82E-05
310	0.13414	6.30E-04	8.5E-05	1.05E-03	8.83E-08	9.08E-01	1.57E-01	1.26E-08	1.0E+06	1.3E-02	5	1.69E-05
311	0.12259	6.30E-04	7.7E-05	1.05E-03	8.07E-08	9.08E-01	1.57E-01	1.15E-08	1.0E+06	1.2E-02	5	1.54E-05
312	0.11084	6.30E-04	7.0E-05	1.05E-03	7.30E-08	9.08E-01	1.57E-01	1.04E-08	1.0E+06	1.0E-02	5	1.40E-05
313	0.09894	6.30E-04	6.2E-05	1.05E-03	6.51E-08	9.08E-01	1.57E-01	9.30E-09	1.0E+06	9.3E-03	5	1.25E-05
314	0.08795	6.30E-04	5.5E-05	1.05E-03	5.79E-08	9.08E-01	1.57E-01	8.26E-09	1.0E+06	8.3E-03	5	1.11E-05
315	0.0212	6.30E-04	1.3E-05	1.05E-03	1.40E-08	9.08E-01	1.57E-01	1.99E-09	1.0E+06	2.0E-03	5	2.67E-06
316	0.02412	6.30E-04	1.5E-05	1.05E-03	1.59E-08	9.08E-01	1.57E-01	2.27E-09	1.0E+06	2.3E-03	5	3.04E-06
317	0.02756	6.30E-04	1.7E-05	1.05E-03	1.81E-08	9.08E-01	1.57E-01	2.59E-09	1.0E+06	2.6E-03	5	3.47E-06
318	0.03158	6.30E-04	2.0E-05	1.05E-03	2.08E-08	9.08E-01	1.57E-01	2.97E-09	1.0E+06	3.0E-03	5	3.98E-06
319	0.03626	6.30E-04	2.3E-05	1.05E-03	2.39E-08	9.08E-01	1.57E-01	3.41E-09	1.0E+06	3.4E-03	5	4.57E-06
320	0.04201	6.30E-04	2.6E-05	1.05E-03	2.77E-08	9.08E-01	1.57E-01	3.95E-09	1.0E+06	3.9E-03	5	5.29E-06
321	0.04848	6.30E-04	3.1E-05	1.05E-03	3.19E-08	9.08E-01	1.57E-01	4.55E-09	1.0E+06	4.6E-03	5	6.11E-06
322	0.05585	6.30E-04	3.5E-05	1.05E-03	3.68E-08	9.08E-01	1.57E-01	5.25E-09	1.0E+06	5.2E-03	5	7.04E-06
323	0.06392	6.30E-04	4.0E-05	1.05E-03	4.21E-08	9.08E-01	1.57E-01	6.01E-09	1.0E+06	6.0E-03	5	8.05E-06
324	0.07224	6.30E-04	4.6E-05	1.05E-03	4.76E-08	9.08E-01	1.57E-01	6.79E-09	1.0E+06	6.8E-03	5	9.10E-06
325	0.08079	6.30E-04	5.1E-05	1.05E-03	5.32E-08	9.08E-01	1.57E-01	7.59E-09	1.0E+06	7.6E-03	5	1.02E-05
326	0.08923	6.30E-04	5.6E-05	1.05E-03	5.88E-08	9.08E-01	1.57E-01	8.38E-09	1.0E+06	8.4E-03	5	1.12E-05
327	0.09775	6.30E-04	6.2E-05	1.05E-03	6.44E-08	9.08E-01	1.57E-01	9.18E-09	1.0E+06	9.2E-03	5	1.23E-05
328	0.10056	6.30E-04	6.3E-05	1.05E-03	6.62E-08	9.08E-01	1.57E-01	9.45E-09	1.0E+06	9.4E-03	5	1.27E-05
329	0.10323	6.30E-04	6.5E-05	1.05E-03	6.80E-08	9.08E-01	1.57E-01	9.70E-09	1.0E+06	9.7E-03	5	1.30E-05
330	0.10406	6.30E-04	6.6E-05	1.05E-03	6.85E-08	9.08E-01	1.57E-01	9.78E-09	1.0E+06	9.8E-03	5	1.31E-05
331	0.10287	6.30E-04	6.5E-05	1.05E-03	6.77E-08	9.08E-01	1.57E-01	9.67E-09	1.0E+06	9.7E-03	5	1.30E-05
332	0.09973	6.30E-04	6.3E-05	1.05E-03	6.57E-08	9.08E-01	1.57E-01	9.37E-09	1.0E+06	9.4E-03	5	1.26E-05
333	0.09463	6.30E-04	6.0E-05	1.05E-03	6.23E-08	9.08E-01	1.57E-01	8.89E-09	1.0E+06	8.9E-03	5	1.19E-05
334	0.08888	6.30E-04	5.6E-05	1.05E-03	5.85E-08	9.08E-01	1.57E-01	8.35E-09	1.0E+06	8.4E-03	5	1.12E-05
335	0.08226	6.30E-04	5.2E-05	1.05E-03	5.42E-08	9.08E-01	1.57E-01	7.73E-09	1.0E+06	7.7E-03	5	1.04E-05
336	0.07547	6.30E-04	4.8E-05	1.05E-03	4.97E-08	9.08E-01	1.57E-01	7.09E-09	1.0E+06	7.1E-03	5	9.51E-06
337	0.01978	6.30E-04	1.2E-05	1.05E-03	1.30E-08	9.08E-01	1.57E-01	1.86E-09	1.0E+06	1.9E-03	5	2.49E-06
338	0.02207	6.30E-04	1.4E-05	1.05E-03	1.45E-08	9.08E-01	1.57E-01	2.07E-09	1.0E+06	2.1E-03	5	2.78E-06
339	0.02464	6.30E-04	1.6E-05	1.05E-03	1.62E-08	9.08E-01	1.57E-01	2.32E-09	1.0E+06	2.3E-03	5	3.10E-06
340	0.02761	6.30E-04	1.7E-05	1.05E-03	1.82E-08	9.08E-01	1.57E-01	2.59E-09	1.0E+06	2.6E-03	5	3.48E-06
341	0.03095	6.30E-04	1.9E-05	1.05E-03	2.04E-08	9.08E-01	1.57E-01	2.91E-09	1.0E+06	2.9E-03	5	3.90E-06
342	0.0349	6.30E-04	2.2E-05	1.05E-03	2.30E-08	9.08E-01	1.57E-01	3.28E-09	1.0E+06	3.3E-03	5	4.40E-06
343	0.03919	6.30E-04	2.5E-05	1.05E-03	2.58E-08	9.08E-01	1.57E-01	3.68E-09	1.0E+06	3.7E-03	5	4.94E-06

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
344	0.04397	6.30E-04	2.8E-05	1.05E-03	2.90E-08	9.08E-01	1.57E-01	4.13E-09	1.0E+06	4.1E-03	5	5.54E-06
345	0.04905	6.30E-04	3.1E-05	1.05E-03	3.23E-08	9.08E-01	1.57E-01	4.61E-09	1.0E+06	4.6E-03	5	6.18E-06
346	0.05441	6.30E-04	3.4E-05	1.05E-03	3.58E-08	9.08E-01	1.57E-01	5.11E-09	1.0E+06	5.1E-03	5	6.86E-06
347	0.05965	6.30E-04	3.8E-05	1.05E-03	3.93E-08	9.08E-01	1.57E-01	5.60E-09	1.0E+06	5.6E-03	5	7.52E-06
348	0.0648	6.30E-04	4.1E-05	1.05E-03	4.27E-08	9.08E-01	1.57E-01	6.09E-09	1.0E+06	6.1E-03	5	8.16E-06
349	0.06869	6.30E-04	4.3E-05	1.05E-03	4.52E-08	9.08E-01	1.57E-01	6.45E-09	1.0E+06	6.5E-03	5	8.65E-06
350	0.07216	6.30E-04	4.5E-05	1.05E-03	4.75E-08	9.08E-01	1.57E-01	6.78E-09	1.0E+06	6.8E-03	5	9.09E-06
351	0.0746	6.30E-04	4.7E-05	1.05E-03	4.91E-08	9.08E-01	1.57E-01	7.01E-09	1.0E+06	7.0E-03	5	9.40E-06
352	0.07569	6.30E-04	4.8E-05	1.05E-03	4.98E-08	9.08E-01	1.57E-01	7.11E-09	1.0E+06	7.1E-03	5	9.54E-06
353	0.07629	6.30E-04	4.8E-05	1.05E-03	5.02E-08	9.08E-01	1.57E-01	7.17E-09	1.0E+06	7.2E-03	5	9.61E-06
354	0.07544	6.30E-04	4.8E-05	1.05E-03	4.97E-08	9.08E-01	1.57E-01	7.09E-09	1.0E+06	7.1E-03	5	9.51E-06
355	0.07372	6.30E-04	4.6E-05	1.05E-03	4.85E-08	9.08E-01	1.57E-01	6.93E-09	1.0E+06	6.9E-03	5	9.29E-06
356	0.07108	6.30E-04	4.5E-05	1.05E-03	4.68E-08	9.08E-01	1.57E-01	6.68E-09	1.0E+06	6.7E-03	5	8.96E-06
357	0.0676	6.30E-04	4.3E-05	1.05E-03	4.45E-08	9.08E-01	1.57E-01	6.35E-09	1.0E+06	6.4E-03	5	8.52E-06
358	0.06366	6.30E-04	4.0E-05	1.05E-03	4.19E-08	9.08E-01	1.57E-01	5.98E-09	1.0E+06	6.0E-03	5	8.02E-06
359	0.01838	6.30E-04	1.2E-05	1.05E-03	1.21E-08	9.08E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	2.32E-06
360	0.02018	6.30E-04	1.3E-05	1.05E-03	1.33E-08	9.08E-01	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	2.54E-06
361	0.02215	6.30E-04	1.4E-05	1.05E-03	1.46E-08	9.08E-01	1.57E-01	2.08E-09	1.0E+06	2.1E-03	5	2.79E-06
362	0.02434	6.30E-04	1.5E-05	1.05E-03	1.60E-08	9.08E-01	1.57E-01	2.29E-09	1.0E+06	2.3E-03	5	3.07E-06
363	0.02676	6.30E-04	1.7E-05	1.05E-03	1.76E-08	9.08E-01	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5	3.37E-06
364	0.02952	6.30E-04	1.9E-05	1.05E-03	1.94E-08	9.08E-01	1.57E-01	2.77E-09	1.0E+06	2.8E-03	5	3.72E-06
365	0.03254	6.30E-04	2.0E-05	1.05E-03	2.14E-08	9.08E-01	1.57E-01	3.06E-09	1.0E+06	3.1E-03	5	4.10E-06
366	0.0358	6.30E-04	2.3E-05	1.05E-03	2.36E-08	9.08E-01	1.57E-01	3.36E-09	1.0E+06	3.4E-03	5	4.51E-06
367	0.0393	6.30E-04	2.5E-05	1.05E-03	2.59E-08	9.08E-01	1.57E-01	3.69E-09	1.0E+06	3.7E-03	5	4.95E-06
368	0.04282	6.30E-04	2.7E-05	1.05E-03	2.82E-08	9.08E-01	1.57E-01	4.02E-09	1.0E+06	4.0E-03	5	5.40E-06
369	0.04625	6.30E-04	2.9E-05	1.05E-03	3.05E-08	9.08E-01	1.57E-01	4.35E-09	1.0E+06	4.3E-03	5	5.83E-06
370	0.04946	6.30E-04	3.1E-05	1.05E-03	3.26E-08	9.08E-01	1.57E-01	4.65E-09	1.0E+06	4.6E-03	5	6.23E-06
371	0.05247	6.30E-04	3.3E-05	1.05E-03	3.45E-08	9.08E-01	1.57E-01	4.93E-09	1.0E+06	4.9E-03	5	6.61E-06
372	0.05492	6.30E-04	3.5E-05	1.05E-03	3.62E-08	9.08E-01	1.57E-01	5.16E-09	1.0E+06	5.2E-03	5	6.92E-06
373	0.05664	6.30E-04	3.6E-05	1.05E-03	3.73E-08	9.08E-01	1.57E-01	5.32E-09	1.0E+06	5.3E-03	5	7.14E-06
374	0.05774	6.30E-04	3.6E-05	1.05E-03	3.80E-08	9.08E-01	1.57E-01	5.42E-09	1.0E+06	5.4E-03	5	7.28E-06
375	0.05858	6.30E-04	3.7E-05	1.05E-03	3.86E-08	9.08E-01	1.57E-01	5.50E-09	1.0E+06	5.5E-03	5	7.38E-06
376	0.05867	6.30E-04	3.7E-05	1.05E-03	3.86E-08	9.08E-01	1.57E-01	5.51E-09	1.0E+06	5.5E-03	5	7.39E-06
377	0.05825	6.30E-04	3.7E-05	1.05E-03	3.84E-08	9.08E-01	1.57E-01	5.47E-09	1.0E+06	5.5E-03	5	7.34E-06
378	0.05741	6.30E-04	3.6E-05	1.05E-03	3.78E-08	9.08E-01	1.57E-01	5.39E-09	1.0E+06	5.4E-03	5	7.23E-06
379	0.05579	6.30E-04	3.5E-05	1.05E-03	3.67E-08	9.08E-01	1.57E-01	5.24E-09	1.0E+06	5.2E-03	5	7.03E-06
380	0.05355	6.30E-04	3.4E-05	1.05E-03	3.53E-08	9.08E-01	1.57E-01	5.03E-09	1.0E+06	5.0E-03	5	6.75E-06
381	0.02253	6.30E-04	1.4E-05	1.05E-03	1.48E-08	9.08E-01	1.57E-01	2.12E-09	1.0E+06	2.1E-03	5	2.84E-06
382	0.02599	6.30E-04	1.6E-05	1.05E-03	1.71E-08	9.08E-01	1.57E-01	2.44E-09	1.0E+06	2.4E-03	5	3.27E-06
383	0.03011	6.30E-04	1.9E-05	1.05E-03	1.98E-08	9.08E-01	1.57E-01	2.83E-09	1.0E+06	2.8E-03	5	3.79E-06
384	0.03483	6.30E-04	2.2E-05	1.05E-03	2.29E-08	9.08E-01	1.57E-01	3.27E-09	1.0E+06	3.3E-03	5	4.39E-06
385	0.03991	6.30E-04	2.5E-05	1.05E-03	2.63E-08	9.08E-01	1.57E-01	3.75E-09	1.0E+06	3.7E-03	5	5.03E-06
386	0.04497	6.30E-04	2.8E-05	1.05E-03	2.96E-08	9.08E-01	1.57E-01	4.23E-09	1.0E+06	4.2E-03	5	5.67E-06
387	0.04947	6.30E-04	3.1E-05	1.05E-03	3.26E-08	9.08E-01	1.57E-01	4.65E-09	1.0E+06	4.6E-03	5	6.23E-06
388	0.05286	6.30E-04	3.3E-05	1.05E-03	3.48E-08	9.08E-01	1.57E-01	4.97E-09	1.0E+06	5.0E-03	5	6.66E-06
389	0.05477	6.30E-04	3.5E-05	1.05E-03	3.61E-08	9.08E-01	1.57E-01	5.15E-09	1.0E+06	5.1E-03	5	6.90E-06
390	0.05498	6.30E-04	3.5E-05	1.05E-03	3.62E-08	9.08E-01	1.57E-01	5.17E-09	1.0E+06	5.2E-03	5	6.93E-06
391	0.05344	6.30E-04	3.4E-05	1.05E-03	3.52E-08	9.08E-01	1.57E-01	5.02E-09	1.0E+06	5.0E-03	5	6.73E-06
392	0.0503	6.30E-04	3.2E-05	1.05E-03	3.31E-08	9.08E-01	1.57E-01	4.73E-09	1.0E+06	4.7E-03	5	6.34E-06

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
393	0.04596	6.30E-04	2.9E-05	1.05E-03	3.03E-08	9.08E-01	1.57E-01	4.32E-09	1.0E+06	4.3E-03	5	5.79E-06
394	0.04096	6.30E-04	2.6E-05	1.05E-03	2.70E-08	9.08E-01	1.57E-01	3.85E-09	1.0E+06	3.8E-03	5	5.16E-06
395	0.03596	6.30E-04	2.3E-05	1.05E-03	2.37E-08	9.08E-01	1.57E-01	3.38E-09	1.0E+06	3.4E-03	5	4.53E-06
396	0.03142	6.30E-04	2.0E-05	1.05E-03	2.07E-08	9.08E-01	1.57E-01	2.95E-09	1.0E+06	3.0E-03	5	3.96E-06
397	0.02755	6.30E-04	1.7E-05	1.05E-03	1.81E-08	9.08E-01	1.57E-01	2.59E-09	1.0E+06	2.6E-03	5	3.47E-06
398	0.02439	6.30E-04	1.5E-05	1.05E-03	1.61E-08	9.08E-01	1.57E-01	2.29E-09	1.0E+06	2.3E-03	5	3.07E-06
399	0.02578	6.30E-04	1.6E-05	1.05E-03	1.70E-08	9.08E-01	1.57E-01	2.42E-09	1.0E+06	2.4E-03	5	3.25E-06
400	0.0307	6.30E-04	1.9E-05	1.05E-03	2.02E-08	9.08E-01	1.57E-01	2.88E-09	1.0E+06	2.9E-03	5	3.87E-06
401	0.03693	6.30E-04	2.3E-05	1.05E-03	2.43E-08	9.08E-01	1.57E-01	3.47E-09	1.0E+06	3.5E-03	5	4.65E-06
402	0.04461	6.30E-04	2.8E-05	1.05E-03	2.94E-08	9.08E-01	1.57E-01	4.19E-09	1.0E+06	4.2E-03	5	5.62E-06
403	0.05344	6.30E-04	3.4E-05	1.05E-03	3.52E-08	9.08E-01	1.57E-01	5.02E-09	1.0E+06	5.0E-03	5	6.73E-06
404	0.06254	6.30E-04	3.9E-05	1.05E-03	4.12E-08	9.08E-01	1.57E-01	5.88E-09	1.0E+06	5.9E-03	5	7.88E-06
405	0.07072	6.30E-04	4.5E-05	1.05E-03	4.66E-08	9.08E-01	1.57E-01	6.64E-09	1.0E+06	6.6E-03	5	8.91E-06
406	0.0769	6.30E-04	4.8E-05	1.05E-03	5.06E-08	9.08E-01	1.57E-01	7.23E-09	1.0E+06	7.2E-03	5	9.69E-06
407	0.08045	6.30E-04	5.1E-05	1.05E-03	5.30E-08	9.08E-01	1.57E-01	7.56E-09	1.0E+06	7.6E-03	5	1.01E-05
408	0.08098	6.30E-04	5.1E-05	1.05E-03	5.33E-08	9.08E-01	1.57E-01	7.61E-09	1.0E+06	7.6E-03	5	1.02E-05
409	0.07837	6.30E-04	4.9E-05	1.05E-03	5.16E-08	9.08E-01	1.57E-01	7.36E-09	1.0E+06	7.4E-03	5	9.87E-06
410	0.07278	6.30E-04	4.6E-05	1.05E-03	4.79E-08	9.08E-01	1.57E-01	6.84E-09	1.0E+06	6.8E-03	5	9.17E-06
411	0.06487	6.30E-04	4.1E-05	1.05E-03	4.27E-08	9.08E-01	1.57E-01	6.09E-09	1.0E+06	6.1E-03	5	8.17E-06
412	0.05595	6.30E-04	3.5E-05	1.05E-03	3.68E-08	9.08E-01	1.57E-01	5.26E-09	1.0E+06	5.3E-03	5	7.05E-06
413	0.04746	6.30E-04	3.0E-05	1.05E-03	3.13E-08	9.08E-01	1.57E-01	4.46E-09	1.0E+06	4.5E-03	5	5.98E-06
414	0.04023	6.30E-04	2.5E-05	1.05E-03	2.65E-08	9.08E-01	1.57E-01	3.78E-09	1.0E+06	3.8E-03	5	5.07E-06
415	0.03449	6.30E-04	2.2E-05	1.05E-03	2.27E-08	9.08E-01	1.57E-01	3.24E-09	1.0E+06	3.2E-03	5	4.35E-06
416	0.03005	6.30E-04	1.9E-05	1.05E-03	1.98E-08	9.08E-01	1.57E-01	2.82E-09	1.0E+06	2.8E-03	5	3.79E-06
417	0.02937	6.30E-04	1.9E-05	1.05E-03	1.93E-08	9.08E-01	1.57E-01	2.76E-09	1.0E+06	2.8E-03	5	3.70E-06
418	0.0364	6.30E-04	2.3E-05	1.05E-03	2.40E-08	9.08E-01	1.57E-01	3.42E-09	1.0E+06	3.4E-03	5	4.59E-06
419	0.04611	6.30E-04	2.9E-05	1.05E-03	3.04E-08	9.08E-01	1.57E-01	4.33E-09	1.0E+06	4.3E-03	5	5.81E-06
420	0.05935	6.30E-04	3.7E-05	1.05E-03	3.91E-08	9.08E-01	1.57E-01	5.58E-09	1.0E+06	5.6E-03	5	7.48E-06
421	0.07596	6.30E-04	4.8E-05	1.05E-03	5.00E-08	9.08E-01	1.57E-01	7.14E-09	1.0E+06	7.1E-03	5	9.57E-06
422	0.09402	6.30E-04	5.9E-05	1.05E-03	6.19E-08	9.08E-01	1.57E-01	8.83E-09	1.0E+06	8.8E-03	5	1.18E-05
423	0.11027	6.30E-04	6.9E-05	1.05E-03	7.26E-08	9.08E-01	1.57E-01	1.04E-08	1.0E+06	1.0E-02	5	1.39E-05
424	0.12235	6.30E-04	7.7E-05	1.05E-03	8.06E-08	9.08E-01	1.57E-01	1.15E-08	1.0E+06	1.1E-02	5	1.54E-05
425	0.1296	6.30E-04	8.2E-05	1.05E-03	8.53E-08	9.08E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.63E-05
426	0.13138	6.30E-04	8.3E-05	1.05E-03	8.65E-08	9.08E-01	1.57E-01	1.23E-08	1.0E+06	1.2E-02	5	1.66E-05
427	0.1271	6.30E-04	8.0E-05	1.05E-03	8.37E-08	9.08E-01	1.57E-01	1.19E-08	1.0E+06	1.2E-02	5	1.60E-05
428	0.11634	6.30E-04	7.3E-05	1.05E-03	7.66E-08	9.08E-01	1.57E-01	1.09E-08	1.0E+06	1.1E-02	5	1.47E-05
429	0.10035	6.30E-04	6.3E-05	1.05E-03	6.61E-08	9.08E-01	1.57E-01	9.43E-09	1.0E+06	9.4E-03	5	1.26E-05
430	0.08254	6.30E-04	5.2E-05	1.05E-03	5.43E-08	9.08E-01	1.57E-01	7.75E-09	1.0E+06	7.8E-03	5	1.04E-05
431	0.06669	6.30E-04	4.2E-05	1.05E-03	4.39E-08	9.08E-01	1.57E-01	6.27E-09	1.0E+06	6.3E-03	5	8.40E-06
432	0.05447	6.30E-04	3.4E-05	1.05E-03	3.59E-08	9.08E-01	1.57E-01	5.12E-09	1.0E+06	5.1E-03	5	6.86E-06
433	0.04551	6.30E-04	2.9E-05	1.05E-03	3.00E-08	9.08E-01	1.57E-01	4.28E-09	1.0E+06	4.3E-03	5	5.73E-06
434	0.03897	6.30E-04	2.5E-05	1.05E-03	2.57E-08	9.08E-01	1.57E-01	3.66E-09	1.0E+06	3.7E-03	5	4.91E-06
435	0.03292	6.30E-04	2.1E-05	1.05E-03	2.17E-08	9.08E-01	1.57E-01	3.09E-09	1.0E+06	3.1E-03	5	4.15E-06
436	0.04278	6.30E-04	2.7E-05	1.05E-03	2.82E-08	9.08E-01	1.57E-01	4.02E-09	1.0E+06	4.0E-03	5	5.39E-06
437	0.05819	6.30E-04	3.7E-05	1.05E-03	3.83E-08	9.08E-01	1.57E-01	5.47E-09	1.0E+06	5.5E-03	5	7.33E-06
438	0.08234	6.30E-04	5.2E-05	1.05E-03	5.42E-08	9.08E-01	1.57E-01	7.74E-09	1.0E+06	7.7E-03	5	1.04E-05
439	0.11798	6.30E-04	7.4E-05	1.05E-03	7.77E-08	9.08E-01	1.57E-01	1.11E-08	1.0E+06	1.1E-02	5	1.49E-05
440	0.16126	6.30E-04	1.0E-04	1.05E-03	1.06E-07	9.08E-01	1.57E-01	1.52E-08	1.0E+06	1.5E-02	5	2.03E-05
441	0.19877	6.30E-04	1.3E-04	1.05E-03	1.31E-07	9.08E-01	1.57E-01	1.87E-08	1.0E+06	1.9E-02	5	2.50E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
442	0.22434	6.30E-04	1.4E-04	1.05E-03	1.48E-07	9.08E-01	1.57E-01	2.11E-08	1.0E+06	2.1E-02	5	2.83E-05
443	0.24083	6.30E-04	1.5E-04	1.05E-03	1.59E-07	9.08E-01	1.57E-01	2.26E-08	1.0E+06	2.3E-02	5	3.03E-05
444	0.24807	6.30E-04	1.6E-04	1.05E-03	1.63E-07	9.08E-01	1.57E-01	2.33E-08	1.0E+06	2.3E-02	5	3.13E-05
445	0.24147	6.30E-04	1.5E-04	1.05E-03	1.59E-07	9.08E-01	1.57E-01	2.27E-08	1.0E+06	2.3E-02	5	3.04E-05
446	0.21912	6.30E-04	1.4E-04	1.05E-03	1.44E-07	9.08E-01	1.57E-01	2.06E-08	1.0E+06	2.1E-02	5	2.76E-05
447	0.18022	6.30E-04	1.1E-04	1.05E-03	1.19E-07	9.08E-01	1.57E-01	1.69E-08	1.0E+06	1.7E-02	5	2.27E-05
448	0.13666	6.30E-04	8.6E-05	1.05E-03	9.00E-08	9.08E-01	1.57E-01	1.28E-08	1.0E+06	1.3E-02	5	1.72E-05
449	0.10262	6.30E-04	6.5E-05	1.05E-03	6.76E-08	9.08E-01	1.57E-01	9.64E-09	1.0E+06	9.6E-03	5	1.29E-05
450	0.07989	6.30E-04	5.0E-05	1.05E-03	5.26E-08	9.08E-01	1.57E-01	7.51E-09	1.0E+06	7.5E-03	5	1.01E-05
451	0.06471	6.30E-04	4.1E-05	1.05E-03	4.26E-08	9.08E-01	1.57E-01	6.08E-09	1.0E+06	6.1E-03	5	8.15E-06
452	0.05388	6.30E-04	3.4E-05	1.05E-03	3.55E-08	9.08E-01	1.57E-01	5.06E-09	1.0E+06	5.1E-03	5	6.79E-06
453	0.03603	6.30E-04	2.3E-05	1.05E-03	2.37E-08	9.08E-01	1.57E-01	3.39E-09	1.0E+06	3.4E-03	5	4.54E-06
454	0.04899	6.30E-04	3.1E-05	1.05E-03	3.23E-08	9.08E-01	1.57E-01	4.60E-09	1.0E+06	4.6E-03	5	6.17E-06
455	0.07223	6.30E-04	4.6E-05	1.05E-03	4.76E-08	9.08E-01	1.57E-01	6.79E-09	1.0E+06	6.8E-03	5	9.10E-06
456	0.11701	6.30E-04	7.4E-05	1.05E-03	7.70E-08	9.08E-01	1.57E-01	1.10E-08	1.0E+06	1.1E-02	5	1.47E-05
457	0.2127	6.30E-04	1.3E-04	1.05E-03	1.40E-07	9.08E-01	1.57E-01	2.00E-08	1.0E+06	2.0E-02	5	2.68E-05
458	0.37369	6.30E-04	2.4E-04	1.05E-03	2.46E-07	9.08E-01	1.57E-01	3.51E-08	1.0E+06	3.5E-02	5	4.71E-05
459	0.48978	6.30E-04	3.1E-04	1.05E-03	3.23E-07	9.08E-01	1.57E-01	4.60E-08	1.0E+06	4.6E-02	5	6.17E-05
460	0.55097	6.30E-04	3.5E-04	1.05E-03	3.63E-07	9.08E-01	1.57E-01	5.18E-08	1.0E+06	5.2E-02	5	6.94E-05
461	0.59804	6.30E-04	3.8E-04	1.05E-03	3.94E-07	9.08E-01	1.57E-01	5.62E-08	1.0E+06	5.6E-02	5	7.54E-05
462	0.63882	6.30E-04	4.0E-04	1.05E-03	4.21E-07	9.08E-01	1.57E-01	6.00E-08	1.0E+06	6.0E-02	5	8.05E-05
463	0.6226	6.30E-04	3.9E-04	1.05E-03	4.10E-07	9.08E-01	1.57E-01	5.85E-08	1.0E+06	5.8E-02	5	7.84E-05
464	0.57784	6.30E-04	3.6E-04	1.05E-03	3.80E-07	9.08E-01	1.57E-01	5.43E-08	1.0E+06	5.4E-02	5	7.28E-05
465	0.43858	6.30E-04	2.8E-04	1.05E-03	2.89E-07	9.08E-01	1.57E-01	4.12E-08	1.0E+06	4.1E-02	5	5.53E-05
466	0.274	6.30E-04	1.7E-04	1.05E-03	1.80E-07	9.08E-01	1.57E-01	2.57E-08	1.0E+06	2.6E-02	5	3.45E-05
467	0.18051	6.30E-04	1.1E-04	1.05E-03	1.19E-07	9.08E-01	1.57E-01	1.70E-08	1.0E+06	1.7E-02	5	2.27E-05
468	0.12984	6.30E-04	8.2E-05	1.05E-03	8.55E-08	9.08E-01	1.57E-01	1.22E-08	1.0E+06	1.2E-02	5	1.64E-05
469	0.09899	6.30E-04	6.2E-05	1.05E-03	6.52E-08	9.08E-01	1.57E-01	9.30E-09	1.0E+06	9.3E-03	5	1.25E-05
470	0.07854	6.30E-04	4.9E-05	1.05E-03	5.17E-08	9.08E-01	1.57E-01	7.38E-09	1.0E+06	7.4E-03	5	9.90E-06
471	0.03816	6.30E-04	2.4E-05	1.05E-03	2.51E-08	9.08E-01	1.57E-01	3.59E-09	1.0E+06	3.6E-03	5	4.81E-06
472	0.05389	6.30E-04	3.4E-05	1.05E-03	3.55E-08	9.08E-01	1.57E-01	5.06E-09	1.0E+06	5.1E-03	5	6.79E-06
473	0.08442	6.30E-04	5.3E-05	1.05E-03	5.56E-08	9.08E-01	1.57E-01	7.93E-09	1.0E+06	7.9E-03	5	1.06E-05
474	0.15668	6.30E-04	9.9E-05	1.05E-03	1.03E-07	9.08E-01	1.57E-01	1.47E-08	1.0E+06	1.5E-02	5	1.97E-05
475	0.43093	6.30E-04	2.7E-04	1.05E-03	2.84E-07	9.08E-01	1.57E-01	4.05E-08	1.0E+06	4.0E-02	5	5.43E-05
476	0.71106	6.30E-04	4.5E-04	1.05E-03	4.68E-07	9.08E-01	1.57E-01	6.68E-08	1.0E+06	6.7E-02	5	8.96E-05
477	0.35026	6.30E-04	2.2E-04	1.05E-03	2.31E-07	9.08E-01	1.57E-01	3.29E-08	1.0E+06	3.3E-02	5	4.41E-05
478	0.21915	6.30E-04	1.4E-04	1.05E-03	1.44E-07	9.08E-01	1.57E-01	2.06E-08	1.0E+06	2.1E-02	5	2.76E-05
479	0.15338	6.30E-04	9.7E-05	1.05E-03	1.01E-07	9.08E-01	1.57E-01	1.44E-08	1.0E+06	1.4E-02	5	1.93E-05
480	0.11466	6.30E-04	7.2E-05	1.05E-03	7.55E-08	9.08E-01	1.57E-01	1.08E-08	1.0E+06	1.1E-02	5	1.44E-05
481	0.03927	6.30E-04	2.5E-05	1.05E-03	2.59E-08	9.08E-01	1.57E-01	3.69E-09	1.0E+06	3.7E-03	5	4.95E-06
482	0.05613	6.30E-04	3.5E-05	1.05E-03	3.70E-08	9.08E-01	1.57E-01	5.27E-09	1.0E+06	5.3E-03	5	7.07E-06
483	0.08932	6.30E-04	5.6E-05	1.05E-03	5.88E-08	9.08E-01	1.57E-01	8.39E-09	1.0E+06	8.4E-03	5	1.13E-05
484	0.17498	6.30E-04	1.1E-04	1.05E-03	1.15E-07	9.08E-01	1.57E-01	1.64E-08	1.0E+06	1.6E-02	5	2.20E-05
485	0.568	6.30E-04	3.6E-04	1.05E-03	3.74E-07	9.08E-01	1.57E-01	5.34E-08	1.0E+06	5.3E-02	5	7.16E-05
486	1.18579	6.30E-04	7.5E-04	1.05E-03	7.81E-07	9.08E-01	1.57E-01	1.11E-07	1.0E+06	1.1E-01	5	1.49E-04
487	0.55103	6.30E-04	3.5E-04	1.05E-03	3.63E-07	9.08E-01	1.57E-01	5.18E-08	1.0E+06	5.2E-02	5	6.94E-05
488	0.32582	6.30E-04	2.1E-04	1.05E-03	2.15E-07	9.08E-01	1.57E-01	3.06E-08	1.0E+06	3.1E-02	5	4.11E-05
489	0.21679	6.30E-04	1.4E-04	1.05E-03	1.43E-07	9.08E-01	1.57E-01	2.04E-08	1.0E+06	2.0E-02	5	2.73E-05
490	0.1558	6.30E-04	9.8E-05	1.05E-03	1.03E-07	9.08E-01	1.57E-01	1.46E-08	1.0E+06	1.5E-02	5	1.96E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
491	0.0391	6.30E-04	2.5E-05	1.05E-03	2.57E-08	9.08E-01	1.57E-01	3.67E-09	1.0E+06	3.7E-03	5	4.93E-06
492	0.05503	6.30E-04	3.5E-05	1.05E-03	3.62E-08	9.08E-01	1.57E-01	5.17E-09	1.0E+06	5.2E-03	5	6.93E-06
493	0.0853	6.30E-04	5.4E-05	1.05E-03	5.62E-08	9.08E-01	1.57E-01	8.01E-09	1.0E+06	8.0E-03	5	1.07E-05
494	0.15688	6.30E-04	9.9E-05	1.05E-03	1.03E-07	9.08E-01	1.57E-01	1.47E-08	1.0E+06	1.5E-02	5	1.98E-05
495	0.42029	6.30E-04	2.6E-04	1.05E-03	2.77E-07	9.08E-01	1.57E-01	3.95E-08	1.0E+06	3.9E-02	5	5.30E-05
496	1.92949	6.30E-04	1.2E-03	1.05E-03	1.27E-06	9.08E-01	1.57E-01	1.81E-07	1.0E+06	1.8E-01	5	2.43E-04
497	1.58185	6.30E-04	1.0E-03	1.05E-03	1.04E-06	9.08E-01	1.57E-01	1.49E-07	1.0E+06	1.5E-01	5	1.99E-04
498	2.31241	6.30E-04	1.5E-03	1.05E-03	1.52E-06	9.08E-01	1.57E-01	2.17E-07	1.0E+06	2.2E-01	5	2.91E-04
499	1.07166	6.30E-04	6.8E-04	1.05E-03	7.06E-07	9.08E-01	1.57E-01	1.01E-07	1.0E+06	1.0E-01	5	1.35E-04
500	0.60701	6.30E-04	3.8E-04	1.05E-03	4.00E-07	9.08E-01	1.57E-01	5.70E-08	1.0E+06	5.7E-02	5	7.65E-05
501	0.38215	6.30E-04	2.4E-04	1.05E-03	2.52E-07	9.08E-01	1.57E-01	3.59E-08	1.0E+06	3.6E-02	5	4.82E-05
502	0.26017	6.30E-04	1.6E-04	1.05E-03	1.71E-07	9.08E-01	1.57E-01	2.44E-08	1.0E+06	2.4E-02	5	3.28E-05
503	0.18756	6.30E-04	1.2E-04	1.05E-03	1.24E-07	9.08E-01	1.57E-01	1.76E-08	1.0E+06	1.8E-02	5	2.36E-05
504	0.03784	6.30E-04	2.4E-05	1.05E-03	2.49E-08	9.08E-01	1.57E-01	3.56E-09	1.0E+06	3.6E-03	5	4.77E-06
505	0.05134	6.30E-04	3.2E-05	1.05E-03	3.38E-08	9.08E-01	1.57E-01	4.82E-09	1.0E+06	4.8E-03	5	6.47E-06
506	0.07532	6.30E-04	4.7E-05	1.05E-03	4.96E-08	9.08E-01	1.57E-01	7.08E-09	1.0E+06	7.1E-03	5	9.49E-06
507	0.11979	6.30E-04	7.5E-05	1.05E-03	7.89E-08	9.08E-01	1.57E-01	1.13E-08	1.0E+06	1.1E-02	5	1.51E-05
508	0.2147	6.30E-04	1.4E-04	1.05E-03	1.41E-07	9.08E-01	1.57E-01	2.02E-08	1.0E+06	2.0E-02	5	2.71E-05
509	0.38989	6.30E-04	2.5E-04	1.05E-03	2.57E-07	9.08E-01	1.57E-01	3.66E-08	1.0E+06	3.7E-02	5	4.91E-05
510	0.58345	6.30E-04	3.7E-04	1.05E-03	3.84E-07	9.08E-01	1.57E-01	5.48E-08	1.0E+06	5.5E-02	5	7.35E-05
511	0.68426	6.30E-04	4.3E-04	1.05E-03	4.51E-07	9.08E-01	1.57E-01	6.43E-08	1.0E+06	6.4E-02	5	8.62E-05
512	0.85941	6.30E-04	5.4E-04	1.05E-03	5.66E-07	9.08E-01	1.57E-01	8.07E-08	1.0E+06	8.1E-02	5	1.08E-04
513	2.77875	6.30E-04	1.8E-03	1.05E-03	1.83E-06	9.08E-01	1.57E-01	2.61E-07	1.0E+06	2.6E-01	5	3.50E-04
514	3.51315	6.30E-04	2.2E-03	1.05E-03	2.31E-06	9.08E-01	1.57E-01	3.30E-07	1.0E+06	3.3E-01	5	4.43E-04
515	2.88362	6.30E-04	1.8E-03	1.05E-03	1.90E-06	9.08E-01	1.57E-01	2.71E-07	1.0E+06	2.7E-01	5	3.63E-04
516	1.29169	6.30E-04	8.1E-04	1.05E-03	8.51E-07	9.08E-01	1.57E-01	1.21E-07	1.0E+06	1.2E-01	5	1.63E-04
517	0.78486	6.30E-04	4.9E-04	1.05E-03	5.17E-07	9.08E-01	1.57E-01	7.37E-08	1.0E+06	7.4E-02	5	9.89E-05
518	0.52381	6.30E-04	3.3E-04	1.05E-03	3.45E-07	9.08E-01	1.57E-01	4.92E-08	1.0E+06	4.9E-02	5	6.60E-05
519	0.36546	6.30E-04	2.3E-04	1.05E-03	2.41E-07	9.08E-01	1.57E-01	3.43E-08	1.0E+06	3.4E-02	5	4.60E-05
520	0.26438	6.30E-04	1.7E-04	1.05E-03	1.74E-07	9.08E-01	1.57E-01	2.48E-08	1.0E+06	2.5E-02	5	3.33E-05
521	0.19772	6.30E-04	1.2E-04	1.05E-03	1.30E-07	9.08E-01	1.57E-01	1.86E-08	1.0E+06	1.9E-02	5	2.49E-05
522	0.03561	6.30E-04	2.2E-05	1.05E-03	2.34E-08	9.08E-01	1.57E-01	3.35E-09	1.0E+06	3.3E-03	5	4.49E-06
523	0.04649	6.30E-04	2.9E-05	1.05E-03	3.06E-08	9.08E-01	1.57E-01	4.37E-09	1.0E+06	4.4E-03	5	5.86E-06
524	0.06309	6.30E-04	4.0E-05	1.05E-03	4.15E-08	9.08E-01	1.57E-01	5.93E-09	1.0E+06	5.9E-03	5	7.95E-06
525	0.0886	6.30E-04	5.6E-05	1.05E-03	5.83E-08	9.08E-01	1.57E-01	8.32E-09	1.0E+06	8.3E-03	5	1.12E-05
526	0.12621	6.30E-04	8.0E-05	1.05E-03	8.31E-08	9.08E-01	1.57E-01	1.19E-08	1.0E+06	1.2E-02	5	1.59E-05
527	0.18118	6.30E-04	1.1E-04	1.05E-03	1.19E-07	9.08E-01	1.57E-01	1.70E-08	1.0E+06	1.7E-02	5	2.28E-05
528	0.2456	6.30E-04	1.5E-04	1.05E-03	1.62E-07	9.08E-01	1.57E-01	2.31E-08	1.0E+06	2.3E-02	5	3.09E-05
529	0.31763	6.30E-04	2.0E-04	1.05E-03	2.09E-07	9.08E-01	1.57E-01	2.98E-08	1.0E+06	3.0E-02	5	4.00E-05
530	0.41113	6.30E-04	2.6E-04	1.05E-03	2.71E-07	9.08E-01	1.57E-01	3.86E-08	1.0E+06	3.9E-02	5	5.18E-05
531	0.55057	6.30E-04	3.5E-04	1.05E-03	3.63E-07	9.08E-01	1.57E-01	5.17E-08	1.0E+06	5.2E-02	5	6.94E-05
532	0.69291	6.30E-04	4.4E-04	1.05E-03	4.56E-07	9.08E-01	1.57E-01	6.51E-08	1.0E+06	6.5E-02	5	8.73E-05
533	0.7283	6.30E-04	4.6E-04	1.05E-03	4.80E-07	9.08E-01	1.57E-01	6.84E-08	1.0E+06	6.8E-02	5	9.18E-05
534	0.63288	6.30E-04	4.0E-04	1.05E-03	4.17E-07	9.08E-01	1.57E-01	5.95E-08	1.0E+06	5.9E-02	5	7.97E-05
535	0.5023	6.30E-04	3.2E-04	1.05E-03	3.31E-07	9.08E-01	1.57E-01	4.72E-08	1.0E+06	4.7E-02	5	6.33E-05
536	0.38917	6.30E-04	2.5E-04	1.05E-03	2.56E-07	9.08E-01	1.57E-01	3.66E-08	1.0E+06	3.7E-02	5	4.90E-05
537	0.30186	6.30E-04	1.9E-04	1.05E-03	1.99E-07	9.08E-01	1.57E-01	2.84E-08	1.0E+06	2.8E-02	5	3.80E-05
538	0.23547	6.30E-04	1.5E-04	1.05E-03	1.55E-07	9.08E-01	1.57E-01	2.21E-08	1.0E+06	2.2E-02	5	2.97E-05
539	0.18607	6.30E-04	1.2E-04	1.05E-03	1.23E-07	9.08E-01	1.57E-01	1.75E-08	1.0E+06	1.7E-02	5	2.34E-05

9th and Vineyard

SLINE 11/12/13 - Building Construction Risk

						Cancer Risk from Birth to 2 Years					*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
540	0.03286	6.30E-04	2.1E-05	1.05E-03	2.16E-08	9.08E-01	1.57E-01	3.09E-09	1.0E+06	3.1E-03	5	4.14E-06
541	0.04101	6.30E-04	2.6E-05	1.05E-03	2.70E-08	9.08E-01	1.57E-01	3.85E-09	1.0E+06	3.9E-03	5	5.17E-06
542	0.05215	6.30E-04	3.3E-05	1.05E-03	3.43E-08	9.08E-01	1.57E-01	4.90E-09	1.0E+06	4.9E-03	5	6.57E-06
543	0.06716	6.30E-04	4.2E-05	1.05E-03	4.42E-08	9.08E-01	1.57E-01	6.31E-09	1.0E+06	6.3E-03	5	8.46E-06
544	0.08732	6.30E-04	5.5E-05	1.05E-03	5.75E-08	9.08E-01	1.57E-01	8.20E-09	1.0E+06	8.2E-03	5	1.10E-05
545	0.11247	6.30E-04	7.1E-05	1.05E-03	7.41E-08	9.08E-01	1.57E-01	1.06E-08	1.0E+06	1.1E-02	5	1.42E-05
546	0.14346	6.30E-04	9.0E-05	1.05E-03	9.45E-08	9.08E-01	1.57E-01	1.35E-08	1.0E+06	1.3E-02	5	1.81E-05
547	0.17915	6.30E-04	1.1E-04	1.05E-03	1.18E-07	9.08E-01	1.57E-01	1.68E-08	1.0E+06	1.7E-02	5	2.26E-05
548	0.22128	6.30E-04	1.4E-04	1.05E-03	1.46E-07	9.08E-01	1.57E-01	2.08E-08	1.0E+06	2.1E-02	5	2.79E-05
549	0.26602	6.30E-04	1.7E-04	1.05E-03	1.75E-07	9.08E-01	1.57E-01	2.50E-08	1.0E+06	2.5E-02	5	3.35E-05
550	0.30766	6.30E-04	1.9E-04	1.05E-03	2.03E-07	9.08E-01	1.57E-01	2.89E-08	1.0E+06	2.9E-02	5	3.88E-05
551	0.3381	6.30E-04	2.1E-04	1.05E-03	2.23E-07	9.08E-01	1.57E-01	3.18E-08	1.0E+06	3.2E-02	5	4.26E-05
552	0.32725	6.30E-04	2.1E-04	1.05E-03	2.15E-07	9.08E-01	1.57E-01	3.07E-08	1.0E+06	3.1E-02	5	4.12E-05
553	0.3018	6.30E-04	1.9E-04	1.05E-03	1.99E-07	9.08E-01	1.57E-01	2.84E-08	1.0E+06	2.8E-02	5	3.80E-05
554	0.26514	6.30E-04	1.7E-04	1.05E-03	1.75E-07	9.08E-01	1.57E-01	2.49E-08	1.0E+06	2.5E-02	5	3.34E-05
555	0.22833	6.30E-04	1.4E-04	1.05E-03	1.50E-07	9.08E-01	1.57E-01	2.15E-08	1.0E+06	2.1E-02	5	2.88E-05
556	0.19182	6.30E-04	1.2E-04	1.05E-03	1.26E-07	9.08E-01	1.57E-01	1.80E-08	1.0E+06	1.8E-02	5	2.42E-05
557	0.1605	6.30E-04	1.0E-04	1.05E-03	1.06E-07	9.08E-01	1.57E-01	1.51E-08	1.0E+06	1.5E-02	5	2.02E-05
558	0.02995	6.30E-04	1.9E-05	1.05E-03	1.97E-08	9.08E-01	1.57E-01	2.81E-09	1.0E+06	2.8E-03	5	3.77E-06
559	0.03595	6.30E-04	2.3E-05	1.05E-03	2.37E-08	9.08E-01	1.57E-01	3.38E-09	1.0E+06	3.4E-03	5	4.53E-06
560	0.04339	6.30E-04	2.7E-05	1.05E-03	2.86E-08	9.08E-01	1.57E-01	4.08E-09	1.0E+06	4.1E-03	5	5.47E-06
561	0.05285	6.30E-04	3.3E-05	1.05E-03	3.48E-08	9.08E-01	1.57E-01	4.97E-09	1.0E+06	5.0E-03	5	6.66E-06
562	0.06443	6.30E-04	4.1E-05	1.05E-03	4.24E-08	9.08E-01	1.57E-01	6.05E-09	1.0E+06	6.1E-03	5	8.12E-06
563	0.0787	6.30E-04	5.0E-05	1.05E-03	5.18E-08	9.08E-01	1.57E-01	7.39E-09	1.0E+06	7.4E-03	5	9.92E-06
564	0.09579	6.30E-04	6.0E-05	1.05E-03	6.31E-08	9.08E-01	1.57E-01	9.00E-09	1.0E+06	9.0E-03	5	1.21E-05
565	0.11427	6.30E-04	7.2E-05	1.05E-03	7.52E-08	9.08E-01	1.57E-01	1.07E-08	1.0E+06	1.1E-02	5	1.44E-05
566	0.13497	6.30E-04	8.5E-05	1.05E-03	8.89E-08	9.08E-01	1.57E-01	1.27E-08	1.0E+06	1.3E-02	5	1.70E-05
567	0.15561	6.30E-04	9.8E-05	1.05E-03	1.02E-07	9.08E-01	1.57E-01	1.46E-08	1.0E+06	1.5E-02	5	1.96E-05
568	0.17461	6.30E-04	1.1E-04	1.05E-03	1.15E-07	9.08E-01	1.57E-01	1.64E-08	1.0E+06	1.6E-02	5	2.20E-05
569	0.18534	6.30E-04	1.2E-04	1.05E-03	1.22E-07	9.08E-01	1.57E-01	1.74E-08	1.0E+06	1.7E-02	5	2.34E-05
570	0.18962	6.30E-04	1.2E-04	1.05E-03	1.25E-07	9.08E-01	1.57E-01	1.78E-08	1.0E+06	1.8E-02	5	2.39E-05
571	0.1875	6.30E-04	1.2E-04	1.05E-03	1.23E-07	9.08E-01	1.57E-01	1.76E-08	1.0E+06	1.8E-02	5	2.36E-05
572	0.17873	6.30E-04	1.1E-04	1.05E-03	1.18E-07	9.08E-01	1.57E-01	1.68E-08	1.0E+06	1.7E-02	5	2.25E-05
573	0.16416	6.30E-04	1.0E-04	1.05E-03	1.08E-07	9.08E-01	1.57E-01	1.54E-08	1.0E+06	1.5E-02	5	2.07E-05
574	0.14752	6.30E-04	9.3E-05	1.05E-03	9.71E-08	9.08E-01	1.57E-01	1.39E-08	1.0E+06	1.4E-02	5	1.86E-05
575	0.13094	6.30E-04	8.2E-05	1.05E-03	8.62E-08	9.08E-01	1.57E-01	1.23E-08	1.0E+06	1.2E-02	5	1.65E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years												*Chronic Non Cancer Risk*				
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**		**Max**	**Receptor #**	**REL**	**HI**		**Max**	**Receptor #**
1	0.01451	4.72E-04	6.9E-06	1.05E-03	7.17E-09	6.00E-02	1.57E-01	6.76E-11	1.0E+06	6.8E-05				5	1.37E-06			
2	0.01585	4.72E-04	7.5E-06	1.05E-03	7.83E-09	6.00E-02	1.57E-01	7.38E-11	1.0E+06	7.4E-05	Res	0.016	514	5	1.50E-06		3.32E-04	514 Res
3	0.01713	4.72E-04	8.1E-06	1.05E-03	8.46E-09	6.00E-02	1.57E-01	7.98E-11	1.0E+06	8.0E-05				5	1.62E-06			
4	0.0187	4.72E-04	8.8E-06	1.05E-03	9.24E-09	6.00E-02	1.57E-01	8.71E-11	1.0E+06	8.7E-05				5	1.77E-06			
5	0.02036	4.72E-04	9.6E-06	1.05E-03	1.01E-08	6.00E-02	1.57E-01	9.48E-11	1.0E+06	9.5E-05				5	1.92E-06			
6	0.02204	4.72E-04	1.0E-05	1.05E-03	1.09E-08	6.00E-02	1.57E-01	1.03E-10	1.0E+06	1.0E-04				5	2.08E-06			
7	0.02365	4.72E-04	1.1E-05	1.05E-03	1.17E-08	6.00E-02	1.57E-01	1.10E-10	1.0E+06	1.1E-04				5	2.23E-06			
8	0.02509	4.72E-04	1.2E-05	1.05E-03	1.24E-08	6.00E-02	1.57E-01	1.17E-10	1.0E+06	1.2E-04				5	2.37E-06			
9	0.02624	4.72E-04	1.2E-05	1.05E-03	1.30E-08	6.00E-02	1.57E-01	1.22E-10	1.0E+06	1.2E-04				5	2.48E-06			
10	0.027	4.72E-04	1.3E-05	1.05E-03	1.33E-08	6.00E-02	1.57E-01	1.26E-10	1.0E+06	1.3E-04				5	2.55E-06			
11	0.0273	4.72E-04	1.3E-05	1.05E-03	1.35E-08	6.00E-02	1.57E-01	1.27E-10	1.0E+06	1.3E-04				5	2.58E-06			
12	0.02709	4.72E-04	1.3E-05	1.05E-03	1.34E-08	6.00E-02	1.57E-01	1.26E-10	1.0E+06	1.3E-04				5	2.56E-06			
13	0.0264	4.72E-04	1.2E-05	1.05E-03	1.30E-08	6.00E-02	1.57E-01	1.23E-10	1.0E+06	1.2E-04				5	2.49E-06			
14	0.02529	4.72E-04	1.2E-05	1.05E-03	1.25E-08	6.00E-02	1.57E-01	1.18E-10	1.0E+06	1.2E-04				5	2.39E-06			
15	0.02385	4.72E-04	1.1E-05	1.05E-03	1.18E-08	6.00E-02	1.57E-01	1.11E-10	1.0E+06	1.1E-04				5	2.25E-06			
16	0.02221	4.72E-04	1.0E-05	1.05E-03	1.10E-08	6.00E-02	1.57E-01	1.03E-10	1.0E+06	1.0E-04				5	2.10E-06			
17	0.0205	4.72E-04	9.7E-06	1.05E-03	1.01E-08	6.00E-02	1.57E-01	9.55E-11	1.0E+06	9.5E-05				5	1.94E-06			
18	0.01882	4.72E-04	8.9E-06	1.05E-03	9.29E-09	6.00E-02	1.57E-01	8.76E-11	1.0E+06	8.8E-05				5	1.78E-06			
19	0.01726	4.72E-04	8.2E-06	1.05E-03	8.52E-09	6.00E-02	1.57E-01	8.04E-11	1.0E+06	8.0E-05				5	1.63E-06			
20	0.01586	4.72E-04	7.5E-06	1.05E-03	7.83E-09	6.00E-02	1.57E-01	7.38E-11	1.0E+06	7.4E-05				5	1.50E-06			
21	0.01463	4.72E-04	6.9E-06	1.05E-03	7.23E-09	6.00E-02	1.57E-01	6.81E-11	1.0E+06	6.8E-05				5	1.38E-06			
22	0.01356	4.72E-04	6.4E-06	1.05E-03	6.70E-09	6.00E-02	1.57E-01	6.31E-11	1.0E+06	6.3E-05				5	1.28E-06			
23	0.01587	4.72E-04	7.5E-06	1.05E-03	7.84E-09	6.00E-02	1.57E-01	7.39E-11	1.0E+06	7.4E-05				5	1.50E-06			
24	0.01758	4.72E-04	8.3E-06	1.05E-03	8.68E-09	6.00E-02	1.57E-01	8.19E-11	1.0E+06	8.2E-05				5	1.66E-06			
25	0.01954	4.72E-04	9.2E-06	1.05E-03	9.65E-09	6.00E-02	1.57E-01	9.10E-11	1.0E+06	9.1E-05				5	1.85E-06			
26	0.02174	4.72E-04	1.0E-05	1.05E-03	1.07E-08	6.00E-02	1.57E-01	1.01E-10	1.0E+06	1.0E-04				5	2.05E-06			
27	0.02414	4.72E-04	1.1E-05	1.05E-03	1.19E-08	6.00E-02	1.57E-01	1.12E-10	1.0E+06	1.1E-04				5	2.28E-06			
28	0.02665	4.72E-04	1.3E-05	1.05E-03	1.32E-08	6.00E-02	1.57E-01	1.24E-10	1.0E+06	1.2E-04				5	2.52E-06			
29	0.02912	4.72E-04	1.4E-05	1.05E-03	1.44E-08	6.00E-02	1.57E-01	1.36E-10	1.0E+06	1.4E-04				5	2.75E-06			
30	0.03137	4.72E-04	1.5E-05	1.05E-03	1.55E-08	6.00E-02	1.57E-01	1.46E-10	1.0E+06	1.5E-04				5	2.96E-06			
31	0.03319	4.72E-04	1.6E-05	1.05E-03	1.64E-08	6.00E-02	1.57E-01	1.55E-10	1.0E+06	1.5E-04				5	3.14E-06			
32	0.03441	4.72E-04	1.6E-05	1.05E-03	1.70E-08	6.00E-02	1.57E-01	1.60E-10	1.0E+06	1.6E-04				5	3.25E-06			
33	0.03488	4.72E-04	1.6E-05	1.05E-03	1.72E-08	6.00E-02	1.57E-01	1.62E-10	1.0E+06	1.6E-04				5	3.30E-06			
34	0.03454	4.72E-04	1.6E-05	1.05E-03	1.71E-08	6.00E-02	1.57E-01	1.61E-10	1.0E+06	1.6E-04				5	3.26E-06			
35	0.03344	4.72E-04	1.6E-05	1.05E-03	1.65E-08	6.00E-02	1.57E-01	1.56E-10	1.0E+06	1.6E-04				5	3.16E-06			
36	0.03169	4.72E-04	1.5E-05	1.05E-03	1.57E-08	6.00E-02	1.57E-01	1.48E-10	1.0E+06	1.5E-04				5	2.99E-06			
37	0.02946	4.72E-04	1.4E-05	1.05E-03	1.45E-08	6.00E-02	1.57E-01	1.37E-10	1.0E+06	1.4E-04				5	2.78E-06			
38	0.02697	4.72E-04	1.3E-05	1.05E-03	1.33E-08	6.00E-02	1.57E-01	1.26E-10	1.0E+06	1.3E-04				5	2.55E-06			
39	0.02445	4.72E-04	1.2E-05	1.05E-03	1.21E-08	6.00E-02	1.57E-01	1.14E-10	1.0E+06	1.1E-04				5	2.31E-06			
40	0.02208	4.72E-04	1.0E-05	1.05E-03	1.09E-08	6.00E-02	1.57E-01	1.03E-10	1.0E+06	1.0E-04				5	2.09E-06			
41	0.01996	4.72E-04	9.4E-06	1.05E-03	9.86E-09	6.00E-02	1.57E-01	9.29E-11	1.0E+06	9.3E-05				5	1.89E-06			
42	0.01811	4.72E-04	8.6E-06	1.05E-03	8.94E-09	6.00E-02	1.57E-01	8.43E-11	1.0E+06	8.4E-05				5	1.71E-06			
43	0.01654	4.72E-04	7.8E-06	1.05E-03	8.17E-09	6.00E-02	1.57E-01	7.70E-11	1.0E+06	7.7E-05				5	1.56E-06			
44	0.01524	4.72E-04	7.2E-06	1.05E-03	7.53E-09	6.00E-02	1.57E-01	7.10E-11	1.0E+06	7.1E-05				5	1.44E-06			
45	0.01755	4.72E-04	8.3E-06	1.05E-03	8.67E-09	6.00E-02	1.57E-01	8.17E-11	1.0E+06	8.2E-05				5	1.66E-06			
46	0.0198	4.72E-04	9.4E-06	1.05E-03	9.78E-09	6.00E-02	1.57E-01	9.22E-11	1.0E+06	9.2E-05				5	1.87E-06			
47	0.02249	4.72E-04	1.1E-05	1.05E-03	1.11E-08	6.00E-02	1.57E-01	1.05E-10	1.0E+06	1.0E-04				5	2.13E-06			
48	0.02563	4.72E-04	1.2E-05	1.05E-03	1.27E-08	6.00E-02	1.57E-01	1.19E-10	1.0E+06	1.2E-04				5	2.42E-06			
49	0.02921	4.72E-04	1.4E-05	1.05E-03	1.44E-08	6.00E-02	1.57E-01	1.36E-10	1.0E+06	1.4E-04				5	2.76E-06			

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
50	0.03311	4.72E-04	1.6E-05	1.05E-03	1.64E-08	6.00E-02	1.57E-01	1.54E-10	1.0E+06	1.5E-04	5	3.13E-06
51	0.03707	4.72E-04	1.8E-05	1.05E-03	1.83E-08	6.00E-02	1.57E-01	1.73E-10	1.0E+06	1.7E-04	5	3.50E-06
52	0.04077	4.72E-04	1.9E-05	1.05E-03	2.01E-08	6.00E-02	1.57E-01	1.90E-10	1.0E+06	1.9E-04	5	3.85E-06
53	0.0438	4.72E-04	2.1E-05	1.05E-03	2.16E-08	6.00E-02	1.57E-01	2.04E-10	1.0E+06	2.0E-04	5	4.14E-06
54	0.04584	4.72E-04	2.2E-05	1.05E-03	2.26E-08	6.00E-02	1.57E-01	2.13E-10	1.0E+06	2.1E-04	5	4.33E-06
55	0.04665	4.72E-04	2.2E-05	1.05E-03	2.30E-08	6.00E-02	1.57E-01	2.17E-10	1.0E+06	2.2E-04	5	4.41E-06
56	0.04611	4.72E-04	2.2E-05	1.05E-03	2.28E-08	6.00E-02	1.57E-01	2.15E-10	1.0E+06	2.1E-04	5	4.36E-06
57	0.0443	4.72E-04	2.1E-05	1.05E-03	2.19E-08	6.00E-02	1.57E-01	2.06E-10	1.0E+06	2.1E-04	5	4.19E-06
58	0.04138	4.72E-04	2.0E-05	1.05E-03	2.04E-08	6.00E-02	1.57E-01	1.93E-10	1.0E+06	1.9E-04	5	3.91E-06
59	0.03776	4.72E-04	1.8E-05	1.05E-03	1.86E-08	6.00E-02	1.57E-01	1.76E-10	1.0E+06	1.8E-04	5	3.57E-06
60	0.03382	4.72E-04	1.6E-05	1.05E-03	1.67E-08	6.00E-02	1.57E-01	1.57E-10	1.0E+06	1.6E-04	5	3.20E-06
61	0.02998	4.72E-04	1.4E-05	1.05E-03	1.48E-08	6.00E-02	1.57E-01	1.40E-10	1.0E+06	1.4E-04	5	2.83E-06
62	0.02652	4.72E-04	1.3E-05	1.05E-03	1.31E-08	6.00E-02	1.57E-01	1.23E-10	1.0E+06	1.2E-04	5	2.51E-06
63	0.02357	4.72E-04	1.1E-05	1.05E-03	1.16E-08	6.00E-02	1.57E-01	1.10E-10	1.0E+06	1.1E-04	5	2.23E-06
64	0.02112	4.72E-04	1.0E-05	1.05E-03	1.04E-08	6.00E-02	1.57E-01	9.83E-11	1.0E+06	9.8E-05	5	2.00E-06
65	0.01912	4.72E-04	9.0E-06	1.05E-03	9.44E-09	6.00E-02	1.57E-01	8.90E-11	1.0E+06	8.9E-05	5	1.81E-06
66	0.01748	4.72E-04	8.3E-06	1.05E-03	8.63E-09	6.00E-02	1.57E-01	8.14E-11	1.0E+06	8.1E-05	5	1.65E-06
67	0.01938	4.72E-04	9.2E-06	1.05E-03	9.57E-09	6.00E-02	1.57E-01	9.02E-11	1.0E+06	9.0E-05	5	1.83E-06
68	0.02236	4.72E-04	1.1E-05	1.05E-03	1.10E-08	6.00E-02	1.57E-01	1.04E-10	1.0E+06	1.0E-04	5	2.11E-06
69	0.02605	4.72E-04	1.2E-05	1.05E-03	1.29E-08	6.00E-02	1.57E-01	1.21E-10	1.0E+06	1.2E-04	5	2.46E-06
70	0.03064	4.72E-04	1.4E-05	1.05E-03	1.51E-08	6.00E-02	1.57E-01	1.43E-10	1.0E+06	1.4E-04	5	2.90E-06
71	0.03617	4.72E-04	1.7E-05	1.05E-03	1.79E-08	6.00E-02	1.57E-01	1.68E-10	1.0E+06	1.7E-04	5	3.42E-06
72	0.04253	4.72E-04	2.0E-05	1.05E-03	2.10E-08	6.00E-02	1.57E-01	1.98E-10	1.0E+06	2.0E-04	5	4.02E-06
73	0.04927	4.72E-04	2.3E-05	1.05E-03	2.43E-08	6.00E-02	1.57E-01	2.29E-10	1.0E+06	2.3E-04	5	4.66E-06
74	0.05574	4.72E-04	2.6E-05	1.05E-03	2.75E-08	6.00E-02	1.57E-01	2.60E-10	1.0E+06	2.6E-04	5	5.27E-06
75	0.06109	4.72E-04	2.9E-05	1.05E-03	3.02E-08	6.00E-02	1.57E-01	2.84E-10	1.0E+06	2.8E-04	5	5.77E-06
76	0.06471	4.72E-04	3.1E-05	1.05E-03	3.20E-08	6.00E-02	1.57E-01	3.01E-10	1.0E+06	3.0E-04	5	6.11E-06
77	0.06618	4.72E-04	3.1E-05	1.05E-03	3.27E-08	6.00E-02	1.57E-01	3.08E-10	1.0E+06	3.1E-04	5	6.25E-06
78	0.06532	4.72E-04	3.1E-05	1.05E-03	3.23E-08	6.00E-02	1.57E-01	3.04E-10	1.0E+06	3.0E-04	5	6.17E-06
79	0.06222	4.72E-04	2.9E-05	1.05E-03	3.07E-08	6.00E-02	1.57E-01	2.90E-10	1.0E+06	2.9E-04	5	5.88E-06
80	0.05715	4.72E-04	2.7E-05	1.05E-03	2.82E-08	6.00E-02	1.57E-01	2.66E-10	1.0E+06	2.7E-04	5	5.40E-06
81	0.05084	4.72E-04	2.4E-05	1.05E-03	2.51E-08	6.00E-02	1.57E-01	2.37E-10	1.0E+06	2.4E-04	5	4.80E-06
82	0.0442	4.72E-04	2.1E-05	1.05E-03	2.18E-08	6.00E-02	1.57E-01	2.06E-10	1.0E+06	2.1E-04	5	4.18E-06
83	0.03807	4.72E-04	1.8E-05	1.05E-03	1.88E-08	6.00E-02	1.57E-01	1.77E-10	1.0E+06	1.8E-04	5	3.60E-06
84	0.03287	4.72E-04	1.6E-05	1.05E-03	1.62E-08	6.00E-02	1.57E-01	1.53E-10	1.0E+06	1.5E-04	5	3.11E-06
85	0.02868	4.72E-04	1.4E-05	1.05E-03	1.42E-08	6.00E-02	1.57E-01	1.34E-10	1.0E+06	1.3E-04	5	2.71E-06
86	0.02537	4.72E-04	1.2E-05	1.05E-03	1.25E-08	6.00E-02	1.57E-01	1.18E-10	1.0E+06	1.2E-04	5	2.40E-06
87	0.02274	4.72E-04	1.1E-05	1.05E-03	1.12E-08	6.00E-02	1.57E-01	1.06E-10	1.0E+06	1.1E-04	5	2.15E-06
88	0.02064	4.72E-04	9.8E-06	1.05E-03	1.02E-08	6.00E-02	1.57E-01	9.61E-11	1.0E+06	9.6E-05	5	1.95E-06
89	0.02128	4.72E-04	1.0E-05	1.05E-03	1.05E-08	6.00E-02	1.57E-01	9.91E-11	1.0E+06	9.9E-05	5	2.01E-06
90	0.02519	4.72E-04	1.2E-05	1.05E-03	1.24E-08	6.00E-02	1.57E-01	1.17E-10	1.0E+06	1.2E-04	5	2.38E-06
91	0.0303	4.72E-04	1.4E-05	1.05E-03	1.50E-08	6.00E-02	1.57E-01	1.41E-10	1.0E+06	1.4E-04	5	2.86E-06
92	0.03704	4.72E-04	1.8E-05	1.05E-03	1.83E-08	6.00E-02	1.57E-01	1.72E-10	1.0E+06	1.7E-04	5	3.50E-06
93	0.04587	4.72E-04	2.2E-05	1.05E-03	2.27E-08	6.00E-02	1.57E-01	2.14E-10	1.0E+06	2.1E-04	5	4.33E-06
94	0.05698	4.72E-04	2.7E-05	1.05E-03	2.81E-08	6.00E-02	1.57E-01	2.65E-10	1.0E+06	2.7E-04	5	5.38E-06
95	0.06947	4.72E-04	3.3E-05	1.05E-03	3.43E-08	6.00E-02	1.57E-01	3.23E-10	1.0E+06	3.2E-04	5	6.56E-06
96	0.0817	4.72E-04	3.9E-05	1.05E-03	4.03E-08	6.00E-02	1.57E-01	3.80E-10	1.0E+06	3.8E-04	5	7.72E-06
97	0.0918	4.72E-04	4.3E-05	1.05E-03	4.53E-08	6.00E-02	1.57E-01	4.27E-10	1.0E+06	4.3E-04	5	8.67E-06
98	0.09865	4.72E-04	4.7E-05	1.05E-03	4.87E-08	6.00E-02	1.57E-01	4.59E-10	1.0E+06	4.6E-04	5	9.32E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
99	0.10172	4.72E-04	4.8E-05	1.05E-03	5.02E-08	6.00E-02	1.57E-01	4.74E-10	1.0E+06	4.7E-04	5	9.61E-06
100	0.10055	4.72E-04	4.8E-05	1.05E-03	4.97E-08	6.00E-02	1.57E-01	4.68E-10	1.0E+06	4.7E-04	5	9.50E-06
101	0.09497	4.72E-04	4.5E-05	1.05E-03	4.69E-08	6.00E-02	1.57E-01	4.42E-10	1.0E+06	4.4E-04	5	8.97E-06
102	0.08541	4.72E-04	4.0E-05	1.05E-03	4.22E-08	6.00E-02	1.57E-01	3.98E-10	1.0E+06	4.0E-04	5	8.07E-06
103	0.07338	4.72E-04	3.5E-05	1.05E-03	3.62E-08	6.00E-02	1.57E-01	3.42E-10	1.0E+06	3.4E-04	5	6.93E-06
104	0.06125	4.72E-04	2.9E-05	1.05E-03	3.02E-08	6.00E-02	1.57E-01	2.85E-10	1.0E+06	2.9E-04	5	5.79E-06
105	0.05078	4.72E-04	2.4E-05	1.05E-03	2.51E-08	6.00E-02	1.57E-01	2.36E-10	1.0E+06	2.4E-04	5	4.80E-06
106	0.04261	4.72E-04	2.0E-05	1.05E-03	2.10E-08	6.00E-02	1.57E-01	1.98E-10	1.0E+06	2.0E-04	5	4.03E-06
107	0.03645	4.72E-04	1.7E-05	1.05E-03	1.80E-08	6.00E-02	1.57E-01	1.70E-10	1.0E+06	1.7E-04	5	3.44E-06
108	0.03179	4.72E-04	1.5E-05	1.05E-03	1.57E-08	6.00E-02	1.57E-01	1.48E-10	1.0E+06	1.5E-04	5	3.00E-06
109	0.02818	4.72E-04	1.3E-05	1.05E-03	1.39E-08	6.00E-02	1.57E-01	1.31E-10	1.0E+06	1.3E-04	5	2.66E-06
110	0.02531	4.72E-04	1.2E-05	1.05E-03	1.25E-08	6.00E-02	1.57E-01	1.18E-10	1.0E+06	1.2E-04	5	2.39E-06
111	0.02308	4.72E-04	1.1E-05	1.05E-03	1.14E-08	6.00E-02	1.57E-01	1.07E-10	1.0E+06	1.1E-04	5	2.18E-06
112	0.02811	4.72E-04	1.3E-05	1.05E-03	1.39E-08	6.00E-02	1.57E-01	1.31E-10	1.0E+06	1.3E-04	5	2.66E-06
113	0.03493	4.72E-04	1.7E-05	1.05E-03	1.73E-08	6.00E-02	1.57E-01	1.63E-10	1.0E+06	1.6E-04	5	3.30E-06
114	0.0449	4.72E-04	2.1E-05	1.05E-03	2.22E-08	6.00E-02	1.57E-01	2.09E-10	1.0E+06	2.1E-04	5	4.24E-06
115	0.05977	4.72E-04	2.8E-05	1.05E-03	2.95E-08	6.00E-02	1.57E-01	2.78E-10	1.0E+06	2.8E-04	5	5.65E-06
116	0.08075	4.72E-04	3.8E-05	1.05E-03	3.99E-08	6.00E-02	1.57E-01	3.76E-10	1.0E+06	3.8E-04	5	7.63E-06
117	0.10687	4.72E-04	5.0E-05	1.05E-03	5.28E-08	6.00E-02	1.57E-01	4.98E-10	1.0E+06	5.0E-04	5	1.01E-05
118	0.13317	4.72E-04	6.3E-05	1.05E-03	6.58E-08	6.00E-02	1.57E-01	6.20E-10	1.0E+06	6.2E-04	5	1.26E-05
119	0.15411	4.72E-04	7.3E-05	1.05E-03	7.61E-08	6.00E-02	1.57E-01	7.18E-10	1.0E+06	7.2E-04	5	1.46E-05
120	0.16804	4.72E-04	7.9E-05	1.05E-03	8.30E-08	6.00E-02	1.57E-01	7.82E-10	1.0E+06	7.8E-04	5	1.59E-05
121	0.17533	4.72E-04	8.3E-05	1.05E-03	8.66E-08	6.00E-02	1.57E-01	8.16E-10	1.0E+06	8.2E-04	5	1.66E-05
122	0.17468	4.72E-04	8.3E-05	1.05E-03	8.63E-08	6.00E-02	1.57E-01	8.13E-10	1.0E+06	8.1E-04	5	1.65E-05
123	0.16438	4.72E-04	7.8E-05	1.05E-03	8.12E-08	6.00E-02	1.57E-01	7.65E-10	1.0E+06	7.7E-04	5	1.55E-05
124	0.14421	4.72E-04	6.8E-05	1.05E-03	7.12E-08	6.00E-02	1.57E-01	6.71E-10	1.0E+06	6.7E-04	5	1.36E-05
125	0.1176	4.72E-04	5.6E-05	1.05E-03	5.81E-08	6.00E-02	1.57E-01	5.48E-10	1.0E+06	5.5E-04	5	1.11E-05
126	0.09217	4.72E-04	4.4E-05	1.05E-03	4.55E-08	6.00E-02	1.57E-01	4.29E-10	1.0E+06	4.3E-04	5	8.71E-06
127	0.07265	4.72E-04	3.4E-05	1.05E-03	3.59E-08	6.00E-02	1.57E-01	3.38E-10	1.0E+06	3.4E-04	5	6.87E-06
128	0.05894	4.72E-04	2.8E-05	1.05E-03	2.91E-08	6.00E-02	1.57E-01	2.74E-10	1.0E+06	2.7E-04	5	5.57E-06
129	0.04926	4.72E-04	2.3E-05	1.05E-03	2.43E-08	6.00E-02	1.57E-01	2.29E-10	1.0E+06	2.3E-04	5	4.65E-06
130	0.04212	4.72E-04	2.0E-05	1.05E-03	2.08E-08	6.00E-02	1.57E-01	1.96E-10	1.0E+06	2.0E-04	5	3.98E-06
131	0.03667	4.72E-04	1.7E-05	1.05E-03	1.81E-08	6.00E-02	1.57E-01	1.71E-10	1.0E+06	1.7E-04	5	3.47E-06
132	0.03235	4.72E-04	1.5E-05	1.05E-03	1.60E-08	6.00E-02	1.57E-01	1.51E-10	1.0E+06	1.5E-04	5	3.06E-06
133	0.02458	4.72E-04	1.2E-05	1.05E-03	1.21E-08	6.00E-02	1.57E-01	1.14E-10	1.0E+06	1.1E-04	5	2.32E-06
134	0.03059	4.72E-04	1.4E-05	1.05E-03	1.51E-08	6.00E-02	1.57E-01	1.42E-10	1.0E+06	1.4E-04	5	2.89E-06
135	0.03959	4.72E-04	1.9E-05	1.05E-03	1.96E-08	6.00E-02	1.57E-01	1.84E-10	1.0E+06	1.8E-04	5	3.74E-06
136	0.05435	4.72E-04	2.6E-05	1.05E-03	2.68E-08	6.00E-02	1.57E-01	2.53E-10	1.0E+06	2.5E-04	5	5.14E-06
137	0.07955	4.72E-04	3.8E-05	1.05E-03	3.93E-08	6.00E-02	1.57E-01	3.70E-10	1.0E+06	3.7E-04	5	7.52E-06
138	0.12284	4.72E-04	5.8E-05	1.05E-03	6.07E-08	6.00E-02	1.57E-01	5.72E-10	1.0E+06	5.7E-04	5	1.16E-05
139	0.19239	4.72E-04	9.1E-05	1.05E-03	9.50E-08	6.00E-02	1.57E-01	8.96E-10	1.0E+06	9.0E-04	5	1.82E-05
140	0.26503	4.72E-04	1.3E-04	1.05E-03	1.31E-07	6.00E-02	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.50E-05
141	0.31576	4.72E-04	1.5E-04	1.05E-03	1.56E-07	6.00E-02	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	2.98E-05
142	0.34621	4.72E-04	1.6E-04	1.05E-03	1.71E-07	6.00E-02	1.57E-01	1.61E-09	1.0E+06	1.6E-03	5	3.27E-05
143	0.3703	4.72E-04	1.7E-04	1.05E-03	1.83E-07	6.00E-02	1.57E-01	1.72E-09	1.0E+06	1.7E-03	5	3.50E-05
144	0.3737	4.72E-04	1.8E-04	1.05E-03	1.85E-07	6.00E-02	1.57E-01	1.74E-09	1.0E+06	1.7E-03	5	3.53E-05
145	0.35451	4.72E-04	1.7E-04	1.05E-03	1.75E-07	6.00E-02	1.57E-01	1.65E-09	1.0E+06	1.7E-03	5	3.35E-05
146	0.30384	4.72E-04	1.4E-04	1.05E-03	1.50E-07	6.00E-02	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	2.87E-05
147	0.22471	4.72E-04	1.1E-04	1.05E-03	1.11E-07	6.00E-02	1.57E-01	1.05E-09	1.0E+06	1.0E-03	5	2.12E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
148	0.15714	4.72E-04	7.4E-05	1.05E-03	7.76E-08	6.00E-02	1.57E-01	7.32E-10	1.0E+06	7.3E-04	5	1.48E-05
149	0.11508	4.72E-04	5.4E-05	1.05E-03	5.68E-08	6.00E-02	1.57E-01	5.36E-10	1.0E+06	5.4E-04	5	1.09E-05
150	0.089	4.72E-04	4.2E-05	1.05E-03	4.40E-08	6.00E-02	1.57E-01	4.14E-10	1.0E+06	4.1E-04	5	8.41E-06
151	0.07149	4.72E-04	3.4E-05	1.05E-03	3.53E-08	6.00E-02	1.57E-01	3.33E-10	1.0E+06	3.3E-04	5	6.76E-06
152	0.05903	4.72E-04	2.8E-05	1.05E-03	2.92E-08	6.00E-02	1.57E-01	2.75E-10	1.0E+06	2.7E-04	5	5.58E-06
153	0.04981	4.72E-04	2.4E-05	1.05E-03	2.46E-08	6.00E-02	1.57E-01	2.32E-10	1.0E+06	2.3E-04	5	4.71E-06
154	0.04276	4.72E-04	2.0E-05	1.05E-03	2.11E-08	6.00E-02	1.57E-01	1.99E-10	1.0E+06	2.0E-04	5	4.04E-06
155	0.02548	4.72E-04	1.2E-05	1.05E-03	1.26E-08	6.00E-02	1.57E-01	1.19E-10	1.0E+06	1.2E-04	5	2.41E-06
156	0.03233	4.72E-04	1.5E-05	1.05E-03	1.60E-08	6.00E-02	1.57E-01	1.51E-10	1.0E+06	1.5E-04	5	3.06E-06
157	0.04354	4.72E-04	2.1E-05	1.05E-03	2.15E-08	6.00E-02	1.57E-01	2.03E-10	1.0E+06	2.0E-04	5	4.11E-06
158	0.0626	4.72E-04	3.0E-05	1.05E-03	3.09E-08	6.00E-02	1.57E-01	2.91E-10	1.0E+06	2.9E-04	5	5.92E-06
159	0.10146	4.72E-04	4.8E-05	1.05E-03	5.01E-08	6.00E-02	1.57E-01	4.72E-10	1.0E+06	4.7E-04	5	9.59E-06
160	0.19626	4.72E-04	9.3E-05	1.05E-03	9.69E-08	6.00E-02	1.57E-01	9.14E-10	1.0E+06	9.1E-04	5	1.85E-05
161	0.52811	4.72E-04	2.5E-04	1.05E-03	2.61E-07	6.00E-02	1.57E-01	2.46E-09	1.0E+06	2.5E-03	5	4.99E-05
162	0.95064	4.72E-04	4.5E-04	1.05E-03	4.69E-07	6.00E-02	1.57E-01	4.43E-09	1.0E+06	4.4E-03	5	8.98E-05
163	1.14754	4.72E-04	5.4E-04	1.05E-03	5.67E-07	6.00E-02	1.57E-01	5.34E-09	1.0E+06	5.3E-03	5	1.08E-04
164	1.14449	4.72E-04	5.4E-04	1.05E-03	5.65E-07	6.00E-02	1.57E-01	5.33E-09	1.0E+06	5.3E-03	5	1.08E-04
165	1.38235	4.72E-04	6.5E-04	1.05E-03	6.83E-07	6.00E-02	1.57E-01	6.44E-09	1.0E+06	6.4E-03	5	1.31E-04
166	1.3436	4.72E-04	6.3E-04	1.05E-03	6.64E-07	6.00E-02	1.57E-01	6.26E-09	1.0E+06	6.3E-03	5	1.27E-04
167	1.32059	4.72E-04	6.2E-04	1.05E-03	6.52E-07	6.00E-02	1.57E-01	6.15E-09	1.0E+06	6.1E-03	5	1.25E-04
168	1.14738	4.72E-04	5.4E-04	1.05E-03	5.67E-07	6.00E-02	1.57E-01	5.34E-09	1.0E+06	5.3E-03	5	1.08E-04
169	0.63435	4.72E-04	3.0E-04	1.05E-03	3.13E-07	6.00E-02	1.57E-01	2.95E-09	1.0E+06	3.0E-03	5	5.99E-05
170	0.3222	4.72E-04	1.5E-04	1.05E-03	1.59E-07	6.00E-02	1.57E-01	1.50E-09	1.0E+06	1.5E-03	5	3.04E-05
171	0.20423	4.72E-04	9.6E-05	1.05E-03	1.01E-07	6.00E-02	1.57E-01	9.51E-10	1.0E+06	9.5E-04	5	1.93E-05
172	0.14381	4.72E-04	6.8E-05	1.05E-03	7.10E-08	6.00E-02	1.57E-01	6.70E-10	1.0E+06	6.7E-04	5	1.36E-05
173	0.1081	4.72E-04	5.1E-05	1.05E-03	5.34E-08	6.00E-02	1.57E-01	5.03E-10	1.0E+06	5.0E-04	5	1.02E-05
174	0.0848	4.72E-04	4.0E-05	1.05E-03	4.19E-08	6.00E-02	1.57E-01	3.95E-10	1.0E+06	3.9E-04	5	8.01E-06
175	0.06864	4.72E-04	3.2E-05	1.05E-03	3.39E-08	6.00E-02	1.57E-01	3.20E-10	1.0E+06	3.2E-04	5	6.49E-06
176	0.05698	4.72E-04	2.7E-05	1.05E-03	2.81E-08	6.00E-02	1.57E-01	2.65E-10	1.0E+06	2.7E-04	5	5.38E-06
177	0.02626	4.72E-04	1.2E-05	1.05E-03	1.30E-08	6.00E-02	1.57E-01	1.22E-10	1.0E+06	1.2E-04	5	2.48E-06
178	0.03372	4.72E-04	1.6E-05	1.05E-03	1.67E-08	6.00E-02	1.57E-01	1.57E-10	1.0E+06	1.6E-04	5	3.19E-06
179	0.04619	4.72E-04	2.2E-05	1.05E-03	2.28E-08	6.00E-02	1.57E-01	2.15E-10	1.0E+06	2.2E-04	5	4.36E-06
180	0.06932	4.72E-04	3.3E-05	1.05E-03	3.42E-08	6.00E-02	1.57E-01	3.23E-10	1.0E+06	3.2E-04	5	6.55E-06
181	0.12019	4.72E-04	5.7E-05	1.05E-03	5.94E-08	6.00E-02	1.57E-01	5.60E-10	1.0E+06	5.6E-04	5	1.14E-05
182	0.27703	4.72E-04	1.3E-04	1.05E-03	1.37E-07	6.00E-02	1.57E-01	1.29E-09	1.0E+06	1.3E-03	5	2.62E-05
183	1.76771	4.72E-04	8.4E-04	1.05E-03	8.73E-07	6.00E-02	1.57E-01	8.23E-09	1.0E+06	8.2E-03	5	1.67E-04
184	2.02166	4.72E-04	9.6E-04	1.05E-03	9.98E-07	6.00E-02	1.57E-01	9.41E-09	1.0E+06	9.4E-03	5	1.91E-04
185	0.64685	4.72E-04	3.1E-04	1.05E-03	3.19E-07	6.00E-02	1.57E-01	3.01E-09	1.0E+06	3.0E-03	5	6.11E-05
186	0.34727	4.72E-04	1.6E-04	1.05E-03	1.71E-07	6.00E-02	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5	3.28E-05
187	0.22322	4.72E-04	1.1E-04	1.05E-03	1.10E-07	6.00E-02	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.11E-05
188	0.15755	4.72E-04	7.4E-05	1.05E-03	7.78E-08	6.00E-02	1.57E-01	7.34E-10	1.0E+06	7.3E-04	5	1.49E-05
189	0.11785	4.72E-04	5.6E-05	1.05E-03	5.82E-08	6.00E-02	1.57E-01	5.49E-10	1.0E+06	5.5E-04	5	1.11E-05
190	0.09196	4.72E-04	4.3E-05	1.05E-03	4.54E-08	6.00E-02	1.57E-01	4.28E-10	1.0E+06	4.3E-04	5	8.69E-06
191	0.07411	4.72E-04	3.5E-05	1.05E-03	3.66E-08	6.00E-02	1.57E-01	3.45E-10	1.0E+06	3.5E-04	5	7.00E-06
192	0.02656	4.72E-04	1.3E-05	1.05E-03	1.31E-08	6.00E-02	1.57E-01	1.24E-10	1.0E+06	1.2E-04	5	2.51E-06
193	0.03404	4.72E-04	1.6E-05	1.05E-03	1.68E-08	6.00E-02	1.57E-01	1.59E-10	1.0E+06	1.6E-04	5	3.22E-06
194	0.04653	4.72E-04	2.2E-05	1.05E-03	2.30E-08	6.00E-02	1.57E-01	2.17E-10	1.0E+06	2.2E-04	5	4.40E-06
195	0.06954	4.72E-04	3.3E-05	1.05E-03	3.43E-08	6.00E-02	1.57E-01	3.24E-10	1.0E+06	3.2E-04	5	6.57E-06
196	0.12065	4.72E-04	5.7E-05	1.05E-03	5.96E-08	6.00E-02	1.57E-01	5.62E-10	1.0E+06	5.6E-04	5	1.14E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
197	0.27422	4.72E-04	1.3E-04	1.05E-03	1.35E-07	6.00E-02	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5	2.59E-05
198	1.76698	4.72E-04	8.3E-04	1.05E-03	8.73E-07	6.00E-02	1.57E-01	8.23E-09	1.0E+06	8.2E-03	5	1.67E-04
199	2.25993	4.72E-04	1.1E-03	1.05E-03	1.12E-06	6.00E-02	1.57E-01	1.05E-08	1.0E+06	1.1E-02	5	2.14E-04
200	1.86874	4.72E-04	8.8E-04	1.05E-03	9.23E-07	6.00E-02	1.57E-01	8.70E-09	1.0E+06	8.7E-03	5	1.77E-04
201	0.819	4.72E-04	3.9E-04	1.05E-03	4.04E-07	6.00E-02	1.57E-01	3.81E-09	1.0E+06	3.8E-03	5	7.74E-05
202	0.46139	4.72E-04	2.2E-04	1.05E-03	2.28E-07	6.00E-02	1.57E-01	2.15E-09	1.0E+06	2.1E-03	5	4.36E-05
203	0.2942	4.72E-04	1.4E-04	1.05E-03	1.45E-07	6.00E-02	1.57E-01	1.37E-09	1.0E+06	1.4E-03	5	2.78E-05
204	0.20407	4.72E-04	9.6E-05	1.05E-03	1.01E-07	6.00E-02	1.57E-01	9.50E-10	1.0E+06	9.5E-04	5	1.93E-05
205	0.14993	4.72E-04	7.1E-05	1.05E-03	7.40E-08	6.00E-02	1.57E-01	6.98E-10	1.0E+06	7.0E-04	5	1.42E-05
206	0.115	4.72E-04	5.4E-05	1.05E-03	5.68E-08	6.00E-02	1.57E-01	5.35E-10	1.0E+06	5.4E-04	5	1.09E-05
207	0.09116	4.72E-04	4.3E-05	1.05E-03	4.50E-08	6.00E-02	1.57E-01	4.24E-10	1.0E+06	4.2E-04	5	8.61E-06
208	0.02649	4.72E-04	1.3E-05	1.05E-03	1.31E-08	6.00E-02	1.57E-01	1.23E-10	1.0E+06	1.2E-04	5	2.50E-06
209	0.03366	4.72E-04	1.6E-05	1.05E-03	1.66E-08	6.00E-02	1.57E-01	1.57E-10	1.0E+06	1.6E-04	5	3.18E-06
210	0.04492	4.72E-04	2.1E-05	1.05E-03	2.22E-08	6.00E-02	1.57E-01	2.09E-10	1.0E+06	2.1E-04	5	4.24E-06
211	0.06498	4.72E-04	3.1E-05	1.05E-03	3.21E-08	6.00E-02	1.57E-01	3.03E-10	1.0E+06	3.0E-04	5	6.14E-06
212	0.10392	4.72E-04	4.9E-05	1.05E-03	5.13E-08	6.00E-02	1.57E-01	4.84E-10	1.0E+06	4.8E-04	5	9.82E-06
213	0.19656	4.72E-04	9.3E-05	1.05E-03	9.71E-08	6.00E-02	1.57E-01	9.15E-10	1.0E+06	9.2E-04	5	1.86E-05
214	0.4953	4.72E-04	2.3E-04	1.05E-03	2.45E-07	6.00E-02	1.57E-01	2.31E-09	1.0E+06	2.3E-03	5	4.68E-05
215	1.05755	4.72E-04	5.0E-04	1.05E-03	5.22E-07	6.00E-02	1.57E-01	4.92E-09	1.0E+06	4.9E-03	5	9.99E-05
216	1.23806	4.72E-04	5.8E-04	1.05E-03	6.11E-07	6.00E-02	1.57E-01	5.76E-09	1.0E+06	5.8E-03	5	1.17E-04
217	1.06867	4.72E-04	5.0E-04	1.05E-03	5.28E-07	6.00E-02	1.57E-01	4.98E-09	1.0E+06	5.0E-03	5	1.01E-04
218	2.8323	4.72E-04	1.3E-03	1.05E-03	1.40E-06	6.00E-02	1.57E-01	1.32E-08	1.0E+06	1.3E-02	5	2.68E-04
219	1.2335	4.72E-04	5.8E-04	1.05E-03	6.09E-07	6.00E-02	1.57E-01	5.74E-09	1.0E+06	5.7E-03	5	1.17E-04
220	0.72626	4.72E-04	3.4E-04	1.05E-03	3.59E-07	6.00E-02	1.57E-01	3.38E-09	1.0E+06	3.4E-03	5	6.86E-05
221	0.46623	4.72E-04	2.2E-04	1.05E-03	2.30E-07	6.00E-02	1.57E-01	2.17E-09	1.0E+06	2.2E-03	5	4.41E-05
222	0.31748	4.72E-04	1.5E-04	1.05E-03	1.57E-07	6.00E-02	1.57E-01	1.48E-09	1.0E+06	1.5E-03	5	3.00E-05
223	0.22738	4.72E-04	1.1E-04	1.05E-03	1.12E-07	6.00E-02	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	2.15E-05
224	0.16979	4.72E-04	8.0E-05	1.05E-03	8.39E-08	6.00E-02	1.57E-01	7.91E-10	1.0E+06	7.9E-04	5	1.60E-05
225	0.13119	4.72E-04	6.2E-05	1.05E-03	6.48E-08	6.00E-02	1.57E-01	6.11E-10	1.0E+06	6.1E-04	5	1.24E-05
226	0.10421	4.72E-04	4.9E-05	1.05E-03	5.15E-08	6.00E-02	1.57E-01	4.85E-10	1.0E+06	4.9E-04	5	9.85E-06
227	0.02601	4.72E-04	1.2E-05	1.05E-03	1.28E-08	6.00E-02	1.57E-01	1.21E-10	1.0E+06	1.2E-04	5	2.46E-06
228	0.03247	4.72E-04	1.5E-05	1.05E-03	1.60E-08	6.00E-02	1.57E-01	1.51E-10	1.0E+06	1.5E-04	5	3.07E-06
229	0.04222	4.72E-04	2.0E-05	1.05E-03	2.09E-08	6.00E-02	1.57E-01	1.97E-10	1.0E+06	2.0E-04	5	3.99E-06
230	0.05776	4.72E-04	2.7E-05	1.05E-03	2.85E-08	6.00E-02	1.57E-01	2.69E-10	1.0E+06	2.7E-04	5	5.46E-06
231	0.08368	4.72E-04	4.0E-05	1.05E-03	4.13E-08	6.00E-02	1.57E-01	3.90E-10	1.0E+06	3.9E-04	5	7.91E-06
232	0.12764	4.72E-04	6.0E-05	1.05E-03	6.30E-08	6.00E-02	1.57E-01	5.94E-10	1.0E+06	5.9E-04	5	1.21E-05
233	0.20256	4.72E-04	9.6E-05	1.05E-03	1.00E-07	6.00E-02	1.57E-01	9.43E-10	1.0E+06	9.4E-04	5	1.91E-05
234	0.30255	4.72E-04	1.4E-04	1.05E-03	1.49E-07	6.00E-02	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	2.86E-05
235	0.40492	4.72E-04	1.9E-04	1.05E-03	2.00E-07	6.00E-02	1.57E-01	1.89E-09	1.0E+06	1.9E-03	5	3.83E-05
236	0.50737	4.72E-04	2.4E-04	1.05E-03	2.51E-07	6.00E-02	1.57E-01	2.36E-09	1.0E+06	2.4E-03	5	4.79E-05
237	0.73441	4.72E-04	3.5E-04	1.05E-03	3.63E-07	6.00E-02	1.57E-01	3.42E-09	1.0E+06	3.4E-03	5	6.94E-05
238	1.15869	4.72E-04	5.5E-04	1.05E-03	5.72E-07	6.00E-02	1.57E-01	5.40E-09	1.0E+06	5.4E-03	5	1.09E-04
239	1.33024	4.72E-04	6.3E-04	1.05E-03	6.57E-07	6.00E-02	1.57E-01	6.19E-09	1.0E+06	6.2E-03	5	1.26E-04
240	1.0895	4.72E-04	5.1E-04	1.05E-03	5.38E-07	6.00E-02	1.57E-01	5.07E-09	1.0E+06	5.1E-03	5	1.03E-04
241	0.75955	4.72E-04	3.6E-04	1.05E-03	3.75E-07	6.00E-02	1.57E-01	3.54E-09	1.0E+06	3.5E-03	5	7.18E-05
242	0.53889	4.72E-04	2.5E-04	1.05E-03	2.66E-07	6.00E-02	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5	5.09E-05
243	0.39177	4.72E-04	1.9E-04	1.05E-03	1.93E-07	6.00E-02	1.57E-01	1.82E-09	1.0E+06	1.8E-03	5	3.70E-05
244	0.29118	4.72E-04	1.4E-04	1.05E-03	1.44E-07	6.00E-02	1.57E-01	1.36E-09	1.0E+06	1.4E-03	5	2.75E-05
245	0.22102	4.72E-04	1.0E-04	1.05E-03	1.09E-07	6.00E-02	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	2.09E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
246	0.17151	4.72E-04	8.1E-05	1.05E-03	8.47E-08	6.00E-02	1.57E-01	7.99E-10	1.0E+06	8.0E-04	5	1.62E-05
247	0.13599	4.72E-04	6.4E-05	1.05E-03	6.72E-08	6.00E-02	1.57E-01	6.33E-10	1.0E+06	6.3E-04	5	1.29E-05
248	0.10994	4.72E-04	5.2E-05	1.05E-03	5.43E-08	6.00E-02	1.57E-01	5.12E-10	1.0E+06	5.1E-04	5	1.04E-05
249	0.02517	4.72E-04	1.2E-05	1.05E-03	1.24E-08	6.00E-02	1.57E-01	1.17E-10	1.0E+06	1.2E-04	5	2.38E-06
250	0.03073	4.72E-04	1.5E-05	1.05E-03	1.52E-08	6.00E-02	1.57E-01	1.43E-10	1.0E+06	1.4E-04	5	2.90E-06
251	0.03854	4.72E-04	1.8E-05	1.05E-03	1.90E-08	6.00E-02	1.57E-01	1.79E-10	1.0E+06	1.8E-04	5	3.64E-06
252	0.04987	4.72E-04	2.4E-05	1.05E-03	2.46E-08	6.00E-02	1.57E-01	2.32E-10	1.0E+06	2.3E-04	5	4.71E-06
253	0.06608	4.72E-04	3.1E-05	1.05E-03	3.26E-08	6.00E-02	1.57E-01	3.08E-10	1.0E+06	3.1E-04	5	6.24E-06
254	0.08949	4.72E-04	4.2E-05	1.05E-03	4.42E-08	6.00E-02	1.57E-01	4.17E-10	1.0E+06	4.2E-04	5	8.46E-06
255	0.12075	4.72E-04	5.7E-05	1.05E-03	5.96E-08	6.00E-02	1.57E-01	5.62E-10	1.0E+06	5.6E-04	5	1.14E-05
256	0.16154	4.72E-04	7.6E-05	1.05E-03	7.98E-08	6.00E-02	1.57E-01	7.52E-10	1.0E+06	7.5E-04	5	1.53E-05
257	0.20802	4.72E-04	9.8E-05	1.05E-03	1.03E-07	6.00E-02	1.57E-01	9.69E-10	1.0E+06	9.7E-04	5	1.97E-05
258	0.2628	4.72E-04	1.2E-04	1.05E-03	1.30E-07	6.00E-02	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5	2.48E-05
259	0.33174	4.72E-04	1.6E-04	1.05E-03	1.64E-07	6.00E-02	1.57E-01	1.54E-09	1.0E+06	1.5E-03	5	3.13E-05
260	0.40804	4.72E-04	1.9E-04	1.05E-03	2.02E-07	6.00E-02	1.57E-01	1.90E-09	1.0E+06	1.9E-03	5	3.86E-05
261	0.46468	4.72E-04	2.2E-04	1.05E-03	2.29E-07	6.00E-02	1.57E-01	2.16E-09	1.0E+06	2.2E-03	5	4.39E-05
262	0.46625	4.72E-04	2.2E-04	1.05E-03	2.30E-07	6.00E-02	1.57E-01	2.17E-09	1.0E+06	2.2E-03	5	4.41E-05
263	0.42118	4.72E-04	2.0E-04	1.05E-03	2.08E-07	6.00E-02	1.57E-01	1.96E-09	1.0E+06	2.0E-03	5	3.98E-05
264	0.3561	4.72E-04	1.7E-04	1.05E-03	1.76E-07	6.00E-02	1.57E-01	1.66E-09	1.0E+06	1.7E-03	5	3.37E-05
265	0.29297	4.72E-04	1.4E-04	1.05E-03	1.45E-07	6.00E-02	1.57E-01	1.36E-09	1.0E+06	1.4E-03	5	2.77E-05
266	0.23821	4.72E-04	1.1E-04	1.05E-03	1.18E-07	6.00E-02	1.57E-01	1.11E-09	1.0E+06	1.1E-03	5	2.25E-05
267	0.19314	4.72E-04	9.1E-05	1.05E-03	9.54E-08	6.00E-02	1.57E-01	8.99E-10	1.0E+06	9.0E-04	5	1.83E-05
268	0.1576	4.72E-04	7.4E-05	1.05E-03	7.78E-08	6.00E-02	1.57E-01	7.34E-10	1.0E+06	7.3E-04	5	1.49E-05
269	0.12976	4.72E-04	6.1E-05	1.05E-03	6.41E-08	6.00E-02	1.57E-01	6.04E-10	1.0E+06	6.0E-04	5	1.23E-05
270	0.1079	4.72E-04	5.1E-05	1.05E-03	5.33E-08	6.00E-02	1.57E-01	5.02E-10	1.0E+06	5.0E-04	5	1.02E-05
271	0.024	4.72E-04	1.1E-05	1.05E-03	1.19E-08	6.00E-02	1.57E-01	1.12E-10	1.0E+06	1.1E-04	5	2.27E-06
272	0.02857	4.72E-04	1.3E-05	1.05E-03	1.41E-08	6.00E-02	1.57E-01	1.33E-10	1.0E+06	1.3E-04	5	2.70E-06
273	0.03462	4.72E-04	1.6E-05	1.05E-03	1.71E-08	6.00E-02	1.57E-01	1.61E-10	1.0E+06	1.6E-04	5	3.27E-06
274	0.04257	4.72E-04	2.0E-05	1.05E-03	2.10E-08	6.00E-02	1.57E-01	1.98E-10	1.0E+06	2.0E-04	5	4.02E-06
275	0.05294	4.72E-04	2.5E-05	1.05E-03	2.61E-08	6.00E-02	1.57E-01	2.47E-10	1.0E+06	2.5E-04	5	5.00E-06
276	0.06642	4.72E-04	3.1E-05	1.05E-03	3.28E-08	6.00E-02	1.57E-01	3.09E-10	1.0E+06	3.1E-04	5	6.28E-06
277	0.08343	4.72E-04	3.9E-05	1.05E-03	4.12E-08	6.00E-02	1.57E-01	3.88E-10	1.0E+06	3.9E-04	5	7.88E-06
278	0.10395	4.72E-04	4.9E-05	1.05E-03	5.13E-08	6.00E-02	1.57E-01	4.84E-10	1.0E+06	4.8E-04	5	9.82E-06
279	0.12815	4.72E-04	6.1E-05	1.05E-03	6.33E-08	6.00E-02	1.57E-01	5.97E-10	1.0E+06	6.0E-04	5	1.21E-05
280	0.15531	4.72E-04	7.3E-05	1.05E-03	7.67E-08	6.00E-02	1.57E-01	7.23E-10	1.0E+06	7.2E-04	5	1.47E-05
281	0.18524	4.72E-04	8.8E-05	1.05E-03	9.15E-08	6.00E-02	1.57E-01	8.63E-10	1.0E+06	8.6E-04	5	1.75E-05
282	0.21458	4.72E-04	1.0E-04	1.05E-03	1.06E-07	6.00E-02	1.57E-01	9.99E-10	1.0E+06	1.0E-03	5	2.03E-05
283	0.23683	4.72E-04	1.1E-04	1.05E-03	1.17E-07	6.00E-02	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5	2.24E-05
284	0.24438	4.72E-04	1.2E-04	1.05E-03	1.21E-07	6.00E-02	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.31E-05
285	0.24228	4.72E-04	1.1E-04	1.05E-03	1.20E-07	6.00E-02	1.57E-01	1.13E-09	1.0E+06	1.1E-03	5	2.29E-05
286	0.2275	4.72E-04	1.1E-04	1.05E-03	1.12E-07	6.00E-02	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	2.15E-05
287	0.20535	4.72E-04	9.7E-05	1.05E-03	1.01E-07	6.00E-02	1.57E-01	9.56E-10	1.0E+06	9.6E-04	5	1.94E-05
288	0.18088	4.72E-04	8.5E-05	1.05E-03	8.93E-08	6.00E-02	1.57E-01	8.42E-10	1.0E+06	8.4E-04	5	1.71E-05
289	0.15656	4.72E-04	7.4E-05	1.05E-03	7.73E-08	6.00E-02	1.57E-01	7.29E-10	1.0E+06	7.3E-04	5	1.48E-05
290	0.13505	4.72E-04	6.4E-05	1.05E-03	6.67E-08	6.00E-02	1.57E-01	6.29E-10	1.0E+06	6.3E-04	5	1.28E-05
291	0.11583	4.72E-04	5.5E-05	1.05E-03	5.72E-08	6.00E-02	1.57E-01	5.39E-10	1.0E+06	5.4E-04	5	1.09E-05
292	0.09962	4.72E-04	4.7E-05	1.05E-03	4.92E-08	6.00E-02	1.57E-01	4.64E-10	1.0E+06	4.6E-04	5	9.41E-06
293	0.02265	4.72E-04	1.1E-05	1.05E-03	1.12E-08	6.00E-02	1.57E-01	1.05E-10	1.0E+06	1.1E-04	5	2.14E-06
294	0.02634	4.72E-04	1.2E-05	1.05E-03	1.30E-08	6.00E-02	1.57E-01	1.23E-10	1.0E+06	1.2E-04	5	2.49E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
295	0.03091	4.72E-04	1.5E-05	1.05E-03	1.53E-08	6.00E-02	1.57E-01	1.44E-10	1.0E+06	1.4E-04	5	2.92E-06
296	0.03651	4.72E-04	1.7E-05	1.05E-03	1.80E-08	6.00E-02	1.57E-01	1.70E-10	1.0E+06	1.7E-04	5	3.45E-06
297	0.04345	4.72E-04	2.1E-05	1.05E-03	2.15E-08	6.00E-02	1.57E-01	2.02E-10	1.0E+06	2.0E-04	5	4.11E-06
298	0.05188	4.72E-04	2.5E-05	1.05E-03	2.56E-08	6.00E-02	1.57E-01	2.42E-10	1.0E+06	2.4E-04	5	4.90E-06
299	0.06211	4.72E-04	2.9E-05	1.05E-03	3.07E-08	6.00E-02	1.57E-01	2.89E-10	1.0E+06	2.9E-04	5	5.87E-06
300	0.07428	4.72E-04	3.5E-05	1.05E-03	3.67E-08	6.00E-02	1.57E-01	3.46E-10	1.0E+06	3.5E-04	5	7.02E-06
301	0.08731	4.72E-04	4.1E-05	1.05E-03	4.31E-08	6.00E-02	1.57E-01	4.07E-10	1.0E+06	4.1E-04	5	8.25E-06
302	0.10189	4.72E-04	4.8E-05	1.05E-03	5.03E-08	6.00E-02	1.57E-01	4.74E-10	1.0E+06	4.7E-04	5	9.63E-06
303	0.11694	4.72E-04	5.5E-05	1.05E-03	5.78E-08	6.00E-02	1.57E-01	5.45E-10	1.0E+06	5.4E-04	5	1.11E-05
304	0.13182	4.72E-04	6.2E-05	1.05E-03	6.51E-08	6.00E-02	1.57E-01	6.14E-10	1.0E+06	6.1E-04	5	1.25E-05
305	0.14328	4.72E-04	6.8E-05	1.05E-03	7.08E-08	6.00E-02	1.57E-01	6.67E-10	1.0E+06	6.7E-04	5	1.35E-05
306	0.14962	4.72E-04	7.1E-05	1.05E-03	7.39E-08	6.00E-02	1.57E-01	6.97E-10	1.0E+06	7.0E-04	5	1.41E-05
307	0.152	4.72E-04	7.2E-05	1.05E-03	7.51E-08	6.00E-02	1.57E-01	7.08E-10	1.0E+06	7.1E-04	5	1.44E-05
308	0.14951	4.72E-04	7.1E-05	1.05E-03	7.38E-08	6.00E-02	1.57E-01	6.96E-10	1.0E+06	7.0E-04	5	1.41E-05
309	0.14425	4.72E-04	6.8E-05	1.05E-03	7.12E-08	6.00E-02	1.57E-01	6.72E-10	1.0E+06	6.7E-04	5	1.36E-05
310	0.13414	4.72E-04	6.3E-05	1.05E-03	6.62E-08	6.00E-02	1.57E-01	6.25E-10	1.0E+06	6.2E-04	5	1.27E-05
311	0.12259	4.72E-04	5.8E-05	1.05E-03	6.05E-08	6.00E-02	1.57E-01	5.71E-10	1.0E+06	5.7E-04	5	1.16E-05
312	0.11084	4.72E-04	5.2E-05	1.05E-03	5.47E-08	6.00E-02	1.57E-01	5.16E-10	1.0E+06	5.2E-04	5	1.05E-05
313	0.09894	4.72E-04	4.7E-05	1.05E-03	4.89E-08	6.00E-02	1.57E-01	4.61E-10	1.0E+06	4.6E-04	5	9.35E-06
314	0.08795	4.72E-04	4.2E-05	1.05E-03	4.34E-08	6.00E-02	1.57E-01	4.10E-10	1.0E+06	4.1E-04	5	8.31E-06
315	0.0212	4.72E-04	1.0E-05	1.05E-03	1.05E-08	6.00E-02	1.57E-01	9.87E-11	1.0E+06	9.9E-05	5	2.00E-06
316	0.02412	4.72E-04	1.1E-05	1.05E-03	1.19E-08	6.00E-02	1.57E-01	1.12E-10	1.0E+06	1.1E-04	5	2.28E-06
317	0.02756	4.72E-04	1.3E-05	1.05E-03	1.36E-08	6.00E-02	1.57E-01	1.28E-10	1.0E+06	1.3E-04	5	2.60E-06
318	0.03158	4.72E-04	1.5E-05	1.05E-03	1.56E-08	6.00E-02	1.57E-01	1.47E-10	1.0E+06	1.5E-04	5	2.98E-06
319	0.03626	4.72E-04	1.7E-05	1.05E-03	1.79E-08	6.00E-02	1.57E-01	1.69E-10	1.0E+06	1.7E-04	5	3.43E-06
320	0.04201	4.72E-04	2.0E-05	1.05E-03	2.07E-08	6.00E-02	1.57E-01	1.96E-10	1.0E+06	2.0E-04	5	3.97E-06
321	0.04848	4.72E-04	2.3E-05	1.05E-03	2.39E-08	6.00E-02	1.57E-01	2.26E-10	1.0E+06	2.3E-04	5	4.58E-06
322	0.05585	4.72E-04	2.6E-05	1.05E-03	2.76E-08	6.00E-02	1.57E-01	2.60E-10	1.0E+06	2.6E-04	5	5.28E-06
323	0.06392	4.72E-04	3.0E-05	1.05E-03	3.16E-08	6.00E-02	1.57E-01	2.98E-10	1.0E+06	3.0E-04	5	6.04E-06
324	0.07224	4.72E-04	3.4E-05	1.05E-03	3.57E-08	6.00E-02	1.57E-01	3.36E-10	1.0E+06	3.4E-04	5	6.83E-06
325	0.08079	4.72E-04	3.8E-05	1.05E-03	3.99E-08	6.00E-02	1.57E-01	3.76E-10	1.0E+06	3.8E-04	5	7.63E-06
326	0.08923	4.72E-04	4.2E-05	1.05E-03	4.41E-08	6.00E-02	1.57E-01	4.15E-10	1.0E+06	4.2E-04	5	8.43E-06
327	0.09775	4.72E-04	4.6E-05	1.05E-03	4.83E-08	6.00E-02	1.57E-01	4.55E-10	1.0E+06	4.6E-04	5	9.24E-06
328	0.10056	4.72E-04	4.8E-05	1.05E-03	4.97E-08	6.00E-02	1.57E-01	4.68E-10	1.0E+06	4.7E-04	5	9.50E-06
329	0.10323	4.72E-04	4.9E-05	1.05E-03	5.10E-08	6.00E-02	1.57E-01	4.81E-10	1.0E+06	4.8E-04	5	9.76E-06
330	0.10406	4.72E-04	4.9E-05	1.05E-03	5.14E-08	6.00E-02	1.57E-01	4.85E-10	1.0E+06	4.8E-04	5	9.83E-06
331	0.10287	4.72E-04	4.9E-05	1.05E-03	5.08E-08	6.00E-02	1.57E-01	4.79E-10	1.0E+06	4.8E-04	5	9.72E-06
332	0.09973	4.72E-04	4.7E-05	1.05E-03	4.93E-08	6.00E-02	1.57E-01	4.64E-10	1.0E+06	4.6E-04	5	9.42E-06
333	0.09463	4.72E-04	4.5E-05	1.05E-03	4.67E-08	6.00E-02	1.57E-01	4.41E-10	1.0E+06	4.4E-04	5	8.94E-06
334	0.08888	4.72E-04	4.2E-05	1.05E-03	4.39E-08	6.00E-02	1.57E-01	4.14E-10	1.0E+06	4.1E-04	5	8.40E-06
335	0.08226	4.72E-04	3.9E-05	1.05E-03	4.06E-08	6.00E-02	1.57E-01	3.83E-10	1.0E+06	3.8E-04	5	7.77E-06
336	0.07547	4.72E-04	3.6E-05	1.05E-03	3.73E-08	6.00E-02	1.57E-01	3.51E-10	1.0E+06	3.5E-04	5	7.13E-06
337	0.01978	4.72E-04	9.3E-06	1.05E-03	9.77E-09	6.00E-02	1.57E-01	9.21E-11	1.0E+06	9.2E-05	5	1.87E-06
338	0.02207	4.72E-04	1.0E-05	1.05E-03	1.09E-08	6.00E-02	1.57E-01	1.03E-10	1.0E+06	1.0E-04	5	2.09E-06
339	0.02464	4.72E-04	1.2E-05	1.05E-03	1.22E-08	6.00E-02	1.57E-01	1.15E-10	1.0E+06	1.1E-04	5	2.33E-06
340	0.02761	4.72E-04	1.3E-05	1.05E-03	1.36E-08	6.00E-02	1.57E-01	1.29E-10	1.0E+06	1.3E-04	5	2.61E-06
341	0.03095	4.72E-04	1.5E-05	1.05E-03	1.53E-08	6.00E-02	1.57E-01	1.44E-10	1.0E+06	1.4E-04	5	2.92E-06
342	0.0349	4.72E-04	1.6E-05	1.05E-03	1.72E-08	6.00E-02	1.57E-01	1.63E-10	1.0E+06	1.6E-04	5	3.30E-06
343	0.03919	4.72E-04	1.9E-05	1.05E-03	1.94E-08	6.00E-02	1.57E-01	1.82E-10	1.0E+06	1.8E-04	5	3.70E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
344	0.04397	4.72E-04	2.1E-05	1.05E-03	2.17E-08	6.00E-02	1.57E-01	2.05E-10	1.0E+06	2.0E-04	5	4.16E-06
345	0.04905	4.72E-04	2.3E-05	1.05E-03	2.42E-08	6.00E-02	1.57E-01	2.28E-10	1.0E+06	2.3E-04	5	4.64E-06
346	0.05441	4.72E-04	2.6E-05	1.05E-03	2.69E-08	6.00E-02	1.57E-01	2.53E-10	1.0E+06	2.5E-04	5	5.14E-06
347	0.05965	4.72E-04	2.8E-05	1.05E-03	2.95E-08	6.00E-02	1.57E-01	2.78E-10	1.0E+06	2.8E-04	5	5.64E-06
348	0.0648	4.72E-04	3.1E-05	1.05E-03	3.20E-08	6.00E-02	1.57E-01	3.02E-10	1.0E+06	3.0E-04	5	6.12E-06
349	0.06869	4.72E-04	3.2E-05	1.05E-03	3.39E-08	6.00E-02	1.57E-01	3.20E-10	1.0E+06	3.2E-04	5	6.49E-06
350	0.07216	4.72E-04	3.4E-05	1.05E-03	3.56E-08	6.00E-02	1.57E-01	3.36E-10	1.0E+06	3.4E-04	5	6.82E-06
351	0.0746	4.72E-04	3.5E-05	1.05E-03	3.68E-08	6.00E-02	1.57E-01	3.47E-10	1.0E+06	3.5E-04	5	7.05E-06
352	0.07569	4.72E-04	3.6E-05	1.05E-03	3.74E-08	6.00E-02	1.57E-01	3.52E-10	1.0E+06	3.5E-04	5	7.15E-06
353	0.07629	4.72E-04	3.6E-05	1.05E-03	3.77E-08	6.00E-02	1.57E-01	3.55E-10	1.0E+06	3.6E-04	5	7.21E-06
354	0.07544	4.72E-04	3.6E-05	1.05E-03	3.73E-08	6.00E-02	1.57E-01	3.51E-10	1.0E+06	3.5E-04	5	7.13E-06
355	0.07372	4.72E-04	3.5E-05	1.05E-03	3.64E-08	6.00E-02	1.57E-01	3.43E-10	1.0E+06	3.4E-04	5	6.97E-06
356	0.07108	4.72E-04	3.4E-05	1.05E-03	3.51E-08	6.00E-02	1.57E-01	3.31E-10	1.0E+06	3.3E-04	5	6.72E-06
357	0.0676	4.72E-04	3.2E-05	1.05E-03	3.34E-08	6.00E-02	1.57E-01	3.15E-10	1.0E+06	3.1E-04	5	6.39E-06
358	0.06366	4.72E-04	3.0E-05	1.05E-03	3.14E-08	6.00E-02	1.57E-01	2.96E-10	1.0E+06	3.0E-04	5	6.02E-06
359	0.01838	4.72E-04	8.7E-06	1.05E-03	9.08E-09	6.00E-02	1.57E-01	8.56E-11	1.0E+06	8.6E-05	5	1.74E-06
360	0.02018	4.72E-04	9.5E-06	1.05E-03	9.97E-09	6.00E-02	1.57E-01	9.40E-11	1.0E+06	9.4E-05	5	1.91E-06
361	0.02215	4.72E-04	1.0E-05	1.05E-03	1.09E-08	6.00E-02	1.57E-01	1.03E-10	1.0E+06	1.0E-04	5	2.09E-06
362	0.02434	4.72E-04	1.2E-05	1.05E-03	1.20E-08	6.00E-02	1.57E-01	1.13E-10	1.0E+06	1.1E-04	5	2.30E-06
363	0.02676	4.72E-04	1.3E-05	1.05E-03	1.32E-08	6.00E-02	1.57E-01	1.25E-10	1.0E+06	1.2E-04	5	2.53E-06
364	0.02952	4.72E-04	1.4E-05	1.05E-03	1.46E-08	6.00E-02	1.57E-01	1.37E-10	1.0E+06	1.4E-04	5	2.79E-06
365	0.03254	4.72E-04	1.5E-05	1.05E-03	1.61E-08	6.00E-02	1.57E-01	1.52E-10	1.0E+06	1.5E-04	5	3.07E-06
366	0.0358	4.72E-04	1.7E-05	1.05E-03	1.77E-08	6.00E-02	1.57E-01	1.67E-10	1.0E+06	1.7E-04	5	3.38E-06
367	0.0393	4.72E-04	1.9E-05	1.05E-03	1.94E-08	6.00E-02	1.57E-01	1.83E-10	1.0E+06	1.8E-04	5	3.71E-06
368	0.04282	4.72E-04	2.0E-05	1.05E-03	2.11E-08	6.00E-02	1.57E-01	1.99E-10	1.0E+06	2.0E-04	5	4.05E-06
369	0.04625	4.72E-04	2.2E-05	1.05E-03	2.28E-08	6.00E-02	1.57E-01	2.15E-10	1.0E+06	2.2E-04	5	4.37E-06
370	0.04946	4.72E-04	2.3E-05	1.05E-03	2.44E-08	6.00E-02	1.57E-01	2.30E-10	1.0E+06	2.3E-04	5	4.67E-06
371	0.05247	4.72E-04	2.5E-05	1.05E-03	2.59E-08	6.00E-02	1.57E-01	2.44E-10	1.0E+06	2.4E-04	5	4.96E-06
372	0.05492	4.72E-04	2.6E-05	1.05E-03	2.71E-08	6.00E-02	1.57E-01	2.56E-10	1.0E+06	2.6E-04	5	5.19E-06
373	0.05664	4.72E-04	2.7E-05	1.05E-03	2.80E-08	6.00E-02	1.57E-01	2.64E-10	1.0E+06	2.6E-04	5	5.35E-06
374	0.05774	4.72E-04	2.7E-05	1.05E-03	2.85E-08	6.00E-02	1.57E-01	2.69E-10	1.0E+06	2.7E-04	5	5.46E-06
375	0.05858	4.72E-04	2.8E-05	1.05E-03	2.89E-08	6.00E-02	1.57E-01	2.73E-10	1.0E+06	2.7E-04	5	5.54E-06
376	0.05867	4.72E-04	2.8E-05	1.05E-03	2.90E-08	6.00E-02	1.57E-01	2.73E-10	1.0E+06	2.7E-04	5	5.54E-06
377	0.05825	4.72E-04	2.8E-05	1.05E-03	2.88E-08	6.00E-02	1.57E-01	2.71E-10	1.0E+06	2.7E-04	5	5.50E-06
378	0.05741	4.72E-04	2.7E-05	1.05E-03	2.84E-08	6.00E-02	1.57E-01	2.67E-10	1.0E+06	2.7E-04	5	5.43E-06
379	0.05579	4.72E-04	2.6E-05	1.05E-03	2.76E-08	6.00E-02	1.57E-01	2.60E-10	1.0E+06	2.6E-04	5	5.27E-06
380	0.05355	4.72E-04	2.5E-05	1.05E-03	2.64E-08	6.00E-02	1.57E-01	2.49E-10	1.0E+06	2.5E-04	5	5.06E-06
381	0.02253	4.72E-04	1.1E-05	1.05E-03	1.11E-08	6.00E-02	1.57E-01	1.05E-10	1.0E+06	1.0E-04	5	2.13E-06
382	0.02599	4.72E-04	1.2E-05	1.05E-03	1.28E-08	6.00E-02	1.57E-01	1.21E-10	1.0E+06	1.2E-04	5	2.46E-06
383	0.03011	4.72E-04	1.4E-05	1.05E-03	1.49E-08	6.00E-02	1.57E-01	1.40E-10	1.0E+06	1.4E-04	5	2.85E-06
384	0.03483	4.72E-04	1.6E-05	1.05E-03	1.72E-08	6.00E-02	1.57E-01	1.62E-10	1.0E+06	1.6E-04	5	3.29E-06
385	0.03991	4.72E-04	1.9E-05	1.05E-03	1.97E-08	6.00E-02	1.57E-01	1.86E-10	1.0E+06	1.9E-04	5	3.77E-06
386	0.04497	4.72E-04	2.1E-05	1.05E-03	2.22E-08	6.00E-02	1.57E-01	2.09E-10	1.0E+06	2.1E-04	5	4.25E-06
387	0.04947	4.72E-04	2.3E-05	1.05E-03	2.44E-08	6.00E-02	1.57E-01	2.30E-10	1.0E+06	2.3E-04	5	4.67E-06
388	0.05286	4.72E-04	2.5E-05	1.05E-03	2.61E-08	6.00E-02	1.57E-01	2.46E-10	1.0E+06	2.5E-04	5	5.00E-06
389	0.05477	4.72E-04	2.6E-05	1.05E-03	2.70E-08	6.00E-02	1.57E-01	2.55E-10	1.0E+06	2.6E-04	5	5.18E-06
390	0.05498	4.72E-04	2.6E-05	1.05E-03	2.72E-08	6.00E-02	1.57E-01	2.56E-10	1.0E+06	2.6E-04	5	5.20E-06
391	0.05344	4.72E-04	2.5E-05	1.05E-03	2.64E-08	6.00E-02	1.57E-01	2.49E-10	1.0E+06	2.5E-04	5	5.05E-06
392	0.0503	4.72E-04	2.4E-05	1.05E-03	2.48E-08	6.00E-02	1.57E-01	2.34E-10	1.0E+06	2.3E-04	5	4.75E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**REL**	**HI**
393	0.04596	4.72E-04	2.2E-05	1.05E-03	2.27E-08	6.00E-02	1.57E-01	2.14E-10	1.0E+06	2.1E-04	5	4.34E-06
394	0.04096	4.72E-04	1.9E-05	1.05E-03	2.02E-08	6.00E-02	1.57E-01	1.91E-10	1.0E+06	1.9E-04	5	3.87E-06
395	0.03596	4.72E-04	1.7E-05	1.05E-03	1.78E-08	6.00E-02	1.57E-01	1.67E-10	1.0E+06	1.7E-04	5	3.40E-06
396	0.03142	4.72E-04	1.5E-05	1.05E-03	1.55E-08	6.00E-02	1.57E-01	1.46E-10	1.0E+06	1.5E-04	5	2.97E-06
397	0.02755	4.72E-04	1.3E-05	1.05E-03	1.36E-08	6.00E-02	1.57E-01	1.28E-10	1.0E+06	1.3E-04	5	2.60E-06
398	0.02439	4.72E-04	1.2E-05	1.05E-03	1.20E-08	6.00E-02	1.57E-01	1.14E-10	1.0E+06	1.1E-04	5	2.30E-06
399	0.02578	4.72E-04	1.2E-05	1.05E-03	1.27E-08	6.00E-02	1.57E-01	1.20E-10	1.0E+06	1.2E-04	5	2.44E-06
400	0.0307	4.72E-04	1.5E-05	1.05E-03	1.52E-08	6.00E-02	1.57E-01	1.43E-10	1.0E+06	1.4E-04	5	2.90E-06
401	0.03693	4.72E-04	1.7E-05	1.05E-03	1.82E-08	6.00E-02	1.57E-01	1.72E-10	1.0E+06	1.7E-04	5	3.49E-06
402	0.04461	4.72E-04	2.1E-05	1.05E-03	2.20E-08	6.00E-02	1.57E-01	2.08E-10	1.0E+06	2.1E-04	5	4.22E-06
403	0.05344	4.72E-04	2.5E-05	1.05E-03	2.64E-08	6.00E-02	1.57E-01	2.49E-10	1.0E+06	2.5E-04	5	5.05E-06
404	0.06254	4.72E-04	3.0E-05	1.05E-03	3.09E-08	6.00E-02	1.57E-01	2.91E-10	1.0E+06	2.9E-04	5	5.91E-06
405	0.07072	4.72E-04	3.3E-05	1.05E-03	3.49E-08	6.00E-02	1.57E-01	3.29E-10	1.0E+06	3.3E-04	5	6.68E-06
406	0.0769	4.72E-04	3.6E-05	1.05E-03	3.80E-08	6.00E-02	1.57E-01	3.58E-10	1.0E+06	3.6E-04	5	7.27E-06
407	0.08045	4.72E-04	3.8E-05	1.05E-03	3.97E-08	6.00E-02	1.57E-01	3.75E-10	1.0E+06	3.7E-04	5	7.60E-06
408	0.08098	4.72E-04	3.8E-05	1.05E-03	4.00E-08	6.00E-02	1.57E-01	3.77E-10	1.0E+06	3.8E-04	5	7.65E-06
409	0.07837	4.72E-04	3.7E-05	1.05E-03	3.87E-08	6.00E-02	1.57E-01	3.65E-10	1.0E+06	3.6E-04	5	7.41E-06
410	0.07278	4.72E-04	3.4E-05	1.05E-03	3.59E-08	6.00E-02	1.57E-01	3.39E-10	1.0E+06	3.4E-04	5	6.88E-06
411	0.06487	4.72E-04	3.1E-05	1.05E-03	3.20E-08	6.00E-02	1.57E-01	3.02E-10	1.0E+06	3.0E-04	5	6.13E-06
412	0.05595	4.72E-04	2.6E-05	1.05E-03	2.76E-08	6.00E-02	1.57E-01	2.61E-10	1.0E+06	2.6E-04	5	5.29E-06
413	0.04746	4.72E-04	2.2E-05	1.05E-03	2.34E-08	6.00E-02	1.57E-01	2.21E-10	1.0E+06	2.2E-04	5	4.48E-06
414	0.04023	4.72E-04	1.9E-05	1.05E-03	1.99E-08	6.00E-02	1.57E-01	1.87E-10	1.0E+06	1.9E-04	5	3.80E-06
415	0.03449	4.72E-04	1.6E-05	1.05E-03	1.70E-08	6.00E-02	1.57E-01	1.61E-10	1.0E+06	1.6E-04	5	3.26E-06
416	0.03005	4.72E-04	1.4E-05	1.05E-03	1.48E-08	6.00E-02	1.57E-01	1.40E-10	1.0E+06	1.4E-04	5	2.84E-06
417	0.02937	4.72E-04	1.4E-05	1.05E-03	1.45E-08	6.00E-02	1.57E-01	1.37E-10	1.0E+06	1.4E-04	5	2.78E-06
418	0.0364	4.72E-04	1.7E-05	1.05E-03	1.80E-08	6.00E-02	1.57E-01	1.69E-10	1.0E+06	1.7E-04	5	3.44E-06
419	0.04611	4.72E-04	2.2E-05	1.05E-03	2.28E-08	6.00E-02	1.57E-01	2.15E-10	1.0E+06	2.1E-04	5	4.36E-06
420	0.05935	4.72E-04	2.8E-05	1.05E-03	2.93E-08	6.00E-02	1.57E-01	2.76E-10	1.0E+06	2.8E-04	5	5.61E-06
421	0.07596	4.72E-04	3.6E-05	1.05E-03	3.75E-08	6.00E-02	1.57E-01	3.54E-10	1.0E+06	3.5E-04	5	7.18E-06
422	0.09402	4.72E-04	4.4E-05	1.05E-03	4.64E-08	6.00E-02	1.57E-01	4.38E-10	1.0E+06	4.4E-04	5	8.88E-06
423	0.11027	4.72E-04	5.2E-05	1.05E-03	5.45E-08	6.00E-02	1.57E-01	5.13E-10	1.0E+06	5.1E-04	5	1.04E-05
424	0.12235	4.72E-04	5.8E-05	1.05E-03	6.04E-08	6.00E-02	1.57E-01	5.70E-10	1.0E+06	5.7E-04	5	1.16E-05
425	0.1296	4.72E-04	6.1E-05	1.05E-03	6.40E-08	6.00E-02	1.57E-01	6.03E-10	1.0E+06	6.0E-04	5	1.22E-05
426	0.13138	4.72E-04	6.2E-05	1.05E-03	6.49E-08	6.00E-02	1.57E-01	6.12E-10	1.0E+06	6.1E-04	5	1.24E-05
427	0.1271	4.72E-04	6.0E-05	1.05E-03	6.28E-08	6.00E-02	1.57E-01	5.92E-10	1.0E+06	5.9E-04	5	1.20E-05
428	0.11634	4.72E-04	5.5E-05	1.05E-03	5.75E-08	6.00E-02	1.57E-01	5.42E-10	1.0E+06	5.4E-04	5	1.10E-05
429	0.10035	4.72E-04	4.7E-05	1.05E-03	4.96E-08	6.00E-02	1.57E-01	4.67E-10	1.0E+06	4.7E-04	5	9.48E-06
430	0.08254	4.72E-04	3.9E-05	1.05E-03	4.08E-08	6.00E-02	1.57E-01	3.84E-10	1.0E+06	3.8E-04	5	7.80E-06
431	0.06669	4.72E-04	3.2E-05	1.05E-03	3.29E-08	6.00E-02	1.57E-01	3.11E-10	1.0E+06	3.1E-04	5	6.30E-06
432	0.05447	4.72E-04	2.6E-05	1.05E-03	2.69E-08	6.00E-02	1.57E-01	2.54E-10	1.0E+06	2.5E-04	5	5.15E-06
433	0.04551	4.72E-04	2.2E-05	1.05E-03	2.25E-08	6.00E-02	1.57E-01	2.12E-10	1.0E+06	2.1E-04	5	4.30E-06
434	0.03897	4.72E-04	1.8E-05	1.05E-03	1.92E-08	6.00E-02	1.57E-01	1.81E-10	1.0E+06	1.8E-04	5	3.68E-06
435	0.03292	4.72E-04	1.6E-05	1.05E-03	1.63E-08	6.00E-02	1.57E-01	1.53E-10	1.0E+06	1.5E-04	5	3.11E-06
436	0.04278	4.72E-04	2.0E-05	1.05E-03	2.11E-08	6.00E-02	1.57E-01	1.99E-10	1.0E+06	2.0E-04	5	4.04E-06
437	0.05819	4.72E-04	2.7E-05	1.05E-03	2.87E-08	6.00E-02	1.57E-01	2.71E-10	1.0E+06	2.7E-04	5	5.50E-06
438	0.08234	4.72E-04	3.9E-05	1.05E-03	4.07E-08	6.00E-02	1.57E-01	3.83E-10	1.0E+06	3.8E-04	5	7.78E-06
439	0.11798	4.72E-04	5.6E-05	1.05E-03	5.83E-08	6.00E-02	1.57E-01	5.49E-10	1.0E+06	5.5E-04	5	1.11E-05
440	0.16126	4.72E-04	7.6E-05	1.05E-03	7.96E-08	6.00E-02	1.57E-01	7.51E-10	1.0E+06	7.5E-04	5	1.52E-05
441	0.19877	4.72E-04	9.4E-05	1.05E-03	9.82E-08	6.00E-02	1.57E-01	9.26E-10	1.0E+06	9.3E-04	5	1.88E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**REL**	**HI**
442	0.22434	4.72E-04	1.1E-04	1.05E-03	1.11E-07	6.00E-02	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.12E-05
443	0.24083	4.72E-04	1.1E-04	1.05E-03	1.19E-07	6.00E-02	1.57E-01	1.12E-09	1.0E+06	1.1E-03	5	2.28E-05
444	0.24807	4.72E-04	1.2E-04	1.05E-03	1.23E-07	6.00E-02	1.57E-01	1.16E-09	1.0E+06	1.2E-03	5	2.34E-05
445	0.24147	4.72E-04	1.1E-04	1.05E-03	1.19E-07	6.00E-02	1.57E-01	1.12E-09	1.0E+06	1.1E-03	5	2.28E-05
446	0.21912	4.72E-04	1.0E-04	1.05E-03	1.08E-07	6.00E-02	1.57E-01	1.02E-09	1.0E+06	1.0E-03	5	2.07E-05
447	0.18022	4.72E-04	8.5E-05	1.05E-03	8.90E-08	6.00E-02	1.57E-01	8.39E-10	1.0E+06	8.4E-04	5	1.70E-05
448	0.13666	4.72E-04	6.5E-05	1.05E-03	6.75E-08	6.00E-02	1.57E-01	6.36E-10	1.0E+06	6.4E-04	5	1.29E-05
449	0.10262	4.72E-04	4.8E-05	1.05E-03	5.07E-08	6.00E-02	1.57E-01	4.78E-10	1.0E+06	4.8E-04	5	9.70E-06
450	0.07989	4.72E-04	3.8E-05	1.05E-03	3.95E-08	6.00E-02	1.57E-01	3.72E-10	1.0E+06	3.7E-04	5	7.55E-06
451	0.06471	4.72E-04	3.1E-05	1.05E-03	3.20E-08	6.00E-02	1.57E-01	3.01E-10	1.0E+06	3.0E-04	5	6.11E-06
452	0.05388	4.72E-04	2.5E-05	1.05E-03	2.66E-08	6.00E-02	1.57E-01	2.51E-10	1.0E+06	2.5E-04	5	5.09E-06
453	0.03603	4.72E-04	1.7E-05	1.05E-03	1.78E-08	6.00E-02	1.57E-01	1.68E-10	1.0E+06	1.7E-04	5	3.40E-06
454	0.04899	4.72E-04	2.3E-05	1.05E-03	2.42E-08	6.00E-02	1.57E-01	2.28E-10	1.0E+06	2.3E-04	5	4.63E-06
455	0.07223	4.72E-04	3.4E-05	1.05E-03	3.57E-08	6.00E-02	1.57E-01	3.36E-10	1.0E+06	3.4E-04	5	6.83E-06
456	0.11701	4.72E-04	5.5E-05	1.05E-03	5.78E-08	6.00E-02	1.57E-01	5.45E-10	1.0E+06	5.4E-04	5	1.11E-05
457	0.2127	4.72E-04	1.0E-04	1.05E-03	1.05E-07	6.00E-02	1.57E-01	9.90E-10	1.0E+06	9.9E-04	5	2.01E-05
458	0.37369	4.72E-04	1.8E-04	1.05E-03	1.85E-07	6.00E-02	1.57E-01	1.74E-09	1.0E+06	1.7E-03	5	3.53E-05
459	0.48978	4.72E-04	2.3E-04	1.05E-03	2.42E-07	6.00E-02	1.57E-01	2.28E-09	1.0E+06	2.3E-03	5	4.63E-05
460	0.55097	4.72E-04	2.6E-04	1.05E-03	2.72E-07	6.00E-02	1.57E-01	2.57E-09	1.0E+06	2.6E-03	5	5.21E-05
461	0.59804	4.72E-04	2.8E-04	1.05E-03	2.95E-07	6.00E-02	1.57E-01	2.78E-09	1.0E+06	2.8E-03	5	5.65E-05
462	0.63882	4.72E-04	3.0E-04	1.05E-03	3.15E-07	6.00E-02	1.57E-01	2.97E-09	1.0E+06	3.0E-03	5	6.04E-05
463	0.6226	4.72E-04	2.9E-04	1.05E-03	3.07E-07	6.00E-02	1.57E-01	2.90E-09	1.0E+06	2.9E-03	5	5.88E-05
464	0.57784	4.72E-04	2.7E-04	1.05E-03	2.85E-07	6.00E-02	1.57E-01	2.69E-09	1.0E+06	2.7E-03	5	5.46E-05
465	0.43858	4.72E-04	2.1E-04	1.05E-03	2.17E-07	6.00E-02	1.57E-01	2.04E-09	1.0E+06	2.0E-03	5	4.14E-05
466	0.274	4.72E-04	1.3E-04	1.05E-03	1.35E-07	6.00E-02	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5	2.59E-05
467	0.18051	4.72E-04	8.5E-05	1.05E-03	8.91E-08	6.00E-02	1.57E-01	8.41E-10	1.0E+06	8.4E-04	5	1.71E-05
468	0.12984	4.72E-04	6.1E-05	1.05E-03	6.41E-08	6.00E-02	1.57E-01	6.05E-10	1.0E+06	6.0E-04	5	1.23E-05
469	0.09899	4.72E-04	4.7E-05	1.05E-03	4.89E-08	6.00E-02	1.57E-01	4.61E-10	1.0E+06	4.6E-04	5	9.35E-06
470	0.07854	4.72E-04	3.7E-05	1.05E-03	3.88E-08	6.00E-02	1.57E-01	3.66E-10	1.0E+06	3.7E-04	5	7.42E-06
471	0.03816	4.72E-04	1.8E-05	1.05E-03	1.88E-08	6.00E-02	1.57E-01	1.78E-10	1.0E+06	1.8E-04	5	3.61E-06
472	0.05389	4.72E-04	2.5E-05	1.05E-03	2.66E-08	6.00E-02	1.57E-01	2.51E-10	1.0E+06	2.5E-04	5	5.09E-06
473	0.08442	4.72E-04	4.0E-05	1.05E-03	4.17E-08	6.00E-02	1.57E-01	3.93E-10	1.0E+06	3.9E-04	5	7.98E-06
474	0.15668	4.72E-04	7.4E-05	1.05E-03	7.74E-08	6.00E-02	1.57E-01	7.30E-10	1.0E+06	7.3E-04	5	1.48E-05
475	0.43093	4.72E-04	2.0E-04	1.05E-03	2.13E-07	6.00E-02	1.57E-01	2.01E-09	1.0E+06	2.0E-03	5	4.07E-05
476	0.71106	4.72E-04	3.4E-04	1.05E-03	3.51E-07	6.00E-02	1.57E-01	3.31E-09	1.0E+06	3.3E-03	5	6.72E-05
477	0.35026	4.72E-04	1.7E-04	1.05E-03	1.73E-07	6.00E-02	1.57E-01	1.63E-09	1.0E+06	1.6E-03	5	3.31E-05
478	0.21915	4.72E-04	1.0E-04	1.05E-03	1.08E-07	6.00E-02	1.57E-01	1.02E-09	1.0E+06	1.0E-03	5	2.07E-05
479	0.15338	4.72E-04	7.2E-05	1.05E-03	7.57E-08	6.00E-02	1.57E-01	7.14E-10	1.0E+06	7.1E-04	5	1.45E-05
480	0.11466	4.72E-04	5.4E-05	1.05E-03	5.66E-08	6.00E-02	1.57E-01	5.34E-10	1.0E+06	5.3E-04	5	1.08E-05
481	0.03927	4.72E-04	1.9E-05	1.05E-03	1.94E-08	6.00E-02	1.57E-01	1.83E-10	1.0E+06	1.8E-04	5	3.71E-06
482	0.05613	4.72E-04	2.7E-05	1.05E-03	2.77E-08	6.00E-02	1.57E-01	2.61E-10	1.0E+06	2.6E-04	5	5.30E-06
483	0.08932	4.72E-04	4.2E-05	1.05E-03	4.41E-08	6.00E-02	1.57E-01	4.16E-10	1.0E+06	4.2E-04	5	8.44E-06
484	0.17498	4.72E-04	8.3E-05	1.05E-03	8.64E-08	6.00E-02	1.57E-01	8.15E-10	1.0E+06	8.1E-04	5	1.65E-05
485	0.568	4.72E-04	2.7E-04	1.05E-03	2.81E-07	6.00E-02	1.57E-01	2.64E-09	1.0E+06	2.6E-03	5	5.37E-05
486	1.18579	4.72E-04	5.6E-04	1.05E-03	5.86E-07	6.00E-02	1.57E-01	5.52E-09	1.0E+06	5.5E-03	5	1.12E-04
487	0.55103	4.72E-04	2.6E-04	1.05E-03	2.72E-07	6.00E-02	1.57E-01	2.57E-09	1.0E+06	2.6E-03	5	5.21E-05
488	0.32582	4.72E-04	1.5E-04	1.05E-03	1.61E-07	6.00E-02	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5	3.08E-05
489	0.21679	4.72E-04	1.0E-04	1.05E-03	1.07E-07	6.00E-02	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	2.05E-05
490	0.1558	4.72E-04	7.4E-05	1.05E-03	7.69E-08	6.00E-02	1.57E-01	7.25E-10	1.0E+06	7.3E-04	5	1.47E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**REL**	**HI**
491	0.0391	4.72E-04	1.8E-05	1.05E-03	1.93E-08	6.00E-02	1.57E-01	1.82E-10	1.0E+06	1.8E-04	5	3.69E-06
492	0.05503	4.72E-04	2.6E-05	1.05E-03	2.72E-08	6.00E-02	1.57E-01	2.56E-10	1.0E+06	2.6E-04	5	5.20E-06
493	0.0853	4.72E-04	4.0E-05	1.05E-03	4.21E-08	6.00E-02	1.57E-01	3.97E-10	1.0E+06	4.0E-04	5	8.06E-06
494	0.15688	4.72E-04	7.4E-05	1.05E-03	7.75E-08	6.00E-02	1.57E-01	7.30E-10	1.0E+06	7.3E-04	5	1.48E-05
495	0.42029	4.72E-04	2.0E-04	1.05E-03	2.08E-07	6.00E-02	1.57E-01	1.96E-09	1.0E+06	2.0E-03	5	3.97E-05
496	1.92949	4.72E-04	9.1E-04	1.05E-03	9.53E-07	6.00E-02	1.57E-01	8.98E-09	1.0E+06	9.0E-03	5	1.82E-04
497	1.58185	4.72E-04	7.5E-04	1.05E-03	7.81E-07	6.00E-02	1.57E-01	7.37E-09	1.0E+06	7.4E-03	5	1.49E-04
498	2.31241	4.72E-04	1.1E-03	1.05E-03	1.14E-06	6.00E-02	1.57E-01	1.08E-08	1.0E+06	1.1E-02	5	2.19E-04
499	1.07166	4.72E-04	5.1E-04	1.05E-03	5.29E-07	6.00E-02	1.57E-01	4.99E-09	1.0E+06	5.0E-03	5	1.01E-04
500	0.60701	4.72E-04	2.9E-04	1.05E-03	3.00E-07	6.00E-02	1.57E-01	2.83E-09	1.0E+06	2.8E-03	5	5.74E-05
501	0.38215	4.72E-04	1.8E-04	1.05E-03	1.89E-07	6.00E-02	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5	3.61E-05
502	0.26017	4.72E-04	1.2E-04	1.05E-03	1.28E-07	6.00E-02	1.57E-01	1.21E-09	1.0E+06	1.2E-03	5	2.46E-05
503	0.18756	4.72E-04	8.9E-05	1.05E-03	9.26E-08	6.00E-02	1.57E-01	8.73E-10	1.0E+06	8.7E-04	5	1.77E-05
504	0.03784	4.72E-04	1.8E-05	1.05E-03	1.87E-08	6.00E-02	1.57E-01	1.76E-10	1.0E+06	1.8E-04	5	3.58E-06
505	0.05134	4.72E-04	2.4E-05	1.05E-03	2.54E-08	6.00E-02	1.57E-01	2.39E-10	1.0E+06	2.4E-04	5	4.85E-06
506	0.07532	4.72E-04	3.6E-05	1.05E-03	3.72E-08	6.00E-02	1.57E-01	3.51E-10	1.0E+06	3.5E-04	5	7.12E-06
507	0.11979	4.72E-04	5.7E-05	1.05E-03	5.92E-08	6.00E-02	1.57E-01	5.58E-10	1.0E+06	5.6E-04	5	1.13E-05
508	0.2147	4.72E-04	1.0E-04	1.05E-03	1.06E-07	6.00E-02	1.57E-01	1.00E-09	1.0E+06	1.0E-03	5	2.03E-05
509	0.38989	4.72E-04	1.8E-04	1.05E-03	1.93E-07	6.00E-02	1.57E-01	1.82E-09	1.0E+06	1.8E-03	5	3.68E-05
510	0.58345	4.72E-04	2.8E-04	1.05E-03	2.88E-07	6.00E-02	1.57E-01	2.72E-09	1.0E+06	2.7E-03	5	5.51E-05
511	0.68426	4.72E-04	3.2E-04	1.05E-03	3.38E-07	6.00E-02	1.57E-01	3.19E-09	1.0E+06	3.2E-03	5	6.47E-05
512	0.85941	4.72E-04	4.1E-04	1.05E-03	4.24E-07	6.00E-02	1.57E-01	4.00E-09	1.0E+06	4.0E-03	5	8.12E-05
513	2.77875	4.72E-04	1.3E-03	1.05E-03	1.37E-06	6.00E-02	1.57E-01	1.29E-08	1.0E+06	1.3E-02	5	2.63E-04
514	3.51315	4.72E-04	1.7E-03	1.05E-03	1.73E-06	6.00E-02	1.57E-01	1.64E-08	1.0E+06	1.6E-02	5	3.32E-04
515	2.88362	4.72E-04	1.4E-03	1.05E-03	1.42E-06	6.00E-02	1.57E-01	1.34E-08	1.0E+06	1.3E-02	5	2.72E-04
516	1.29169	4.72E-04	6.1E-04	1.05E-03	6.38E-07	6.00E-02	1.57E-01	6.01E-09	1.0E+06	6.0E-03	5	1.22E-04
517	0.78486	4.72E-04	3.7E-04	1.05E-03	3.88E-07	6.00E-02	1.57E-01	3.65E-09	1.0E+06	3.7E-03	5	7.42E-05
518	0.52381	4.72E-04	2.5E-04	1.05E-03	2.59E-07	6.00E-02	1.57E-01	2.44E-09	1.0E+06	2.4E-03	5	4.95E-05
519	0.36546	4.72E-04	1.7E-04	1.05E-03	1.80E-07	6.00E-02	1.57E-01	1.70E-09	1.0E+06	1.7E-03	5	3.45E-05
520	0.26438	4.72E-04	1.2E-04	1.05E-03	1.31E-07	6.00E-02	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.50E-05
521	0.19772	4.72E-04	9.3E-05	1.05E-03	9.76E-08	6.00E-02	1.57E-01	9.21E-10	1.0E+06	9.2E-04	5	1.87E-05
522	0.03561	4.72E-04	1.7E-05	1.05E-03	1.76E-08	6.00E-02	1.57E-01	1.66E-10	1.0E+06	1.7E-04	5	3.37E-06
523	0.04649	4.72E-04	2.2E-05	1.05E-03	2.30E-08	6.00E-02	1.57E-01	2.16E-10	1.0E+06	2.2E-04	5	4.39E-06
524	0.06309	4.72E-04	3.0E-05	1.05E-03	3.12E-08	6.00E-02	1.57E-01	2.94E-10	1.0E+06	2.9E-04	5	5.96E-06
525	0.0886	4.72E-04	4.2E-05	1.05E-03	4.38E-08	6.00E-02	1.57E-01	4.13E-10	1.0E+06	4.1E-04	5	8.37E-06
526	0.12621	4.72E-04	6.0E-05	1.05E-03	6.23E-08	6.00E-02	1.57E-01	5.88E-10	1.0E+06	5.9E-04	5	1.19E-05
527	0.18118	4.72E-04	8.6E-05	1.05E-03	8.95E-08	6.00E-02	1.57E-01	8.44E-10	1.0E+06	8.4E-04	5	1.71E-05
528	0.2456	4.72E-04	1.2E-04	1.05E-03	1.21E-07	6.00E-02	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.32E-05
529	0.31763	4.72E-04	1.5E-04	1.05E-03	1.57E-07	6.00E-02	1.57E-01	1.48E-09	1.0E+06	1.5E-03	5	3.00E-05
530	0.41113	4.72E-04	1.9E-04	1.05E-03	2.03E-07	6.00E-02	1.57E-01	1.91E-09	1.0E+06	1.9E-03	5	3.89E-05
531	0.55057	4.72E-04	2.6E-04	1.05E-03	2.72E-07	6.00E-02	1.57E-01	2.56E-09	1.0E+06	2.6E-03	5	5.20E-05
532	0.69291	4.72E-04	3.3E-04	1.05E-03	3.42E-07	6.00E-02	1.57E-01	3.23E-09	1.0E+06	3.2E-03	5	6.55E-05
533	0.7283	4.72E-04	3.4E-04	1.05E-03	3.60E-07	6.00E-02	1.57E-01	3.39E-09	1.0E+06	3.4E-03	5	6.88E-05
534	0.63288	4.72E-04	3.0E-04	1.05E-03	3.13E-07	6.00E-02	1.57E-01	2.95E-09	1.0E+06	2.9E-03	5	5.98E-05
535	0.5023	4.72E-04	2.4E-04	1.05E-03	2.48E-07	6.00E-02	1.57E-01	2.34E-09	1.0E+06	2.3E-03	5	4.75E-05
536	0.38917	4.72E-04	1.8E-04	1.05E-03	1.92E-07	6.00E-02	1.57E-01	1.81E-09	1.0E+06	1.8E-03	5	3.68E-05
537	0.30186	4.72E-04	1.4E-04	1.05E-03	1.49E-07	6.00E-02	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	2.85E-05
538	0.23547	4.72E-04	1.1E-04	1.05E-03	1.16E-07	6.00E-02	1.57E-01	1.10E-09	1.0E+06	1.1E-03	5	2.23E-05
539	0.18607	4.72E-04	8.8E-05	1.05E-03	9.19E-08	6.00E-02	1.57E-01	8.66E-10	1.0E+06	8.7E-04	5	1.76E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
540	0.03286	4.72E-04	1.6E-05	1.05E-03	1.62E-08	6.00E-02	1.57E-01	1.53E-10	1.0E+06	1.5E-04	5	3.11E-06
541	0.04101	4.72E-04	1.9E-05	1.05E-03	2.03E-08	6.00E-02	1.57E-01	1.91E-10	1.0E+06	1.9E-04	5	3.88E-06
542	0.05215	4.72E-04	2.5E-05	1.05E-03	2.58E-08	6.00E-02	1.57E-01	2.43E-10	1.0E+06	2.4E-04	5	4.93E-06
543	0.06716	4.72E-04	3.2E-05	1.05E-03	3.32E-08	6.00E-02	1.57E-01	3.13E-10	1.0E+06	3.1E-04	5	6.35E-06
544	0.08732	4.72E-04	4.1E-05	1.05E-03	4.31E-08	6.00E-02	1.57E-01	4.07E-10	1.0E+06	4.1E-04	5	8.25E-06
545	0.11247	4.72E-04	5.3E-05	1.05E-03	5.55E-08	6.00E-02	1.57E-01	5.24E-10	1.0E+06	5.2E-04	5	1.06E-05
546	0.14346	4.72E-04	6.8E-05	1.05E-03	7.08E-08	6.00E-02	1.57E-01	6.68E-10	1.0E+06	6.7E-04	5	1.36E-05
547	0.17915	4.72E-04	8.5E-05	1.05E-03	8.85E-08	6.00E-02	1.57E-01	8.34E-10	1.0E+06	8.3E-04	5	1.69E-05
548	0.22128	4.72E-04	1.0E-04	1.05E-03	1.09E-07	6.00E-02	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	2.09E-05
549	0.26602	4.72E-04	1.3E-04	1.05E-03	1.31E-07	6.00E-02	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	2.51E-05
550	0.30766	4.72E-04	1.5E-04	1.05E-03	1.52E-07	6.00E-02	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	2.91E-05
551	0.3381	4.72E-04	1.6E-04	1.05E-03	1.67E-07	6.00E-02	1.57E-01	1.57E-09	1.0E+06	1.6E-03	5	3.19E-05
552	0.32725	4.72E-04	1.5E-04	1.05E-03	1.62E-07	6.00E-02	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5	3.09E-05
553	0.3018	4.72E-04	1.4E-04	1.05E-03	1.49E-07	6.00E-02	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	2.85E-05
554	0.26514	4.72E-04	1.3E-04	1.05E-03	1.31E-07	6.00E-02	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.51E-05
555	0.22833	4.72E-04	1.1E-04	1.05E-03	1.13E-07	6.00E-02	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	2.16E-05
556	0.19182	4.72E-04	9.1E-05	1.05E-03	9.47E-08	6.00E-02	1.57E-01	8.93E-10	1.0E+06	8.9E-04	5	1.81E-05
557	0.1605	4.72E-04	7.6E-05	1.05E-03	7.93E-08	6.00E-02	1.57E-01	7.47E-10	1.0E+06	7.5E-04	5	1.52E-05
558	0.02995	4.72E-04	1.4E-05	1.05E-03	1.48E-08	6.00E-02	1.57E-01	1.39E-10	1.0E+06	1.4E-04	5	2.83E-06
559	0.03595	4.72E-04	1.7E-05	1.05E-03	1.78E-08	6.00E-02	1.57E-01	1.67E-10	1.0E+06	1.7E-04	5	3.40E-06
560	0.04339	4.72E-04	2.1E-05	1.05E-03	2.14E-08	6.00E-02	1.57E-01	2.02E-10	1.0E+06	2.0E-04	5	4.10E-06
561	0.05285	4.72E-04	2.5E-05	1.05E-03	2.61E-08	6.00E-02	1.57E-01	2.46E-10	1.0E+06	2.5E-04	5	4.99E-06
562	0.06443	4.72E-04	3.0E-05	1.05E-03	3.18E-08	6.00E-02	1.57E-01	3.00E-10	1.0E+06	3.0E-04	5	6.09E-06
563	0.0787	4.72E-04	3.7E-05	1.05E-03	3.89E-08	6.00E-02	1.57E-01	3.66E-10	1.0E+06	3.7E-04	5	7.44E-06
564	0.09579	4.72E-04	4.5E-05	1.05E-03	4.73E-08	6.00E-02	1.57E-01	4.46E-10	1.0E+06	4.5E-04	5	9.05E-06
565	0.11427	4.72E-04	5.4E-05	1.05E-03	5.64E-08	6.00E-02	1.57E-01	5.32E-10	1.0E+06	5.3E-04	5	1.08E-05
566	0.13497	4.72E-04	6.4E-05	1.05E-03	6.67E-08	6.00E-02	1.57E-01	6.28E-10	1.0E+06	6.3E-04	5	1.28E-05
567	0.15561	4.72E-04	7.4E-05	1.05E-03	7.68E-08	6.00E-02	1.57E-01	7.25E-10	1.0E+06	7.2E-04	5	1.47E-05
568	0.17461	4.72E-04	8.3E-05	1.05E-03	8.62E-08	6.00E-02	1.57E-01	8.13E-10	1.0E+06	8.1E-04	5	1.65E-05
569	0.18534	4.72E-04	8.8E-05	1.05E-03	9.15E-08	6.00E-02	1.57E-01	8.63E-10	1.0E+06	8.6E-04	5	1.75E-05
570	0.18962	4.72E-04	9.0E-05	1.05E-03	9.36E-08	6.00E-02	1.57E-01	8.83E-10	1.0E+06	8.8E-04	5	1.79E-05
571	0.1875	4.72E-04	8.9E-05	1.05E-03	9.26E-08	6.00E-02	1.57E-01	8.73E-10	1.0E+06	8.7E-04	5	1.77E-05
572	0.17873	4.72E-04	8.4E-05	1.05E-03	8.83E-08	6.00E-02	1.57E-01	8.32E-10	1.0E+06	8.3E-04	5	1.69E-05
573	0.16416	4.72E-04	7.8E-05	1.05E-03	8.11E-08	6.00E-02	1.57E-01	7.64E-10	1.0E+06	7.6E-04	5	1.55E-05
574	0.14752	4.72E-04	7.0E-05	1.05E-03	7.29E-08	6.00E-02	1.57E-01	6.87E-10	1.0E+06	6.9E-04	5	1.39E-05
575	0.13094	4.72E-04	6.2E-05	1.05E-03	6.47E-08	6.00E-02	1.57E-01	6.10E-10	1.0E+06	6.1E-04	5	1.24E-05

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years												*Chronic Non Cancer Risk*				
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**		**Max**	**Receptor #**	**REL**	**HI**		**Max**	**Receptor #**
1	0.04718	7.87E-05	3.7E-06	1.05E-03	3.88E-09	6.12E-01	1.57E-01	3.73E-10	1.0E+06	3.7E-04				5	7.43E-07			
2	0.01585	7.87E-05	1.2E-06	1.05E-03	1.30E-09	6.12E-01	1.57E-01	1.25E-10	1.0E+06	1.3E-04	Res	0.028	514	5	2.50E-07		5.53E-05	514 Res
3	0.01713	7.87E-05	1.3E-06	1.05E-03	1.41E-09	6.12E-01	1.57E-01	1.36E-10	1.0E+06	1.4E-04				5	2.70E-07			
4	0.0187	7.87E-05	1.5E-06	1.05E-03	1.54E-09	6.12E-01	1.57E-01	1.48E-10	1.0E+06	1.5E-04				5	2.95E-07			
5	0.02036	7.87E-05	1.6E-06	1.05E-03	1.68E-09	6.12E-01	1.57E-01	1.61E-10	1.0E+06	1.6E-04				5	3.21E-07			
6	0.02204	7.87E-05	1.7E-06	1.05E-03	1.81E-09	6.12E-01	1.57E-01	1.74E-10	1.0E+06	1.7E-04				5	3.47E-07			
7	0.02365	7.87E-05	1.9E-06	1.05E-03	1.95E-09	6.12E-01	1.57E-01	1.87E-10	1.0E+06	1.9E-04				5	3.72E-07			
8	0.02509	7.87E-05	2.0E-06	1.05E-03	2.07E-09	6.12E-01	1.57E-01	1.99E-10	1.0E+06	2.0E-04				5	3.95E-07			
9	0.02624	7.87E-05	2.1E-06	1.05E-03	2.16E-09	6.12E-01	1.57E-01	2.08E-10	1.0E+06	2.1E-04				5	4.13E-07			
10	0.027	7.87E-05	2.1E-06	1.05E-03	2.22E-09	6.12E-01	1.57E-01	2.14E-10	1.0E+06	2.1E-04				5	4.25E-07			
11	0.0273	7.87E-05	2.1E-06	1.05E-03	2.25E-09	6.12E-01	1.57E-01	2.16E-10	1.0E+06	2.2E-04				5	4.30E-07			
12	0.02709	7.87E-05	2.1E-06	1.05E-03	2.23E-09	6.12E-01	1.57E-01	2.14E-10	1.0E+06	2.1E-04				5	4.27E-07			
13	0.0264	7.87E-05	2.1E-06	1.05E-03	2.17E-09	6.12E-01	1.57E-01	2.09E-10	1.0E+06	2.1E-04				5	4.16E-07			
14	0.02529	7.87E-05	2.0E-06	1.05E-03	2.08E-09	6.12E-01	1.57E-01	2.00E-10	1.0E+06	2.0E-04				5	3.98E-07			
15	0.02385	7.87E-05	1.9E-06	1.05E-03	1.96E-09	6.12E-01	1.57E-01	1.89E-10	1.0E+06	1.9E-04				5	3.76E-07			
16	0.02221	7.87E-05	1.7E-06	1.05E-03	1.83E-09	6.12E-01	1.57E-01	1.76E-10	1.0E+06	1.8E-04				5	3.50E-07			
17	0.0205	7.87E-05	1.6E-06	1.05E-03	1.69E-09	6.12E-01	1.57E-01	1.62E-10	1.0E+06	1.6E-04				5	3.23E-07			
18	0.01882	7.87E-05	1.5E-06	1.05E-03	1.55E-09	6.12E-01	1.57E-01	1.49E-10	1.0E+06	1.5E-04				5	2.96E-07			
19	0.01726	7.87E-05	1.4E-06	1.05E-03	1.42E-09	6.12E-01	1.57E-01	1.37E-10	1.0E+06	1.4E-04				5	2.72E-07			
20	0.01586	7.87E-05	1.2E-06	1.05E-03	1.31E-09	6.12E-01	1.57E-01	1.26E-10	1.0E+06	1.3E-04				5	2.50E-07			
21	0.01463	7.87E-05	1.2E-06	1.05E-03	1.20E-09	6.12E-01	1.57E-01	1.16E-10	1.0E+06	1.2E-04				5	2.30E-07			
22	0.01356	7.87E-05	1.1E-06	1.05E-03	1.12E-09	6.12E-01	1.57E-01	1.07E-10	1.0E+06	1.1E-04				5	2.14E-07			
23	0.01587	7.87E-05	1.2E-06	1.05E-03	1.31E-09	6.12E-01	1.57E-01	1.26E-10	1.0E+06	1.3E-04				5	2.50E-07			
24	0.01758	7.87E-05	1.4E-06	1.05E-03	1.45E-09	6.12E-01	1.57E-01	1.39E-10	1.0E+06	1.4E-04				5	2.77E-07			
25	0.01954	7.87E-05	1.5E-06	1.05E-03	1.61E-09	6.12E-01	1.57E-01	1.55E-10	1.0E+06	1.5E-04				5	3.08E-07			
26	0.02174	7.87E-05	1.7E-06	1.05E-03	1.79E-09	6.12E-01	1.57E-01	1.72E-10	1.0E+06	1.7E-04				5	3.42E-07			
27	0.02414	7.87E-05	1.9E-06	1.05E-03	1.99E-09	6.12E-01	1.57E-01	1.91E-10	1.0E+06	1.9E-04				5	3.80E-07			
28	0.02665	7.87E-05	2.1E-06	1.05E-03	2.19E-09	6.12E-01	1.57E-01	2.11E-10	1.0E+06	2.1E-04				5	4.20E-07			
29	0.02912	7.87E-05	2.3E-06	1.05E-03	2.40E-09	6.12E-01	1.57E-01	2.31E-10	1.0E+06	2.3E-04				5	4.59E-07			
30	0.03137	7.87E-05	2.5E-06	1.05E-03	2.58E-09	6.12E-01	1.57E-01	2.48E-10	1.0E+06	2.5E-04				5	4.94E-07			
31	0.03319	7.87E-05	2.6E-06	1.05E-03	2.73E-09	6.12E-01	1.57E-01	2.63E-10	1.0E+06	2.6E-04				5	5.23E-07			
32	0.03441	7.87E-05	2.7E-06	1.05E-03	2.83E-09	6.12E-01	1.57E-01	2.72E-10	1.0E+06	2.7E-04				5	5.42E-07			
33	0.03488	7.87E-05	2.7E-06	1.05E-03	2.87E-09	6.12E-01	1.57E-01	2.76E-10	1.0E+06	2.8E-04				5	5.49E-07			
34	0.03454	7.87E-05	2.7E-06	1.05E-03	2.84E-09	6.12E-01	1.57E-01	2.73E-10	1.0E+06	2.7E-04				5	5.44E-07			
35	0.03344	7.87E-05	2.6E-06	1.05E-03	2.75E-09	6.12E-01	1.57E-01	2.65E-10	1.0E+06	2.6E-04				5	5.27E-07			
36	0.03169	7.87E-05	2.5E-06	1.05E-03	2.61E-09	6.12E-01	1.57E-01	2.51E-10	1.0E+06	2.5E-04				5	4.99E-07			
37	0.02946	7.87E-05	2.3E-06	1.05E-03	2.42E-09	6.12E-01	1.57E-01	2.33E-10	1.0E+06	2.3E-04				5	4.64E-07			
38	0.02697	7.87E-05	2.1E-06	1.05E-03	2.22E-09	6.12E-01	1.57E-01	2.13E-10	1.0E+06	2.1E-04				5	4.25E-07			
39	0.02445	7.87E-05	1.9E-06	1.05E-03	2.01E-09	6.12E-01	1.57E-01	1.94E-10	1.0E+06	1.9E-04				5	3.85E-07			
40	0.02208	7.87E-05	1.7E-06	1.05E-03	1.82E-09	6.12E-01	1.57E-01	1.75E-10	1.0E+06	1.7E-04				5	3.48E-07			
41	0.01996	7.87E-05	1.6E-06	1.05E-03	1.64E-09	6.12E-01	1.57E-01	1.58E-10	1.0E+06	1.6E-04				5	3.14E-07			
42	0.01811	7.87E-05	1.4E-06	1.05E-03	1.49E-09	6.12E-01	1.57E-01	1.43E-10	1.0E+06	1.4E-04				5	2.85E-07			
43	0.01654	7.87E-05	1.3E-06	1.05E-03	1.36E-09	6.12E-01	1.57E-01	1.31E-10	1.0E+06	1.3E-04				5	2.61E-07			
44	0.01524	7.87E-05	1.2E-06	1.05E-03	1.25E-09	6.12E-01	1.57E-01	1.21E-10	1.0E+06	1.2E-04				5	2.40E-07			
45	0.01755	7.87E-05	1.4E-06	1.05E-03	1.44E-09	6.12E-01	1.57E-01	1.39E-10	1.0E+06	1.4E-04				5	2.76E-07			
46	0.0198	7.87E-05	1.6E-06	1.05E-03	1.63E-09	6.12E-01	1.57E-01	1.57E-10	1.0E+06	1.6E-04				5	3.12E-07			
47	0.02249	7.87E-05	1.8E-06	1.05E-03	1.85E-09	6.12E-01	1.57E-01	1.78E-10	1.0E+06	1.8E-04				5	3.54E-07			
48	0.02563	7.87E-05	2.0E-06	1.05E-03	2.11E-09	6.12E-01	1.57E-01	2.03E-10	1.0E+06	2.0E-04				5	4.04E-07			
49	0.02921	7.87E-05	2.3E-06	1.05E-03	2.40E-09	6.12E-01	1.57E-01	2.31E-10	1.0E+06	2.3E-04				5	4.60E-07			

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
50	0.03311	7.87E-05	2.6E-06	1.05E-03	2.73E-09	6.12E-01	1.57E-01	2.62E-10	1.0E+06	2.6E-04	5	5.21E-07
51	0.03707	7.87E-05	2.9E-06	1.05E-03	3.05E-09	6.12E-01	1.57E-01	2.93E-10	1.0E+06	2.9E-04	5	5.84E-07
52	0.04077	7.87E-05	3.2E-06	1.05E-03	3.36E-09	6.12E-01	1.57E-01	3.23E-10	1.0E+06	3.2E-04	5	6.42E-07
53	0.0438	7.87E-05	3.4E-06	1.05E-03	3.61E-09	6.12E-01	1.57E-01	3.47E-10	1.0E+06	3.5E-04	5	6.90E-07
54	0.04584	7.87E-05	3.6E-06	1.05E-03	3.77E-09	6.12E-01	1.57E-01	3.63E-10	1.0E+06	3.6E-04	5	7.22E-07
55	0.04665	7.87E-05	3.7E-06	1.05E-03	3.84E-09	6.12E-01	1.57E-01	3.69E-10	1.0E+06	3.7E-04	5	7.35E-07
56	0.04611	7.87E-05	3.6E-06	1.05E-03	3.80E-09	6.12E-01	1.57E-01	3.65E-10	1.0E+06	3.6E-04	5	7.26E-07
57	0.0443	7.87E-05	3.5E-06	1.05E-03	3.65E-09	6.12E-01	1.57E-01	3.51E-10	1.0E+06	3.5E-04	5	6.98E-07
58	0.04138	7.87E-05	3.3E-06	1.05E-03	3.41E-09	6.12E-01	1.57E-01	3.28E-10	1.0E+06	3.3E-04	5	6.52E-07
59	0.03776	7.87E-05	3.0E-06	1.05E-03	3.11E-09	6.12E-01	1.57E-01	2.99E-10	1.0E+06	3.0E-04	5	5.95E-07
60	0.03382	7.87E-05	2.7E-06	1.05E-03	2.78E-09	6.12E-01	1.57E-01	2.68E-10	1.0E+06	2.7E-04	5	5.33E-07
61	0.02998	7.87E-05	2.4E-06	1.05E-03	2.47E-09	6.12E-01	1.57E-01	2.37E-10	1.0E+06	2.4E-04	5	4.72E-07
62	0.02652	7.87E-05	2.1E-06	1.05E-03	2.18E-09	6.12E-01	1.57E-01	2.10E-10	1.0E+06	2.1E-04	5	4.18E-07
63	0.02357	7.87E-05	1.9E-06	1.05E-03	1.94E-09	6.12E-01	1.57E-01	1.87E-10	1.0E+06	1.9E-04	5	3.71E-07
64	0.02112	7.87E-05	1.7E-06	1.05E-03	1.74E-09	6.12E-01	1.57E-01	1.67E-10	1.0E+06	1.7E-04	5	3.33E-07
65	0.01912	7.87E-05	1.5E-06	1.05E-03	1.57E-09	6.12E-01	1.57E-01	1.51E-10	1.0E+06	1.5E-04	5	3.01E-07
66	0.01748	7.87E-05	1.4E-06	1.05E-03	1.44E-09	6.12E-01	1.57E-01	1.38E-10	1.0E+06	1.4E-04	5	2.75E-07
67	0.01938	7.87E-05	1.5E-06	1.05E-03	1.60E-09	6.12E-01	1.57E-01	1.53E-10	1.0E+06	1.5E-04	5	3.05E-07
68	0.02236	7.87E-05	1.8E-06	1.05E-03	1.84E-09	6.12E-01	1.57E-01	1.77E-10	1.0E+06	1.8E-04	5	3.52E-07
69	0.02605	7.87E-05	2.1E-06	1.05E-03	2.14E-09	6.12E-01	1.57E-01	2.06E-10	1.0E+06	2.1E-04	5	4.10E-07
70	0.03064	7.87E-05	2.4E-06	1.05E-03	2.52E-09	6.12E-01	1.57E-01	2.43E-10	1.0E+06	2.4E-04	5	4.83E-07
71	0.03617	7.87E-05	2.8E-06	1.05E-03	2.98E-09	6.12E-01	1.57E-01	2.86E-10	1.0E+06	2.9E-04	5	5.70E-07
72	0.04253	7.87E-05	3.3E-06	1.05E-03	3.50E-09	6.12E-01	1.57E-01	3.37E-10	1.0E+06	3.4E-04	5	6.70E-07
73	0.04927	7.87E-05	3.9E-06	1.05E-03	4.06E-09	6.12E-01	1.57E-01	3.90E-10	1.0E+06	3.9E-04	5	7.76E-07
74	0.05574	7.87E-05	4.4E-06	1.05E-03	4.59E-09	6.12E-01	1.57E-01	4.41E-10	1.0E+06	4.4E-04	5	8.78E-07
75	0.06109	7.87E-05	4.8E-06	1.05E-03	5.03E-09	6.12E-01	1.57E-01	4.84E-10	1.0E+06	4.8E-04	5	9.62E-07
76	0.06471	7.87E-05	5.1E-06	1.05E-03	5.33E-09	6.12E-01	1.57E-01	5.12E-10	1.0E+06	5.1E-04	5	1.02E-06
77	0.06618	7.87E-05	5.2E-06	1.05E-03	5.45E-09	6.12E-01	1.57E-01	5.24E-10	1.0E+06	5.2E-04	5	1.04E-06
78	0.06532	7.87E-05	5.1E-06	1.05E-03	5.38E-09	6.12E-01	1.57E-01	5.17E-10	1.0E+06	5.2E-04	5	1.03E-06
79	0.06222	7.87E-05	4.9E-06	1.05E-03	5.12E-09	6.12E-01	1.57E-01	4.93E-10	1.0E+06	4.9E-04	5	9.80E-07
80	0.05715	7.87E-05	4.5E-06	1.05E-03	4.70E-09	6.12E-01	1.57E-01	4.52E-10	1.0E+06	4.5E-04	5	9.00E-07
81	0.05084	7.87E-05	4.0E-06	1.05E-03	4.18E-09	6.12E-01	1.57E-01	4.02E-10	1.0E+06	4.0E-04	5	8.01E-07
82	0.0442	7.87E-05	3.5E-06	1.05E-03	3.64E-09	6.12E-01	1.57E-01	3.50E-10	1.0E+06	3.5E-04	5	6.96E-07
83	0.03807	7.87E-05	3.0E-06	1.05E-03	3.13E-09	6.12E-01	1.57E-01	3.01E-10	1.0E+06	3.0E-04	5	6.00E-07
84	0.03287	7.87E-05	2.6E-06	1.05E-03	2.71E-09	6.12E-01	1.57E-01	2.60E-10	1.0E+06	2.6E-04	5	5.18E-07
85	0.02868	7.87E-05	2.3E-06	1.05E-03	2.36E-09	6.12E-01	1.57E-01	2.27E-10	1.0E+06	2.3E-04	5	4.52E-07
86	0.02537	7.87E-05	2.0E-06	1.05E-03	2.09E-09	6.12E-01	1.57E-01	2.01E-10	1.0E+06	2.0E-04	5	4.00E-07
87	0.02274	7.87E-05	1.8E-06	1.05E-03	1.87E-09	6.12E-01	1.57E-01	1.80E-10	1.0E+06	1.8E-04	5	3.58E-07
88	0.02064	7.87E-05	1.6E-06	1.05E-03	1.70E-09	6.12E-01	1.57E-01	1.63E-10	1.0E+06	1.6E-04	5	3.25E-07
89	0.02128	7.87E-05	1.7E-06	1.05E-03	1.75E-09	6.12E-01	1.57E-01	1.68E-10	1.0E+06	1.7E-04	5	3.35E-07
90	0.02519	7.87E-05	2.0E-06	1.05E-03	2.07E-09	6.12E-01	1.57E-01	1.99E-10	1.0E+06	2.0E-04	5	3.97E-07
91	0.0303	7.87E-05	2.4E-06	1.05E-03	2.49E-09	6.12E-01	1.57E-01	2.40E-10	1.0E+06	2.4E-04	5	4.77E-07
92	0.03704	7.87E-05	2.9E-06	1.05E-03	3.05E-09	6.12E-01	1.57E-01	2.93E-10	1.0E+06	2.9E-04	5	5.83E-07
93	0.04587	7.87E-05	3.6E-06	1.05E-03	3.78E-09	6.12E-01	1.57E-01	3.63E-10	1.0E+06	3.6E-04	5	7.22E-07
94	0.05698	7.87E-05	4.5E-06	1.05E-03	4.69E-09	6.12E-01	1.57E-01	4.51E-10	1.0E+06	4.5E-04	5	8.97E-07
95	0.06947	7.87E-05	5.5E-06	1.05E-03	5.72E-09	6.12E-01	1.57E-01	5.50E-10	1.0E+06	5.5E-04	5	1.09E-06
96	0.0817	7.87E-05	6.4E-06	1.05E-03	6.72E-09	6.12E-01	1.57E-01	6.47E-10	1.0E+06	6.5E-04	5	1.29E-06
97	0.0918	7.87E-05	7.2E-06	1.05E-03	7.56E-09	6.12E-01	1.57E-01	7.27E-10	1.0E+06	7.3E-04	5	1.45E-06
98	0.09865	7.87E-05	7.8E-06	1.05E-03	8.12E-09	6.12E-01	1.57E-01	7.81E-10	1.0E+06	7.8E-04	5	1.55E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
99	0.10172	7.87E-05	8.0E-06	1.05E-03	8.37E-09	6.12E-01	1.57E-01	8.05E-10	1.0E+06	8.1E-04	5	1.60E-06
100	0.10055	7.87E-05	7.9E-06	1.05E-03	8.28E-09	6.12E-01	1.57E-01	7.96E-10	1.0E+06	8.0E-04	5	1.58E-06
101	0.09497	7.87E-05	7.5E-06	1.05E-03	7.82E-09	6.12E-01	1.57E-01	7.52E-10	1.0E+06	7.5E-04	5	1.50E-06
102	0.08541	7.87E-05	6.7E-06	1.05E-03	7.03E-09	6.12E-01	1.57E-01	6.76E-10	1.0E+06	6.8E-04	5	1.35E-06
103	0.07338	7.87E-05	5.8E-06	1.05E-03	6.04E-09	6.12E-01	1.57E-01	5.81E-10	1.0E+06	5.8E-04	5	1.16E-06
104	0.06125	7.87E-05	4.8E-06	1.05E-03	5.04E-09	6.12E-01	1.57E-01	4.85E-10	1.0E+06	4.8E-04	5	9.65E-07
105	0.05078	7.87E-05	4.0E-06	1.05E-03	4.18E-09	6.12E-01	1.57E-01	4.02E-10	1.0E+06	4.0E-04	5	8.00E-07
106	0.04261	7.87E-05	3.4E-06	1.05E-03	3.51E-09	6.12E-01	1.57E-01	3.37E-10	1.0E+06	3.4E-04	5	6.71E-07
107	0.03645	7.87E-05	2.9E-06	1.05E-03	3.00E-09	6.12E-01	1.57E-01	2.89E-10	1.0E+06	2.9E-04	5	5.74E-07
108	0.03179	7.87E-05	2.5E-06	1.05E-03	2.62E-09	6.12E-01	1.57E-01	2.52E-10	1.0E+06	2.5E-04	5	5.01E-07
109	0.02818	7.87E-05	2.2E-06	1.05E-03	2.32E-09	6.12E-01	1.57E-01	2.23E-10	1.0E+06	2.2E-04	5	4.44E-07
110	0.02531	7.87E-05	2.0E-06	1.05E-03	2.08E-09	6.12E-01	1.57E-01	2.00E-10	1.0E+06	2.0E-04	5	3.99E-07
111	0.02308	7.87E-05	1.8E-06	1.05E-03	1.90E-09	6.12E-01	1.57E-01	1.83E-10	1.0E+06	1.8E-04	5	3.64E-07
112	0.02811	7.87E-05	2.2E-06	1.05E-03	2.31E-09	6.12E-01	1.57E-01	2.23E-10	1.0E+06	2.2E-04	5	4.43E-07
113	0.03493	7.87E-05	2.8E-06	1.05E-03	2.88E-09	6.12E-01	1.57E-01	2.76E-10	1.0E+06	2.8E-04	5	5.50E-07
114	0.0449	7.87E-05	3.5E-06	1.05E-03	3.70E-09	6.12E-01	1.57E-01	3.55E-10	1.0E+06	3.6E-04	5	7.07E-07
115	0.05977	7.87E-05	4.7E-06	1.05E-03	4.92E-09	6.12E-01	1.57E-01	4.73E-10	1.0E+06	4.7E-04	5	9.41E-07
116	0.08075	7.87E-05	6.4E-06	1.05E-03	6.65E-09	6.12E-01	1.57E-01	6.39E-10	1.0E+06	6.4E-04	5	1.27E-06
117	0.10687	7.87E-05	8.4E-06	1.05E-03	8.80E-09	6.12E-01	1.57E-01	8.46E-10	1.0E+06	8.5E-04	5	1.68E-06
118	0.13317	7.87E-05	1.0E-05	1.05E-03	1.10E-08	6.12E-01	1.57E-01	1.05E-09	1.0E+06	1.1E-03	5	2.10E-06
119	0.15411	7.87E-05	1.2E-05	1.05E-03	1.27E-08	6.12E-01	1.57E-01	1.22E-09	1.0E+06	1.2E-03	5	2.43E-06
120	0.16804	7.87E-05	1.3E-05	1.05E-03	1.38E-08	6.12E-01	1.57E-01	1.33E-09	1.0E+06	1.3E-03	5	2.65E-06
121	0.17533	7.87E-05	1.4E-05	1.05E-03	1.44E-08	6.12E-01	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5	2.76E-06
122	0.17468	7.87E-05	1.4E-05	1.05E-03	1.44E-08	6.12E-01	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5	2.75E-06
123	0.16438	7.87E-05	1.3E-05	1.05E-03	1.35E-08	6.12E-01	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5	2.59E-06
124	0.14421	7.87E-05	1.1E-05	1.05E-03	1.19E-08	6.12E-01	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.27E-06
125	0.1176	7.87E-05	9.3E-06	1.05E-03	9.68E-09	6.12E-01	1.57E-01	9.31E-10	1.0E+06	9.3E-04	5	1.85E-06
126	0.09217	7.87E-05	7.3E-06	1.05E-03	7.59E-09	6.12E-01	1.57E-01	7.30E-10	1.0E+06	7.3E-04	5	1.45E-06
127	0.07265	7.87E-05	5.7E-06	1.05E-03	5.98E-09	6.12E-01	1.57E-01	5.75E-10	1.0E+06	5.8E-04	5	1.14E-06
128	0.05894	7.87E-05	4.6E-06	1.05E-03	4.85E-09	6.12E-01	1.57E-01	4.67E-10	1.0E+06	4.7E-04	5	9.28E-07
129	0.04926	7.87E-05	3.9E-06	1.05E-03	4.05E-09	6.12E-01	1.57E-01	3.90E-10	1.0E+06	3.9E-04	5	7.76E-07
130	0.04212	7.87E-05	3.3E-06	1.05E-03	3.47E-09	6.12E-01	1.57E-01	3.33E-10	1.0E+06	3.3E-04	5	6.63E-07
131	0.03667	7.87E-05	2.9E-06	1.05E-03	3.02E-09	6.12E-01	1.57E-01	2.90E-10	1.0E+06	2.9E-04	5	5.78E-07
132	0.03235	7.87E-05	2.5E-06	1.05E-03	2.66E-09	6.12E-01	1.57E-01	2.56E-10	1.0E+06	2.6E-04	5	5.10E-07
133	0.02458	7.87E-05	1.9E-06	1.05E-03	2.02E-09	6.12E-01	1.57E-01	1.95E-10	1.0E+06	1.9E-04	5	3.87E-07
134	0.03059	7.87E-05	2.4E-06	1.05E-03	2.52E-09	6.12E-01	1.57E-01	2.42E-10	1.0E+06	2.4E-04	5	4.82E-07
135	0.03959	7.87E-05	3.1E-06	1.05E-03	3.26E-09	6.12E-01	1.57E-01	3.13E-10	1.0E+06	3.1E-04	5	6.24E-07
136	0.05435	7.87E-05	4.3E-06	1.05E-03	4.47E-09	6.12E-01	1.57E-01	4.30E-10	1.0E+06	4.3E-04	5	8.56E-07
137	0.07955	7.87E-05	6.3E-06	1.05E-03	6.55E-09	6.12E-01	1.57E-01	6.30E-10	1.0E+06	6.3E-04	5	1.25E-06
138	0.12284	7.87E-05	9.7E-06	1.05E-03	1.01E-08	6.12E-01	1.57E-01	9.72E-10	1.0E+06	9.7E-04	5	1.93E-06
139	0.19239	7.87E-05	1.5E-05	1.05E-03	1.58E-08	6.12E-01	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5	3.03E-06
140	0.26503	7.87E-05	2.1E-05	1.05E-03	2.18E-08	6.12E-01	1.57E-01	2.10E-09	1.0E+06	2.1E-03	5	4.17E-06
141	0.31576	7.87E-05	2.5E-05	1.05E-03	2.60E-08	6.12E-01	1.57E-01	2.50E-09	1.0E+06	2.5E-03	5	4.97E-06
142	0.34621	7.87E-05	2.7E-05	1.05E-03	2.85E-08	6.12E-01	1.57E-01	2.74E-09	1.0E+06	2.7E-03	5	5.45E-06
143	0.3703	7.87E-05	2.9E-05	1.05E-03	3.05E-08	6.12E-01	1.57E-01	2.93E-09	1.0E+06	2.9E-03	5	5.83E-06
144	0.3737	7.87E-05	2.9E-05	1.05E-03	3.08E-08	6.12E-01	1.57E-01	2.96E-09	1.0E+06	3.0E-03	5	5.89E-06
145	0.35451	7.87E-05	2.8E-05	1.05E-03	2.92E-08	6.12E-01	1.57E-01	2.81E-09	1.0E+06	2.8E-03	5	5.58E-06
146	0.30384	7.87E-05	2.4E-05	1.05E-03	2.50E-08	6.12E-01	1.57E-01	2.41E-09	1.0E+06	2.4E-03	5	4.79E-06
147	0.22471	7.87E-05	1.8E-05	1.05E-03	1.85E-08	6.12E-01	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5	3.54E-06

9th and Vineyard
- Paving Risk

					Cancer Risk from Birth to 2 Years						*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
148	0.15714	7.87E-05	1.2E-05	1.05E-03	1.29E-08	6.12E-01	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	2.47E-06
149	0.11508	7.87E-05	9.1E-06	1.05E-03	9.47E-09	6.12E-01	1.57E-01	9.11E-10	1.0E+06	9.1E-04	5	1.81E-06
150	0.089	7.87E-05	7.0E-06	1.05E-03	7.33E-09	6.12E-01	1.57E-01	7.05E-10	1.0E+06	7.0E-04	5	1.40E-06
151	0.07149	7.87E-05	5.6E-06	1.05E-03	5.88E-09	6.12E-01	1.57E-01	5.66E-10	1.0E+06	5.7E-04	5	1.13E-06
152	0.05903	7.87E-05	4.6E-06	1.05E-03	4.86E-09	6.12E-01	1.57E-01	4.67E-10	1.0E+06	4.7E-04	5	9.30E-07
153	0.04981	7.87E-05	3.9E-06	1.05E-03	4.10E-09	6.12E-01	1.57E-01	3.94E-10	1.0E+06	3.9E-04	5	7.84E-07
154	0.04276	7.87E-05	3.4E-06	1.05E-03	3.52E-09	6.12E-01	1.57E-01	3.38E-10	1.0E+06	3.4E-04	5	6.73E-07
155	0.02548	7.87E-05	2.0E-06	1.05E-03	2.10E-09	6.12E-01	1.57E-01	2.02E-10	1.0E+06	2.0E-04	5	4.01E-07
156	0.03233	7.87E-05	2.5E-06	1.05E-03	2.66E-09	6.12E-01	1.57E-01	2.56E-10	1.0E+06	2.6E-04	5	5.09E-07
157	0.04354	7.87E-05	3.4E-06	1.05E-03	3.58E-09	6.12E-01	1.57E-01	3.45E-10	1.0E+06	3.4E-04	5	6.86E-07
158	0.0626	7.87E-05	4.9E-06	1.05E-03	5.15E-09	6.12E-01	1.57E-01	4.96E-10	1.0E+06	5.0E-04	5	9.86E-07
159	0.10146	7.87E-05	8.0E-06	1.05E-03	8.35E-09	6.12E-01	1.57E-01	8.03E-10	1.0E+06	8.0E-04	5	1.60E-06
160	0.19626	7.87E-05	1.5E-05	1.05E-03	1.62E-08	6.12E-01	1.57E-01	1.55E-09	1.0E+06	1.6E-03	5	3.09E-06
161	0.52811	7.87E-05	4.2E-05	1.05E-03	4.35E-08	6.12E-01	1.57E-01	4.18E-09	1.0E+06	4.2E-03	5	8.32E-06
162	0.95064	7.87E-05	7.5E-05	1.05E-03	7.82E-08	6.12E-01	1.57E-01	7.53E-09	1.0E+06	7.5E-03	5	1.50E-05
163	1.14754	7.87E-05	9.0E-05	1.05E-03	9.45E-08	6.12E-01	1.57E-01	9.08E-09	1.0E+06	9.1E-03	5	1.81E-05
164	1.14449	7.87E-05	9.0E-05	1.05E-03	9.42E-08	6.12E-01	1.57E-01	9.06E-09	1.0E+06	9.1E-03	5	1.80E-05
165	1.38235	7.87E-05	1.1E-04	1.05E-03	1.14E-07	6.12E-01	1.57E-01	1.09E-08	1.0E+06	1.1E-02	5	2.18E-05
166	1.3436	7.87E-05	1.1E-04	1.05E-03	1.11E-07	6.12E-01	1.57E-01	1.06E-08	1.0E+06	1.1E-02	5	2.12E-05
167	1.32059	7.87E-05	1.0E-04	1.05E-03	1.09E-07	6.12E-01	1.57E-01	1.05E-08	1.0E+06	1.0E-02	5	2.08E-05
168	1.14738	7.87E-05	9.0E-05	1.05E-03	9.44E-08	6.12E-01	1.57E-01	9.08E-09	1.0E+06	9.1E-03	5	1.81E-05
169	0.63435	7.87E-05	5.0E-05	1.05E-03	5.22E-08	6.12E-01	1.57E-01	5.02E-09	1.0E+06	5.0E-03	5	9.99E-06
170	0.3222	7.87E-05	2.5E-05	1.05E-03	2.65E-08	6.12E-01	1.57E-01	2.55E-09	1.0E+06	2.6E-03	5	5.07E-06
171	0.20423	7.87E-05	1.6E-05	1.05E-03	1.68E-08	6.12E-01	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5	3.22E-06
172	0.14381	7.87E-05	1.1E-05	1.05E-03	1.18E-08	6.12E-01	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.26E-06
173	0.1081	7.87E-05	8.5E-06	1.05E-03	8.90E-09	6.12E-01	1.57E-01	8.56E-10	1.0E+06	8.6E-04	5	1.70E-06
174	0.0848	7.87E-05	6.7E-06	1.05E-03	6.98E-09	6.12E-01	1.57E-01	6.71E-10	1.0E+06	6.7E-04	5	1.34E-06
175	0.06864	7.87E-05	5.4E-06	1.05E-03	5.65E-09	6.12E-01	1.57E-01	5.43E-10	1.0E+06	5.4E-04	5	1.08E-06
176	0.05698	7.87E-05	4.5E-06	1.05E-03	4.69E-09	6.12E-01	1.57E-01	4.51E-10	1.0E+06	4.5E-04	5	8.97E-07
177	0.02626	7.87E-05	2.1E-06	1.05E-03	2.16E-09	6.12E-01	1.57E-01	2.08E-10	1.0E+06	2.1E-04	5	4.14E-07
178	0.03372	7.87E-05	2.7E-06	1.05E-03	2.78E-09	6.12E-01	1.57E-01	2.67E-10	1.0E+06	2.7E-04	5	5.31E-07
179	0.04619	7.87E-05	3.6E-06	1.05E-03	3.80E-09	6.12E-01	1.57E-01	3.66E-10	1.0E+06	3.7E-04	5	7.27E-07
180	0.06932	7.87E-05	5.5E-06	1.05E-03	5.71E-09	6.12E-01	1.57E-01	5.49E-10	1.0E+06	5.5E-04	5	1.09E-06
181	0.12019	7.87E-05	9.5E-06	1.05E-03	9.89E-09	6.12E-01	1.57E-01	9.51E-10	1.0E+06	9.5E-04	5	1.89E-06
182	0.27703	7.87E-05	2.2E-05	1.05E-03	2.28E-08	6.12E-01	1.57E-01	2.19E-09	1.0E+06	2.2E-03	5	4.36E-06
183	1.76771	7.87E-05	1.4E-04	1.05E-03	1.45E-07	6.12E-01	1.57E-01	1.40E-08	1.0E+06	1.4E-02	5	2.78E-05
184	2.02166	7.87E-05	1.6E-04	1.05E-03	1.66E-07	6.12E-01	1.57E-01	1.60E-08	1.0E+06	1.6E-02	5	3.18E-05
185	0.64685	7.87E-05	5.1E-05	1.05E-03	5.32E-08	6.12E-01	1.57E-01	5.12E-09	1.0E+06	5.1E-03	5	1.02E-05
186	0.34727	7.87E-05	2.7E-05	1.05E-03	2.86E-08	6.12E-01	1.57E-01	2.75E-09	1.0E+06	2.7E-03	5	5.47E-06
187	0.22322	7.87E-05	1.8E-05	1.05E-03	1.84E-08	6.12E-01	1.57E-01	1.77E-09	1.0E+06	1.8E-03	5	3.52E-06
188	0.15755	7.87E-05	1.2E-05	1.05E-03	1.30E-08	6.12E-01	1.57E-01	1.25E-09	1.0E+06	1.2E-03	5	2.48E-06
189	0.11785	7.87E-05	9.3E-06	1.05E-03	9.70E-09	6.12E-01	1.57E-01	9.33E-10	1.0E+06	9.3E-04	5	1.86E-06
190	0.09196	7.87E-05	7.2E-06	1.05E-03	7.57E-09	6.12E-01	1.57E-01	7.28E-10	1.0E+06	7.3E-04	5	1.45E-06
191	0.07411	7.87E-05	5.8E-06	1.05E-03	6.10E-09	6.12E-01	1.57E-01	5.87E-10	1.0E+06	5.9E-04	5	1.17E-06
192	0.02656	7.87E-05	2.1E-06	1.05E-03	2.19E-09	6.12E-01	1.57E-01	2.10E-10	1.0E+06	2.1E-04	5	4.18E-07
193	0.03404	7.87E-05	2.7E-06	1.05E-03	2.80E-09	6.12E-01	1.57E-01	2.69E-10	1.0E+06	2.7E-04	5	5.36E-07
194	0.04653	7.87E-05	3.7E-06	1.05E-03	3.83E-09	6.12E-01	1.57E-01	3.68E-10	1.0E+06	3.7E-04	5	7.33E-07
195	0.06954	7.87E-05	5.5E-06	1.05E-03	5.72E-09	6.12E-01	1.57E-01	5.50E-10	1.0E+06	5.5E-04	5	1.10E-06
196	0.12065	7.87E-05	9.5E-06	1.05E-03	9.93E-09	6.12E-01	1.57E-01	9.55E-10	1.0E+06	9.6E-04	5	1.90E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
197	0.27422	7.87E-05	2.2E-05	1.05E-03	2.26E-08	6.12E-01	1.57E-01	2.17E-09	1.0E+06	2.2E-03	5	4.32E-06
198	1.76698	7.87E-05	1.4E-04	1.05E-03	1.45E-07	6.12E-01	1.57E-01	1.40E-08	1.0E+06	1.4E-02	5	2.78E-05
199	2.25993	7.87E-05	1.8E-04	1.05E-03	1.86E-07	6.12E-01	1.57E-01	1.79E-08	1.0E+06	1.8E-02	5	3.56E-05
200	1.86874	7.87E-05	1.5E-04	1.05E-03	1.54E-07	6.12E-01	1.57E-01	1.48E-08	1.0E+06	1.5E-02	5	2.94E-05
201	0.819	7.87E-05	6.4E-05	1.05E-03	6.74E-08	6.12E-01	1.57E-01	6.48E-09	1.0E+06	6.5E-03	5	1.29E-05
202	0.46139	7.87E-05	3.6E-05	1.05E-03	3.80E-08	6.12E-01	1.57E-01	3.65E-09	1.0E+06	3.7E-03	5	7.27E-06
203	0.2942	7.87E-05	2.3E-05	1.05E-03	2.42E-08	6.12E-01	1.57E-01	2.33E-09	1.0E+06	2.3E-03	5	4.63E-06
204	0.20407	7.87E-05	1.6E-05	1.05E-03	1.68E-08	6.12E-01	1.57E-01	1.62E-09	1.0E+06	1.6E-03	5	3.21E-06
205	0.14993	7.87E-05	1.2E-05	1.05E-03	1.23E-08	6.12E-01	1.57E-01	1.19E-09	1.0E+06	1.2E-03	5	2.36E-06
206	0.115	7.87E-05	9.1E-06	1.05E-03	9.47E-09	6.12E-01	1.57E-01	9.10E-10	1.0E+06	9.1E-04	5	1.81E-06
207	0.09116	7.87E-05	7.2E-06	1.05E-03	7.50E-09	6.12E-01	1.57E-01	7.22E-10	1.0E+06	7.2E-04	5	1.44E-06
208	0.02649	7.87E-05	2.1E-06	1.05E-03	2.18E-09	6.12E-01	1.57E-01	2.10E-10	1.0E+06	2.1E-04	5	4.17E-07
209	0.03366	7.87E-05	2.7E-06	1.05E-03	2.77E-09	6.12E-01	1.57E-01	2.66E-10	1.0E+06	2.7E-04	5	5.30E-07
210	0.04492	7.87E-05	3.5E-06	1.05E-03	3.70E-09	6.12E-01	1.57E-01	3.56E-10	1.0E+06	3.6E-04	5	7.07E-07
211	0.06498	7.87E-05	5.1E-06	1.05E-03	5.35E-09	6.12E-01	1.57E-01	5.14E-10	1.0E+06	5.1E-04	5	1.02E-06
212	0.10392	7.87E-05	8.2E-06	1.05E-03	8.55E-09	6.12E-01	1.57E-01	8.23E-10	1.0E+06	8.2E-04	5	1.64E-06
213	0.19656	7.87E-05	1.5E-05	1.05E-03	1.62E-08	6.12E-01	1.57E-01	1.56E-09	1.0E+06	1.6E-03	5	3.10E-06
214	0.4953	7.87E-05	3.9E-05	1.05E-03	4.08E-08	6.12E-01	1.57E-01	3.92E-09	1.0E+06	3.9E-03	5	7.80E-06
215	1.05755	7.87E-05	8.3E-05	1.05E-03	8.70E-08	6.12E-01	1.57E-01	8.37E-09	1.0E+06	8.4E-03	5	1.67E-05
216	1.23806	7.87E-05	9.7E-05	1.05E-03	1.02E-07	6.12E-01	1.57E-01	9.80E-09	1.0E+06	9.8E-03	5	1.95E-05
217	1.06867	7.87E-05	8.4E-05	1.05E-03	8.80E-08	6.12E-01	1.57E-01	8.46E-09	1.0E+06	8.5E-03	5	1.68E-05
218	2.8323	7.87E-05	2.2E-04	1.05E-03	2.33E-07	6.12E-01	1.57E-01	2.24E-08	1.0E+06	2.2E-02	5	4.46E-05
219	1.2335	7.87E-05	9.7E-05	1.05E-03	1.02E-07	6.12E-01	1.57E-01	9.76E-09	1.0E+06	9.8E-03	5	1.94E-05
220	0.72626	7.87E-05	5.7E-05	1.05E-03	5.98E-08	6.12E-01	1.57E-01	5.75E-09	1.0E+06	5.7E-03	5	1.14E-05
221	0.46623	7.87E-05	3.7E-05	1.05E-03	3.84E-08	6.12E-01	1.57E-01	3.69E-09	1.0E+06	3.7E-03	5	7.34E-06
222	0.31748	7.87E-05	2.5E-05	1.05E-03	2.61E-08	6.12E-01	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5	5.00E-06
223	0.22738	7.87E-05	1.8E-05	1.05E-03	1.87E-08	6.12E-01	1.57E-01	1.80E-09	1.0E+06	1.8E-03	5	3.58E-06
224	0.16979	7.87E-05	1.3E-05	1.05E-03	1.40E-08	6.12E-01	1.57E-01	1.34E-09	1.0E+06	1.3E-03	5	2.67E-06
225	0.13119	7.87E-05	1.0E-05	1.05E-03	1.08E-08	6.12E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.07E-06
226	0.10421	7.87E-05	8.2E-06	1.05E-03	8.58E-09	6.12E-01	1.57E-01	8.25E-10	1.0E+06	8.2E-04	5	1.64E-06
227	0.02601	7.87E-05	2.0E-06	1.05E-03	2.14E-09	6.12E-01	1.57E-01	2.06E-10	1.0E+06	2.1E-04	5	4.10E-07
228	0.03247	7.87E-05	2.6E-06	1.05E-03	2.67E-09	6.12E-01	1.57E-01	2.57E-10	1.0E+06	2.6E-04	5	5.11E-07
229	0.04222	7.87E-05	3.3E-06	1.05E-03	3.48E-09	6.12E-01	1.57E-01	3.34E-10	1.0E+06	3.3E-04	5	6.65E-07
230	0.05776	7.87E-05	4.5E-06	1.05E-03	4.75E-09	6.12E-01	1.57E-01	4.57E-10	1.0E+06	4.6E-04	5	9.10E-07
231	0.08368	7.87E-05	6.6E-06	1.05E-03	6.89E-09	6.12E-01	1.57E-01	6.62E-10	1.0E+06	6.6E-04	5	1.32E-06
232	0.12764	7.87E-05	1.0E-05	1.05E-03	1.05E-08	6.12E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	2.01E-06
233	0.20256	7.87E-05	1.6E-05	1.05E-03	1.67E-08	6.12E-01	1.57E-01	1.60E-09	1.0E+06	1.6E-03	5	3.19E-06
234	0.30255	7.87E-05	2.4E-05	1.05E-03	2.49E-08	6.12E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	4.77E-06
235	0.40492	7.87E-05	3.2E-05	1.05E-03	3.33E-08	6.12E-01	1.57E-01	3.21E-09	1.0E+06	3.2E-03	5	6.38E-06
236	0.50737	7.87E-05	4.0E-05	1.05E-03	4.18E-08	6.12E-01	1.57E-01	4.02E-09	1.0E+06	4.0E-03	5	7.99E-06
237	0.73441	7.87E-05	5.8E-05	1.05E-03	6.04E-08	6.12E-01	1.57E-01	5.81E-09	1.0E+06	5.8E-03	5	1.16E-05
238	1.15869	7.87E-05	9.1E-05	1.05E-03	9.54E-08	6.12E-01	1.57E-01	9.17E-09	1.0E+06	9.2E-03	5	1.82E-05
239	1.33024	7.87E-05	1.0E-04	1.05E-03	1.09E-07	6.12E-01	1.57E-01	1.05E-08	1.0E+06	1.1E-02	5	2.10E-05
240	1.0895	7.87E-05	8.6E-05	1.05E-03	8.97E-08	6.12E-01	1.57E-01	8.62E-09	1.0E+06	8.6E-03	5	1.72E-05
241	0.75955	7.87E-05	6.0E-05	1.05E-03	6.25E-08	6.12E-01	1.57E-01	6.01E-09	1.0E+06	6.0E-03	5	1.20E-05
242	0.53889	7.87E-05	4.2E-05	1.05E-03	4.44E-08	6.12E-01	1.57E-01	4.27E-09	1.0E+06	4.3E-03	5	8.49E-06
243	0.39177	7.87E-05	3.1E-05	1.05E-03	3.22E-08	6.12E-01	1.57E-01	3.10E-09	1.0E+06	3.1E-03	5	6.17E-06
244	0.29118	7.87E-05	2.3E-05	1.05E-03	2.40E-08	6.12E-01	1.57E-01	2.30E-09	1.0E+06	2.3E-03	5	4.59E-06
245	0.22102	7.87E-05	1.7E-05	1.05E-03	1.82E-08	6.12E-01	1.57E-01	1.75E-09	1.0E+06	1.7E-03	5	3.48E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
246	0.17151	7.87E-05	1.4E-05	1.05E-03	1.41E-08	6.12E-01	1.57E-01	1.36E-09	1.0E+06	1.4E-03	5	2.70E-06
247	0.13599	7.87E-05	1.1E-05	1.05E-03	1.12E-08	6.12E-01	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5	2.14E-06
248	0.10994	7.87E-05	8.7E-06	1.05E-03	9.05E-09	6.12E-01	1.57E-01	8.70E-10	1.0E+06	8.7E-04	5	1.73E-06
249	0.02517	7.87E-05	2.0E-06	1.05E-03	2.07E-09	6.12E-01	1.57E-01	1.99E-10	1.0E+06	2.0E-04	5	3.96E-07
250	0.03073	7.87E-05	2.4E-06	1.05E-03	2.53E-09	6.12E-01	1.57E-01	2.43E-10	1.0E+06	2.4E-04	5	4.84E-07
251	0.03854	7.87E-05	3.0E-06	1.05E-03	3.17E-09	6.12E-01	1.57E-01	3.05E-10	1.0E+06	3.1E-04	5	6.07E-07
252	0.04987	7.87E-05	3.9E-06	1.05E-03	4.10E-09	6.12E-01	1.57E-01	3.95E-10	1.0E+06	3.9E-04	5	7.85E-07
253	0.06608	7.87E-05	5.2E-06	1.05E-03	5.44E-09	6.12E-01	1.57E-01	5.23E-10	1.0E+06	5.2E-04	5	1.04E-06
254	0.08949	7.87E-05	7.0E-06	1.05E-03	7.37E-09	6.12E-01	1.57E-01	7.08E-10	1.0E+06	7.1E-04	5	1.41E-06
255	0.12075	7.87E-05	9.5E-06	1.05E-03	9.94E-09	6.12E-01	1.57E-01	9.56E-10	1.0E+06	9.6E-04	5	1.90E-06
256	0.16154	7.87E-05	1.3E-05	1.05E-03	1.33E-08	6.12E-01	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5	2.54E-06
257	0.20802	7.87E-05	1.6E-05	1.05E-03	1.71E-08	6.12E-01	1.57E-01	1.65E-09	1.0E+06	1.6E-03	5	3.28E-06
258	0.2628	7.87E-05	2.1E-05	1.05E-03	2.16E-08	6.12E-01	1.57E-01	2.08E-09	1.0E+06	2.1E-03	5	4.14E-06
259	0.33174	7.87E-05	2.6E-05	1.05E-03	2.73E-08	6.12E-01	1.57E-01	2.63E-09	1.0E+06	2.6E-03	5	5.22E-06
260	0.40804	7.87E-05	3.2E-05	1.05E-03	3.36E-08	6.12E-01	1.57E-01	3.23E-09	1.0E+06	3.2E-03	5	6.43E-06
261	0.46468	7.87E-05	3.7E-05	1.05E-03	3.82E-08	6.12E-01	1.57E-01	3.68E-09	1.0E+06	3.7E-03	5	7.32E-06
262	0.46625	7.87E-05	3.7E-05	1.05E-03	3.84E-08	6.12E-01	1.57E-01	3.69E-09	1.0E+06	3.7E-03	5	7.34E-06
263	0.42118	7.87E-05	3.3E-05	1.05E-03	3.47E-08	6.12E-01	1.57E-01	3.33E-09	1.0E+06	3.3E-03	5	6.63E-06
264	0.3561	7.87E-05	2.8E-05	1.05E-03	2.93E-08	6.12E-01	1.57E-01	2.82E-09	1.0E+06	2.8E-03	5	5.61E-06
265	0.29297	7.87E-05	2.3E-05	1.05E-03	2.41E-08	6.12E-01	1.57E-01	2.32E-09	1.0E+06	2.3E-03	5	4.61E-06
266	0.23821	7.87E-05	1.9E-05	1.05E-03	1.96E-08	6.12E-01	1.57E-01	1.89E-09	1.0E+06	1.9E-03	5	3.75E-06
267	0.19314	7.87E-05	1.5E-05	1.05E-03	1.59E-08	6.12E-01	1.57E-01	1.53E-09	1.0E+06	1.5E-03	5	3.04E-06
268	0.1576	7.87E-05	1.2E-05	1.05E-03	1.30E-08	6.12E-01	1.57E-01	1.25E-09	1.0E+06	1.2E-03	5	2.48E-06
269	0.12976	7.87E-05	1.0E-05	1.05E-03	1.07E-08	6.12E-01	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	2.04E-06
270	0.1079	7.87E-05	8.5E-06	1.05E-03	8.88E-09	6.12E-01	1.57E-01	8.54E-10	1.0E+06	8.5E-04	5	1.70E-06
271	0.024	7.87E-05	1.9E-06	1.05E-03	1.98E-09	6.12E-01	1.57E-01	1.90E-10	1.0E+06	1.9E-04	5	3.78E-07
272	0.02857	7.87E-05	2.2E-06	1.05E-03	2.35E-09	6.12E-01	1.57E-01	2.26E-10	1.0E+06	2.3E-04	5	4.50E-07
273	0.03462	7.87E-05	2.7E-06	1.05E-03	2.85E-09	6.12E-01	1.57E-01	2.74E-10	1.0E+06	2.7E-04	5	5.45E-07
274	0.04257	7.87E-05	3.4E-06	1.05E-03	3.50E-09	6.12E-01	1.57E-01	3.37E-10	1.0E+06	3.4E-04	5	6.70E-07
275	0.05294	7.87E-05	4.2E-06	1.05E-03	4.36E-09	6.12E-01	1.57E-01	4.19E-10	1.0E+06	4.2E-04	5	8.34E-07
276	0.06642	7.87E-05	5.2E-06	1.05E-03	5.47E-09	6.12E-01	1.57E-01	5.26E-10	1.0E+06	5.3E-04	5	1.05E-06
277	0.08343	7.87E-05	6.6E-06	1.05E-03	6.87E-09	6.12E-01	1.57E-01	6.60E-10	1.0E+06	6.6E-04	5	1.31E-06
278	0.10395	7.87E-05	8.2E-06	1.05E-03	8.56E-09	6.12E-01	1.57E-01	8.23E-10	1.0E+06	8.2E-04	5	1.64E-06
279	0.12815	7.87E-05	1.0E-05	1.05E-03	1.05E-08	6.12E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	2.02E-06
280	0.15531	7.87E-05	1.2E-05	1.05E-03	1.28E-08	6.12E-01	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.45E-06
281	0.18524	7.87E-05	1.5E-05	1.05E-03	1.52E-08	6.12E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	2.92E-06
282	0.21458	7.87E-05	1.7E-05	1.05E-03	1.77E-08	6.12E-01	1.57E-01	1.70E-09	1.0E+06	1.7E-03	5	3.38E-06
283	0.23683	7.87E-05	1.9E-05	1.05E-03	1.95E-08	6.12E-01	1.57E-01	1.87E-09	1.0E+06	1.9E-03	5	3.73E-06
284	0.24438	7.87E-05	1.9E-05	1.05E-03	2.01E-08	6.12E-01	1.57E-01	1.93E-09	1.0E+06	1.9E-03	5	3.85E-06
285	0.24228	7.87E-05	1.9E-05	1.05E-03	1.99E-08	6.12E-01	1.57E-01	1.92E-09	1.0E+06	1.9E-03	5	3.82E-06
286	0.2275	7.87E-05	1.8E-05	1.05E-03	1.87E-08	6.12E-01	1.57E-01	1.80E-09	1.0E+06	1.8E-03	5	3.58E-06
287	0.20535	7.87E-05	1.6E-05	1.05E-03	1.69E-08	6.12E-01	1.57E-01	1.63E-09	1.0E+06	1.6E-03	5	3.23E-06
288	0.18088	7.87E-05	1.4E-05	1.05E-03	1.49E-08	6.12E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	2.85E-06
289	0.15656	7.87E-05	1.2E-05	1.05E-03	1.29E-08	6.12E-01	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	2.47E-06
290	0.13505	7.87E-05	1.1E-05	1.05E-03	1.11E-08	6.12E-01	1.57E-01	1.07E-09	1.0E+06	1.1E-03	5	2.13E-06
291	0.11583	7.87E-05	9.1E-06	1.05E-03	9.53E-09	6.12E-01	1.57E-01	9.17E-10	1.0E+06	9.2E-04	5	1.82E-06
292	0.09962	7.87E-05	7.8E-06	1.05E-03	8.20E-09	6.12E-01	1.57E-01	7.89E-10	1.0E+06	7.9E-04	5	1.57E-06
293	0.02265	7.87E-05	1.8E-06	1.05E-03	1.86E-09	6.12E-01	1.57E-01	1.79E-10	1.0E+06	1.8E-04	5	3.57E-07
294	0.02634	7.87E-05	2.1E-06	1.05E-03	2.17E-09	6.12E-01	1.57E-01	2.09E-10	1.0E+06	2.1E-04	5	4.15E-07

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
295	0.03091	7.87E-05	2.4E-06	1.05E-03	2.54E-09	6.12E-01	1.57E-01	2.45E-10	1.0E+06	2.4E-04	5	4.87E-07
296	0.03651	7.87E-05	2.9E-06	1.05E-03	3.01E-09	6.12E-01	1.57E-01	2.89E-10	1.0E+06	2.9E-04	5	5.75E-07
297	0.04345	7.87E-05	3.4E-06	1.05E-03	3.58E-09	6.12E-01	1.57E-01	3.44E-10	1.0E+06	3.4E-04	5	6.84E-07
298	0.05188	7.87E-05	4.1E-06	1.05E-03	4.27E-09	6.12E-01	1.57E-01	4.11E-10	1.0E+06	4.1E-04	5	8.17E-07
299	0.06211	7.87E-05	4.9E-06	1.05E-03	5.11E-09	6.12E-01	1.57E-01	4.92E-10	1.0E+06	4.9E-04	5	9.78E-07
300	0.07428	7.87E-05	5.8E-06	1.05E-03	6.11E-09	6.12E-01	1.57E-01	5.88E-10	1.0E+06	5.9E-04	5	1.17E-06
301	0.08731	7.87E-05	6.9E-06	1.05E-03	7.19E-09	6.12E-01	1.57E-01	6.91E-10	1.0E+06	6.9E-04	5	1.38E-06
302	0.10189	7.87E-05	8.0E-06	1.05E-03	8.39E-09	6.12E-01	1.57E-01	8.07E-10	1.0E+06	8.1E-04	5	1.60E-06
303	0.11694	7.87E-05	9.2E-06	1.05E-03	9.63E-09	6.12E-01	1.57E-01	9.26E-10	1.0E+06	9.3E-04	5	1.84E-06
304	0.13182	7.87E-05	1.0E-05	1.05E-03	1.08E-08	6.12E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.08E-06
305	0.14328	7.87E-05	1.1E-05	1.05E-03	1.18E-08	6.12E-01	1.57E-01	1.13E-09	1.0E+06	1.1E-03	5	2.26E-06
306	0.14962	7.87E-05	1.2E-05	1.05E-03	1.23E-08	6.12E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	2.36E-06
307	0.152	7.87E-05	1.2E-05	1.05E-03	1.25E-08	6.12E-01	1.57E-01	1.20E-09	1.0E+06	1.2E-03	5	2.39E-06
308	0.14951	7.87E-05	1.2E-05	1.05E-03	1.23E-08	6.12E-01	1.57E-01	1.18E-09	1.0E+06	1.2E-03	5	2.35E-06
309	0.14425	7.87E-05	1.1E-05	1.05E-03	1.19E-08	6.12E-01	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.27E-06
310	0.13414	7.87E-05	1.1E-05	1.05E-03	1.10E-08	6.12E-01	1.57E-01	1.06E-09	1.0E+06	1.1E-03	5	2.11E-06
311	0.12259	7.87E-05	9.7E-06	1.05E-03	1.01E-08	6.12E-01	1.57E-01	9.70E-10	1.0E+06	9.7E-04	5	1.93E-06
312	0.11084	7.87E-05	8.7E-06	1.05E-03	9.12E-09	6.12E-01	1.57E-01	8.77E-10	1.0E+06	8.8E-04	5	1.75E-06
313	0.09894	7.87E-05	7.8E-06	1.05E-03	8.14E-09	6.12E-01	1.57E-01	7.83E-10	1.0E+06	7.8E-04	5	1.56E-06
314	0.08795	7.87E-05	6.9E-06	1.05E-03	7.24E-09	6.12E-01	1.57E-01	6.96E-10	1.0E+06	7.0E-04	5	1.39E-06
315	0.0212	7.87E-05	1.7E-06	1.05E-03	1.74E-09	6.12E-01	1.57E-01	1.68E-10	1.0E+06	1.7E-04	5	3.34E-07
316	0.02412	7.87E-05	1.9E-06	1.05E-03	1.99E-09	6.12E-01	1.57E-01	1.91E-10	1.0E+06	1.9E-04	5	3.80E-07
317	0.02756	7.87E-05	2.2E-06	1.05E-03	2.27E-09	6.12E-01	1.57E-01	2.18E-10	1.0E+06	2.2E-04	5	4.34E-07
318	0.03158	7.87E-05	2.5E-06	1.05E-03	2.60E-09	6.12E-01	1.57E-01	2.50E-10	1.0E+06	2.5E-04	5	4.97E-07
319	0.03626	7.87E-05	2.9E-06	1.05E-03	2.98E-09	6.12E-01	1.57E-01	2.87E-10	1.0E+06	2.9E-04	5	5.71E-07
320	0.04201	7.87E-05	3.3E-06	1.05E-03	3.46E-09	6.12E-01	1.57E-01	3.33E-10	1.0E+06	3.3E-04	5	6.62E-07
321	0.04848	7.87E-05	3.8E-06	1.05E-03	3.99E-09	6.12E-01	1.57E-01	3.84E-10	1.0E+06	3.8E-04	5	7.64E-07
322	0.05585	7.87E-05	4.4E-06	1.05E-03	4.60E-09	6.12E-01	1.57E-01	4.42E-10	1.0E+06	4.4E-04	5	8.80E-07
323	0.06392	7.87E-05	5.0E-06	1.05E-03	5.26E-09	6.12E-01	1.57E-01	5.06E-10	1.0E+06	5.1E-04	5	1.01E-06
324	0.07224	7.87E-05	5.7E-06	1.05E-03	5.95E-09	6.12E-01	1.57E-01	5.72E-10	1.0E+06	5.7E-04	5	1.14E-06
325	0.08079	7.87E-05	6.4E-06	1.05E-03	6.65E-09	6.12E-01	1.57E-01	6.40E-10	1.0E+06	6.4E-04	5	1.27E-06
326	0.08923	7.87E-05	7.0E-06	1.05E-03	7.34E-09	6.12E-01	1.57E-01	7.06E-10	1.0E+06	7.1E-04	5	1.41E-06
327	0.09775	7.87E-05	7.7E-06	1.05E-03	8.05E-09	6.12E-01	1.57E-01	7.74E-10	1.0E+06	7.7E-04	5	1.54E-06
328	0.10056	7.87E-05	7.9E-06	1.05E-03	8.28E-09	6.12E-01	1.57E-01	7.96E-10	1.0E+06	8.0E-04	5	1.58E-06
329	0.10323	7.87E-05	8.1E-06	1.05E-03	8.50E-09	6.12E-01	1.57E-01	8.17E-10	1.0E+06	8.2E-04	5	1.63E-06
330	0.10406	7.87E-05	8.2E-06	1.05E-03	8.57E-09	6.12E-01	1.57E-01	8.24E-10	1.0E+06	8.2E-04	5	1.64E-06
331	0.10287	7.87E-05	8.1E-06	1.05E-03	8.47E-09	6.12E-01	1.57E-01	8.14E-10	1.0E+06	8.1E-04	5	1.62E-06
332	0.09973	7.87E-05	7.9E-06	1.05E-03	8.21E-09	6.12E-01	1.57E-01	7.89E-10	1.0E+06	7.9E-04	5	1.57E-06
333	0.09463	7.87E-05	7.5E-06	1.05E-03	7.79E-09	6.12E-01	1.57E-01	7.49E-10	1.0E+06	7.5E-04	5	1.49E-06
334	0.08888	7.87E-05	7.0E-06	1.05E-03	7.32E-09	6.12E-01	1.57E-01	7.04E-10	1.0E+06	7.0E-04	5	1.40E-06
335	0.08226	7.87E-05	6.5E-06	1.05E-03	6.77E-09	6.12E-01	1.57E-01	6.51E-10	1.0E+06	6.5E-04	5	1.30E-06
336	0.07547	7.87E-05	5.9E-06	1.05E-03	6.21E-09	6.12E-01	1.57E-01	5.97E-10	1.0E+06	6.0E-04	5	1.19E-06
337	0.01978	7.87E-05	1.6E-06	1.05E-03	1.63E-09	6.12E-01	1.57E-01	1.57E-10	1.0E+06	1.6E-04	5	3.12E-07
338	0.02207	7.87E-05	1.7E-06	1.05E-03	1.82E-09	6.12E-01	1.57E-01	1.75E-10	1.0E+06	1.7E-04	5	3.48E-07
339	0.02464	7.87E-05	1.9E-06	1.05E-03	2.03E-09	6.12E-01	1.57E-01	1.95E-10	1.0E+06	2.0E-04	5	3.88E-07
340	0.02761	7.87E-05	2.2E-06	1.05E-03	2.27E-09	6.12E-01	1.57E-01	2.19E-10	1.0E+06	2.2E-04	5	4.35E-07
341	0.03095	7.87E-05	2.4E-06	1.05E-03	2.55E-09	6.12E-01	1.57E-01	2.45E-10	1.0E+06	2.4E-04	5	4.87E-07
342	0.0349	7.87E-05	2.7E-06	1.05E-03	2.87E-09	6.12E-01	1.57E-01	2.76E-10	1.0E+06	2.8E-04	5	5.50E-07
343	0.03919	7.87E-05	3.1E-06	1.05E-03	3.23E-09	6.12E-01	1.57E-01	3.10E-10	1.0E+06	3.1E-04	5	6.17E-07

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
344	0.04397	7.87E-05	3.5E-06	1.05E-03	3.62E-09	6.12E-01	1.57E-01	3.48E-10	1.0E+06	3.5E-04	5	6.93E-07
345	0.04905	7.87E-05	3.9E-06	1.05E-03	4.04E-09	6.12E-01	1.57E-01	3.88E-10	1.0E+06	3.9E-04	5	7.73E-07
346	0.05441	7.87E-05	4.3E-06	1.05E-03	4.48E-09	6.12E-01	1.57E-01	4.31E-10	1.0E+06	4.3E-04	5	8.57E-07
347	0.05965	7.87E-05	4.7E-06	1.05E-03	4.91E-09	6.12E-01	1.57E-01	4.72E-10	1.0E+06	4.7E-04	5	9.39E-07
348	0.0648	7.87E-05	5.1E-06	1.05E-03	5.33E-09	6.12E-01	1.57E-01	5.13E-10	1.0E+06	5.1E-04	5	1.02E-06
349	0.06869	7.87E-05	5.4E-06	1.05E-03	5.65E-09	6.12E-01	1.57E-01	5.44E-10	1.0E+06	5.4E-04	5	1.08E-06
350	0.07216	7.87E-05	5.7E-06	1.05E-03	5.94E-09	6.12E-01	1.57E-01	5.71E-10	1.0E+06	5.7E-04	5	1.14E-06
351	0.0746	7.87E-05	5.9E-06	1.05E-03	6.14E-09	6.12E-01	1.57E-01	5.91E-10	1.0E+06	5.9E-04	5	1.17E-06
352	0.07569	7.87E-05	6.0E-06	1.05E-03	6.23E-09	6.12E-01	1.57E-01	5.99E-10	1.0E+06	6.0E-04	5	1.19E-06
353	0.07629	7.87E-05	6.0E-06	1.05E-03	6.28E-09	6.12E-01	1.57E-01	6.04E-10	1.0E+06	6.0E-04	5	1.20E-06
354	0.07544	7.87E-05	5.9E-06	1.05E-03	6.21E-09	6.12E-01	1.57E-01	5.97E-10	1.0E+06	6.0E-04	5	1.19E-06
355	0.07372	7.87E-05	5.8E-06	1.05E-03	6.07E-09	6.12E-01	1.57E-01	5.84E-10	1.0E+06	5.8E-04	5	1.16E-06
356	0.07108	7.87E-05	5.6E-06	1.05E-03	5.85E-09	6.12E-01	1.57E-01	5.63E-10	1.0E+06	5.6E-04	5	1.12E-06
357	0.0676	7.87E-05	5.3E-06	1.05E-03	5.56E-09	6.12E-01	1.57E-01	5.35E-10	1.0E+06	5.4E-04	5	1.06E-06
358	0.06366	7.87E-05	5.0E-06	1.05E-03	5.24E-09	6.12E-01	1.57E-01	5.04E-10	1.0E+06	5.0E-04	5	1.00E-06
359	0.01838	7.87E-05	1.4E-06	1.05E-03	1.51E-09	6.12E-01	1.57E-01	1.45E-10	1.0E+06	1.5E-04	5	2.89E-07
360	0.02018	7.87E-05	1.6E-06	1.05E-03	1.66E-09	6.12E-01	1.57E-01	1.60E-10	1.0E+06	1.6E-04	5	3.18E-07
361	0.02215	7.87E-05	1.7E-06	1.05E-03	1.82E-09	6.12E-01	1.57E-01	1.75E-10	1.0E+06	1.8E-04	5	3.49E-07
362	0.02434	7.87E-05	1.9E-06	1.05E-03	2.00E-09	6.12E-01	1.57E-01	1.93E-10	1.0E+06	1.9E-04	5	3.83E-07
363	0.02676	7.87E-05	2.1E-06	1.05E-03	2.20E-09	6.12E-01	1.57E-01	2.12E-10	1.0E+06	2.1E-04	5	4.21E-07
364	0.02952	7.87E-05	2.3E-06	1.05E-03	2.43E-09	6.12E-01	1.57E-01	2.34E-10	1.0E+06	2.3E-04	5	4.65E-07
365	0.03254	7.87E-05	2.6E-06	1.05E-03	2.68E-09	6.12E-01	1.57E-01	2.58E-10	1.0E+06	2.6E-04	5	5.12E-07
366	0.0358	7.87E-05	2.8E-06	1.05E-03	2.95E-09	6.12E-01	1.57E-01	2.83E-10	1.0E+06	2.8E-04	5	5.64E-07
367	0.0393	7.87E-05	3.1E-06	1.05E-03	3.23E-09	6.12E-01	1.57E-01	3.11E-10	1.0E+06	3.1E-04	5	6.19E-07
368	0.04282	7.87E-05	3.4E-06	1.05E-03	3.52E-09	6.12E-01	1.57E-01	3.39E-10	1.0E+06	3.4E-04	5	6.74E-07
369	0.04625	7.87E-05	3.6E-06	1.05E-03	3.81E-09	6.12E-01	1.57E-01	3.66E-10	1.0E+06	3.7E-04	5	7.28E-07
370	0.04946	7.87E-05	3.9E-06	1.05E-03	4.07E-09	6.12E-01	1.57E-01	3.92E-10	1.0E+06	3.9E-04	5	7.79E-07
371	0.05247	7.87E-05	4.1E-06	1.05E-03	4.32E-09	6.12E-01	1.57E-01	4.15E-10	1.0E+06	4.2E-04	5	8.26E-07
372	0.05492	7.87E-05	4.3E-06	1.05E-03	4.52E-09	6.12E-01	1.57E-01	4.35E-10	1.0E+06	4.3E-04	5	8.65E-07
373	0.05664	7.87E-05	4.5E-06	1.05E-03	4.66E-09	6.12E-01	1.57E-01	4.48E-10	1.0E+06	4.5E-04	5	8.92E-07
374	0.05774	7.87E-05	4.5E-06	1.05E-03	4.75E-09	6.12E-01	1.57E-01	4.57E-10	1.0E+06	4.6E-04	5	9.09E-07
375	0.05858	7.87E-05	4.6E-06	1.05E-03	4.82E-09	6.12E-01	1.57E-01	4.64E-10	1.0E+06	4.6E-04	5	9.23E-07
376	0.05867	7.87E-05	4.6E-06	1.05E-03	4.83E-09	6.12E-01	1.57E-01	4.64E-10	1.0E+06	4.6E-04	5	9.24E-07
377	0.05825	7.87E-05	4.6E-06	1.05E-03	4.79E-09	6.12E-01	1.57E-01	4.61E-10	1.0E+06	4.6E-04	5	9.17E-07
378	0.05741	7.87E-05	4.5E-06	1.05E-03	4.73E-09	6.12E-01	1.57E-01	4.54E-10	1.0E+06	4.5E-04	5	9.04E-07
379	0.05579	7.87E-05	4.4E-06	1.05E-03	4.59E-09	6.12E-01	1.57E-01	4.42E-10	1.0E+06	4.4E-04	5	8.79E-07
380	0.05355	7.87E-05	4.2E-06	1.05E-03	4.41E-09	6.12E-01	1.57E-01	4.24E-10	1.0E+06	4.2E-04	5	8.43E-07
381	0.02253	7.87E-05	1.8E-06	1.05E-03	1.85E-09	6.12E-01	1.57E-01	1.78E-10	1.0E+06	1.8E-04	5	3.55E-07
382	0.02599	7.87E-05	2.0E-06	1.05E-03	2.14E-09	6.12E-01	1.57E-01	2.06E-10	1.0E+06	2.1E-04	5	4.09E-07
383	0.03011	7.87E-05	2.4E-06	1.05E-03	2.48E-09	6.12E-01	1.57E-01	2.38E-10	1.0E+06	2.4E-04	5	4.74E-07
384	0.03483	7.87E-05	2.7E-06	1.05E-03	2.87E-09	6.12E-01	1.57E-01	2.76E-10	1.0E+06	2.8E-04	5	5.49E-07
385	0.03991	7.87E-05	3.1E-06	1.05E-03	3.28E-09	6.12E-01	1.57E-01	3.16E-10	1.0E+06	3.2E-04	5	6.29E-07
386	0.04497	7.87E-05	3.5E-06	1.05E-03	3.70E-09	6.12E-01	1.57E-01	3.56E-10	1.0E+06	3.6E-04	5	7.08E-07
387	0.04947	7.87E-05	3.9E-06	1.05E-03	4.07E-09	6.12E-01	1.57E-01	3.92E-10	1.0E+06	3.9E-04	5	7.79E-07
388	0.05286	7.87E-05	4.2E-06	1.05E-03	4.35E-09	6.12E-01	1.57E-01	4.18E-10	1.0E+06	4.2E-04	5	8.33E-07
389	0.05477	7.87E-05	4.3E-06	1.05E-03	4.51E-09	6.12E-01	1.57E-01	4.34E-10	1.0E+06	4.3E-04	5	8.63E-07
390	0.05498	7.87E-05	4.3E-06	1.05E-03	4.53E-09	6.12E-01	1.57E-01	4.35E-10	1.0E+06	4.4E-04	5	8.66E-07
391	0.05344	7.87E-05	4.2E-06	1.05E-03	4.40E-09	6.12E-01	1.57E-01	4.23E-10	1.0E+06	4.2E-04	5	8.42E-07
392	0.0503	7.87E-05	4.0E-06	1.05E-03	4.14E-09	6.12E-01	1.57E-01	3.98E-10	1.0E+06	4.0E-04	5	7.92E-07

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
393	0.04596	7.87E-05	3.6E-06	1.05E-03	3.78E-09	6.12E-01	1.57E-01	3.64E-10	1.0E+06	3.6E-04	5	7.24E-07
394	0.04096	7.87E-05	3.2E-06	1.05E-03	3.37E-09	6.12E-01	1.57E-01	3.24E-10	1.0E+06	3.2E-04	5	6.45E-07
395	0.03596	7.87E-05	2.8E-06	1.05E-03	2.96E-09	6.12E-01	1.57E-01	2.85E-10	1.0E+06	2.8E-04	5	5.66E-07
396	0.03142	7.87E-05	2.5E-06	1.05E-03	2.59E-09	6.12E-01	1.57E-01	2.49E-10	1.0E+06	2.5E-04	5	4.95E-07
397	0.02755	7.87E-05	2.2E-06	1.05E-03	2.27E-09	6.12E-01	1.57E-01	2.18E-10	1.0E+06	2.2E-04	5	4.34E-07
398	0.02439	7.87E-05	1.9E-06	1.05E-03	2.01E-09	6.12E-01	1.57E-01	1.93E-10	1.0E+06	1.9E-04	5	3.84E-07
399	0.02578	7.87E-05	2.0E-06	1.05E-03	2.12E-09	6.12E-01	1.57E-01	2.04E-10	1.0E+06	2.0E-04	5	4.06E-07
400	0.0307	7.87E-05	2.4E-06	1.05E-03	2.53E-09	6.12E-01	1.57E-01	2.43E-10	1.0E+06	2.4E-04	5	4.84E-07
401	0.03693	7.87E-05	2.9E-06	1.05E-03	3.04E-09	6.12E-01	1.57E-01	2.92E-10	1.0E+06	2.9E-04	5	5.82E-07
402	0.04461	7.87E-05	3.5E-06	1.05E-03	3.67E-09	6.12E-01	1.57E-01	3.53E-10	1.0E+06	3.5E-04	5	7.03E-07
403	0.05344	7.87E-05	4.2E-06	1.05E-03	4.40E-09	6.12E-01	1.57E-01	4.23E-10	1.0E+06	4.2E-04	5	8.42E-07
404	0.06254	7.87E-05	4.9E-06	1.05E-03	5.15E-09	6.12E-01	1.57E-01	4.95E-10	1.0E+06	5.0E-04	5	9.85E-07
405	0.07072	7.87E-05	5.6E-06	1.05E-03	5.82E-09	6.12E-01	1.57E-01	5.60E-10	1.0E+06	5.6E-04	5	1.11E-06
406	0.0769	7.87E-05	6.1E-06	1.05E-03	6.33E-09	6.12E-01	1.57E-01	6.09E-10	1.0E+06	6.1E-04	5	1.21E-06
407	0.08045	7.87E-05	6.3E-06	1.05E-03	6.62E-09	6.12E-01	1.57E-01	6.37E-10	1.0E+06	6.4E-04	5	1.27E-06
408	0.08098	7.87E-05	6.4E-06	1.05E-03	6.67E-09	6.12E-01	1.57E-01	6.41E-10	1.0E+06	6.4E-04	5	1.28E-06
409	0.07837	7.87E-05	6.2E-06	1.05E-03	6.45E-09	6.12E-01	1.57E-01	6.20E-10	1.0E+06	6.2E-04	5	1.23E-06
410	0.07278	7.87E-05	5.7E-06	1.05E-03	5.99E-09	6.12E-01	1.57E-01	5.76E-10	1.0E+06	5.8E-04	5	1.15E-06
411	0.06487	7.87E-05	5.1E-06	1.05E-03	5.34E-09	6.12E-01	1.57E-01	5.13E-10	1.0E+06	5.1E-04	5	1.02E-06
412	0.05595	7.87E-05	4.4E-06	1.05E-03	4.61E-09	6.12E-01	1.57E-01	4.43E-10	1.0E+06	4.4E-04	5	8.81E-07
413	0.04746	7.87E-05	3.7E-06	1.05E-03	3.91E-09	6.12E-01	1.57E-01	3.76E-10	1.0E+06	3.8E-04	5	7.47E-07
414	0.04023	7.87E-05	3.2E-06	1.05E-03	3.31E-09	6.12E-01	1.57E-01	3.18E-10	1.0E+06	3.2E-04	5	6.34E-07
415	0.03449	7.87E-05	2.7E-06	1.05E-03	2.84E-09	6.12E-01	1.57E-01	2.73E-10	1.0E+06	2.7E-04	5	5.43E-07
416	0.03005	7.87E-05	2.4E-06	1.05E-03	2.47E-09	6.12E-01	1.57E-01	2.38E-10	1.0E+06	2.4E-04	5	4.73E-07
417	0.02937	7.87E-05	2.3E-06	1.05E-03	2.42E-09	6.12E-01	1.57E-01	2.32E-10	1.0E+06	2.3E-04	5	4.63E-07
418	0.0364	7.87E-05	2.9E-06	1.05E-03	3.00E-09	6.12E-01	1.57E-01	2.88E-10	1.0E+06	2.9E-04	5	5.73E-07
419	0.04611	7.87E-05	3.6E-06	1.05E-03	3.80E-09	6.12E-01	1.57E-01	3.65E-10	1.0E+06	3.6E-04	5	7.26E-07
420	0.05935	7.87E-05	4.7E-06	1.05E-03	4.89E-09	6.12E-01	1.57E-01	4.70E-10	1.0E+06	4.7E-04	5	9.35E-07
421	0.07596	7.87E-05	6.0E-06	1.05E-03	6.25E-09	6.12E-01	1.57E-01	6.01E-10	1.0E+06	6.0E-04	5	1.20E-06
422	0.09402	7.87E-05	7.4E-06	1.05E-03	7.74E-09	6.12E-01	1.57E-01	7.44E-10	1.0E+06	7.4E-04	5	1.48E-06
423	0.11027	7.87E-05	8.7E-06	1.05E-03	9.08E-09	6.12E-01	1.57E-01	8.73E-10	1.0E+06	8.7E-04	5	1.74E-06
424	0.12235	7.87E-05	9.6E-06	1.05E-03	1.01E-08	6.12E-01	1.57E-01	9.68E-10	1.0E+06	9.7E-04	5	1.93E-06
425	0.1296	7.87E-05	1.0E-05	1.05E-03	1.07E-08	6.12E-01	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	2.04E-06
426	0.13138	7.87E-05	1.0E-05	1.05E-03	1.08E-08	6.12E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.07E-06
427	0.1271	7.87E-05	1.0E-05	1.05E-03	1.05E-08	6.12E-01	1.57E-01	1.01E-09	1.0E+06	1.0E-03	5	2.00E-06
428	0.11634	7.87E-05	9.2E-06	1.05E-03	9.58E-09	6.12E-01	1.57E-01	9.21E-10	1.0E+06	9.2E-04	5	1.83E-06
429	0.10035	7.87E-05	7.9E-06	1.05E-03	8.26E-09	6.12E-01	1.57E-01	7.94E-10	1.0E+06	7.9E-04	5	1.58E-06
430	0.08254	7.87E-05	6.5E-06	1.05E-03	6.79E-09	6.12E-01	1.57E-01	6.53E-10	1.0E+06	6.5E-04	5	1.30E-06
431	0.06669	7.87E-05	5.3E-06	1.05E-03	5.49E-09	6.12E-01	1.57E-01	5.28E-10	1.0E+06	5.3E-04	5	1.05E-06
432	0.05447	7.87E-05	4.3E-06	1.05E-03	4.48E-09	6.12E-01	1.57E-01	4.31E-10	1.0E+06	4.3E-04	5	8.58E-07
433	0.04551	7.87E-05	3.6E-06	1.05E-03	3.75E-09	6.12E-01	1.57E-01	3.60E-10	1.0E+06	3.6E-04	5	7.17E-07
434	0.03897	7.87E-05	3.1E-06	1.05E-03	3.21E-09	6.12E-01	1.57E-01	3.08E-10	1.0E+06	3.1E-04	5	6.14E-07
435	0.03292	7.87E-05	2.6E-06	1.05E-03	2.71E-09	6.12E-01	1.57E-01	2.61E-10	1.0E+06	2.6E-04	5	5.18E-07
436	0.04278	7.87E-05	3.4E-06	1.05E-03	3.52E-09	6.12E-01	1.57E-01	3.39E-10	1.0E+06	3.4E-04	5	6.74E-07
437	0.05819	7.87E-05	4.6E-06	1.05E-03	4.79E-09	6.12E-01	1.57E-01	4.61E-10	1.0E+06	4.6E-04	5	9.16E-07
438	0.08234	7.87E-05	6.5E-06	1.05E-03	6.78E-09	6.12E-01	1.57E-01	6.52E-10	1.0E+06	6.5E-04	5	1.30E-06
439	0.11798	7.87E-05	9.3E-06	1.05E-03	9.71E-09	6.12E-01	1.57E-01	9.34E-10	1.0E+06	9.3E-04	5	1.86E-06
440	0.16126	7.87E-05	1.3E-05	1.05E-03	1.33E-08	6.12E-01	1.57E-01	1.28E-09	1.0E+06	1.3E-03	5	2.54E-06
441	0.19877	7.87E-05	1.6E-05	1.05E-03	1.64E-08	6.12E-01	1.57E-01	1.57E-09	1.0E+06	1.6E-03	5	3.13E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
442	0.22434	7.87E-05	1.8E-05	1.05E-03	1.85E-08	6.12E-01	1.57E-01	1.78E-09	1.0E+06	1.8E-03	5	3.53E-06
443	0.24083	7.87E-05	1.9E-05	1.05E-03	1.98E-08	6.12E-01	1.57E-01	1.91E-09	1.0E+06	1.9E-03	5	3.79E-06
444	0.24807	7.87E-05	2.0E-05	1.05E-03	2.04E-08	6.12E-01	1.57E-01	1.96E-09	1.0E+06	2.0E-03	5	3.91E-06
445	0.24147	7.87E-05	1.9E-05	1.05E-03	1.99E-08	6.12E-01	1.57E-01	1.91E-09	1.0E+06	1.9E-03	5	3.80E-06
446	0.21912	7.87E-05	1.7E-05	1.05E-03	1.80E-08	6.12E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	3.45E-06
447	0.18022	7.87E-05	1.4E-05	1.05E-03	1.48E-08	6.12E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	2.84E-06
448	0.13666	7.87E-05	1.1E-05	1.05E-03	1.12E-08	6.12E-01	1.57E-01	1.08E-09	1.0E+06	1.1E-03	5	2.15E-06
449	0.10262	7.87E-05	8.1E-06	1.05E-03	8.45E-09	6.12E-01	1.57E-01	8.12E-10	1.0E+06	8.1E-04	5	1.62E-06
450	0.07989	7.87E-05	6.3E-06	1.05E-03	6.58E-09	6.12E-01	1.57E-01	6.32E-10	1.0E+06	6.3E-04	5	1.26E-06
451	0.06471	7.87E-05	5.1E-06	1.05E-03	5.33E-09	6.12E-01	1.57E-01	5.12E-10	1.0E+06	5.1E-04	5	1.02E-06
452	0.05388	7.87E-05	4.2E-06	1.05E-03	4.43E-09	6.12E-01	1.57E-01	4.26E-10	1.0E+06	4.3E-04	5	8.49E-07
453	0.03603	7.87E-05	2.8E-06	1.05E-03	2.97E-09	6.12E-01	1.57E-01	2.85E-10	1.0E+06	2.9E-04	5	5.67E-07
454	0.04899	7.87E-05	3.9E-06	1.05E-03	4.03E-09	6.12E-01	1.57E-01	3.88E-10	1.0E+06	3.9E-04	5	7.72E-07
455	0.07223	7.87E-05	5.7E-06	1.05E-03	5.95E-09	6.12E-01	1.57E-01	5.72E-10	1.0E+06	5.7E-04	5	1.14E-06
456	0.11701	7.87E-05	9.2E-06	1.05E-03	9.63E-09	6.12E-01	1.57E-01	9.26E-10	1.0E+06	9.3E-04	5	1.84E-06
457	0.2127	7.87E-05	1.7E-05	1.05E-03	1.75E-08	6.12E-01	1.57E-01	1.68E-09	1.0E+06	1.7E-03	5	3.35E-06
458	0.37369	7.87E-05	2.9E-05	1.05E-03	3.08E-08	6.12E-01	1.57E-01	2.96E-09	1.0E+06	3.0E-03	5	5.89E-06
459	0.48978	7.87E-05	3.9E-05	1.05E-03	4.03E-08	6.12E-01	1.57E-01	3.88E-09	1.0E+06	3.9E-03	5	7.71E-06
460	0.55097	7.87E-05	4.3E-05	1.05E-03	4.53E-08	6.12E-01	1.57E-01	4.36E-09	1.0E+06	4.4E-03	5	8.68E-06
461	0.59804	7.87E-05	4.7E-05	1.05E-03	4.92E-08	6.12E-01	1.57E-01	4.73E-09	1.0E+06	4.7E-03	5	9.42E-06
462	0.63882	7.87E-05	5.0E-05	1.05E-03	5.26E-08	6.12E-01	1.57E-01	5.06E-09	1.0E+06	5.1E-03	5	1.01E-05
463	0.6226	7.87E-05	4.9E-05	1.05E-03	5.12E-08	6.12E-01	1.57E-01	4.93E-09	1.0E+06	4.9E-03	5	9.81E-06
464	0.57784	7.87E-05	4.6E-05	1.05E-03	4.76E-08	6.12E-01	1.57E-01	4.57E-09	1.0E+06	4.6E-03	5	9.10E-06
465	0.43858	7.87E-05	3.5E-05	1.05E-03	3.61E-08	6.12E-01	1.57E-01	3.47E-09	1.0E+06	3.5E-03	5	6.91E-06
466	0.274	7.87E-05	2.2E-05	1.05E-03	2.26E-08	6.12E-01	1.57E-01	2.17E-09	1.0E+06	2.2E-03	5	4.32E-06
467	0.18051	7.87E-05	1.4E-05	1.05E-03	1.49E-08	6.12E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	2.84E-06
468	0.12984	7.87E-05	1.0E-05	1.05E-03	1.07E-08	6.12E-01	1.57E-01	1.03E-09	1.0E+06	1.0E-03	5	2.04E-06
469	0.09899	7.87E-05	7.8E-06	1.05E-03	8.15E-09	6.12E-01	1.57E-01	7.84E-10	1.0E+06	7.8E-04	5	1.56E-06
470	0.07854	7.87E-05	6.2E-06	1.05E-03	6.46E-09	6.12E-01	1.57E-01	6.22E-10	1.0E+06	6.2E-04	5	1.24E-06
471	0.03816	7.87E-05	3.0E-06	1.05E-03	3.14E-09	6.12E-01	1.57E-01	3.02E-10	1.0E+06	3.0E-04	5	6.01E-07
472	0.05389	7.87E-05	4.2E-06	1.05E-03	4.44E-09	6.12E-01	1.57E-01	4.27E-10	1.0E+06	4.3E-04	5	8.49E-07
473	0.08442	7.87E-05	6.6E-06	1.05E-03	6.95E-09	6.12E-01	1.57E-01	6.68E-10	1.0E+06	6.7E-04	5	1.33E-06
474	0.15668	7.87E-05	1.2E-05	1.05E-03	1.29E-08	6.12E-01	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	2.47E-06
475	0.43093	7.87E-05	3.4E-05	1.05E-03	3.55E-08	6.12E-01	1.57E-01	3.41E-09	1.0E+06	3.4E-03	5	6.79E-06
476	0.71106	7.87E-05	5.6E-05	1.05E-03	5.85E-08	6.12E-01	1.57E-01	5.63E-09	1.0E+06	5.6E-03	5	1.12E-05
477	0.35026	7.87E-05	2.8E-05	1.05E-03	2.88E-08	6.12E-01	1.57E-01	2.77E-09	1.0E+06	2.8E-03	5	5.52E-06
478	0.21915	7.87E-05	1.7E-05	1.05E-03	1.80E-08	6.12E-01	1.57E-01	1.73E-09	1.0E+06	1.7E-03	5	3.45E-06
479	0.15338	7.87E-05	1.2E-05	1.05E-03	1.26E-08	6.12E-01	1.57E-01	1.21E-09	1.0E+06	1.2E-03	5	2.42E-06
480	0.11466	7.87E-05	9.0E-06	1.05E-03	9.44E-09	6.12E-01	1.57E-01	9.08E-10	1.0E+06	9.1E-04	5	1.81E-06
481	0.03927	7.87E-05	3.1E-06	1.05E-03	3.23E-09	6.12E-01	1.57E-01	3.11E-10	1.0E+06	3.1E-04	5	6.18E-07
482	0.05613	7.87E-05	4.4E-06	1.05E-03	4.62E-09	6.12E-01	1.57E-01	4.44E-10	1.0E+06	4.4E-04	5	8.84E-07
483	0.08932	7.87E-05	7.0E-06	1.05E-03	7.35E-09	6.12E-01	1.57E-01	7.07E-10	1.0E+06	7.1E-04	5	1.41E-06
484	0.17498	7.87E-05	1.4E-05	1.05E-03	1.44E-08	6.12E-01	1.57E-01	1.39E-09	1.0E+06	1.4E-03	5	2.76E-06
485	0.568	7.87E-05	4.5E-05	1.05E-03	4.68E-08	6.12E-01	1.57E-01	4.50E-09	1.0E+06	4.5E-03	5	8.95E-06
486	1.18579	7.87E-05	9.3E-05	1.05E-03	9.76E-08	6.12E-01	1.57E-01	9.39E-09	1.0E+06	9.4E-03	5	1.87E-05
487	0.55103	7.87E-05	4.3E-05	1.05E-03	4.54E-08	6.12E-01	1.57E-01	4.36E-09	1.0E+06	4.4E-03	5	8.68E-06
488	0.32582	7.87E-05	2.6E-05	1.05E-03	2.68E-08	6.12E-01	1.57E-01	2.58E-09	1.0E+06	2.6E-03	5	5.13E-06
489	0.21679	7.87E-05	1.7E-05	1.05E-03	1.78E-08	6.12E-01	1.57E-01	1.72E-09	1.0E+06	1.7E-03	5	3.41E-06
490	0.1558	7.87E-05	1.2E-05	1.05E-03	1.28E-08	6.12E-01	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.45E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	Conc	g/sec	Cair	Dose Constant	Dose	ED	Risk Constant	Risk	Constant 2	Risk/ Million	REL	HI
491	0.0391	7.87E-05	3.1E-06	1.05E-03	3.22E-09	6.12E-01	1.57E-01	3.10E-10	1.0E+06	3.1E-04	5	6.16E-07
492	0.05503	7.87E-05	4.3E-06	1.05E-03	4.53E-09	6.12E-01	1.57E-01	4.36E-10	1.0E+06	4.4E-04	5	8.67E-07
493	0.0853	7.87E-05	6.7E-06	1.05E-03	7.02E-09	6.12E-01	1.57E-01	6.75E-10	1.0E+06	6.8E-04	5	1.34E-06
494	0.15688	7.87E-05	1.2E-05	1.05E-03	1.29E-08	6.12E-01	1.57E-01	1.24E-09	1.0E+06	1.2E-03	5	2.47E-06
495	0.42029	7.87E-05	3.3E-05	1.05E-03	3.46E-08	6.12E-01	1.57E-01	3.33E-09	1.0E+06	3.3E-03	5	6.62E-06
496	1.92949	7.87E-05	1.5E-04	1.05E-03	1.59E-07	6.12E-01	1.57E-01	1.53E-08	1.0E+06	1.5E-02	5	3.04E-05
497	1.58185	7.87E-05	1.2E-04	1.05E-03	1.30E-07	6.12E-01	1.57E-01	1.25E-08	1.0E+06	1.3E-02	5	2.49E-05
498	2.31241	7.87E-05	1.8E-04	1.05E-03	1.90E-07	6.12E-01	1.57E-01	1.83E-08	1.0E+06	1.8E-02	5	3.64E-05
499	1.07166	7.87E-05	8.4E-05	1.05E-03	8.82E-08	6.12E-01	1.57E-01	8.48E-09	1.0E+06	8.5E-03	5	1.69E-05
500	0.60701	7.87E-05	4.8E-05	1.05E-03	5.00E-08	6.12E-01	1.57E-01	4.80E-09	1.0E+06	4.8E-03	5	9.56E-06
501	0.38215	7.87E-05	3.0E-05	1.05E-03	3.15E-08	6.12E-01	1.57E-01	3.02E-09	1.0E+06	3.0E-03	5	6.02E-06
502	0.26017	7.87E-05	2.0E-05	1.05E-03	2.14E-08	6.12E-01	1.57E-01	2.06E-09	1.0E+06	2.1E-03	5	4.10E-06
503	0.18756	7.87E-05	1.5E-05	1.05E-03	1.54E-08	6.12E-01	1.57E-01	1.48E-09	1.0E+06	1.5E-03	5	2.95E-06
504	0.03784	7.87E-05	3.0E-06	1.05E-03	3.11E-09	6.12E-01	1.57E-01	3.00E-10	1.0E+06	3.0E-04	5	5.96E-07
505	0.05134	7.87E-05	4.0E-06	1.05E-03	4.23E-09	6.12E-01	1.57E-01	4.06E-10	1.0E+06	4.1E-04	5	8.09E-07
506	0.07532	7.87E-05	5.9E-06	1.05E-03	6.20E-09	6.12E-01	1.57E-01	5.96E-10	1.0E+06	6.0E-04	5	1.19E-06
507	0.11979	7.87E-05	9.4E-06	1.05E-03	9.86E-09	6.12E-01	1.57E-01	9.48E-10	1.0E+06	9.5E-04	5	1.89E-06
508	0.2147	7.87E-05	1.7E-05	1.05E-03	1.77E-08	6.12E-01	1.57E-01	1.70E-09	1.0E+06	1.7E-03	5	3.38E-06
509	0.38989	7.87E-05	3.1E-05	1.05E-03	3.21E-08	6.12E-01	1.57E-01	3.09E-09	1.0E+06	3.1E-03	5	6.14E-06
510	0.58345	7.87E-05	4.6E-05	1.05E-03	4.80E-08	6.12E-01	1.57E-01	4.62E-09	1.0E+06	4.6E-03	5	9.19E-06
511	0.68426	7.87E-05	5.4E-05	1.05E-03	5.63E-08	6.12E-01	1.57E-01	5.42E-09	1.0E+06	5.4E-03	5	1.08E-05
512	0.85941	7.87E-05	6.8E-05	1.05E-03	7.07E-08	6.12E-01	1.57E-01	6.80E-09	1.0E+06	6.8E-03	5	1.35E-05
513	2.77875	7.87E-05	2.2E-04	1.05E-03	2.29E-07	6.12E-01	1.57E-01	2.20E-08	1.0E+06	2.2E-02	5	4.38E-05
514	3.51315	7.87E-05	2.8E-04	1.05E-03	2.89E-07	6.12E-01	1.57E-01	2.78E-08	1.0E+06	2.8E-02	5	5.53E-05
515	2.88362	7.87E-05	2.3E-04	1.05E-03	2.37E-07	6.12E-01	1.57E-01	2.28E-08	1.0E+06	2.3E-02	5	4.54E-05
516	1.29169	7.87E-05	1.0E-04	1.05E-03	1.06E-07	6.12E-01	1.57E-01	1.02E-08	1.0E+06	1.0E-02	5	2.03E-05
517	0.78486	7.87E-05	6.2E-05	1.05E-03	6.46E-08	6.12E-01	1.57E-01	6.21E-09	1.0E+06	6.2E-03	5	1.24E-05
518	0.52381	7.87E-05	4.1E-05	1.05E-03	4.31E-08	6.12E-01	1.57E-01	4.15E-09	1.0E+06	4.1E-03	5	8.25E-06
519	0.36546	7.87E-05	2.9E-05	1.05E-03	3.01E-08	6.12E-01	1.57E-01	2.89E-09	1.0E+06	2.9E-03	5	5.76E-06
520	0.26438	7.87E-05	2.1E-05	1.05E-03	2.18E-08	6.12E-01	1.57E-01	2.09E-09	1.0E+06	2.1E-03	5	4.16E-06
521	0.19772	7.87E-05	1.6E-05	1.05E-03	1.63E-08	6.12E-01	1.57E-01	1.57E-09	1.0E+06	1.6E-03	5	3.11E-06
522	0.03561	7.87E-05	2.8E-06	1.05E-03	2.93E-09	6.12E-01	1.57E-01	2.82E-10	1.0E+06	2.8E-04	5	5.61E-07
523	0.04649	7.87E-05	3.7E-06	1.05E-03	3.83E-09	6.12E-01	1.57E-01	3.68E-10	1.0E+06	3.7E-04	5	7.32E-07
524	0.06309	7.87E-05	5.0E-06	1.05E-03	5.19E-09	6.12E-01	1.57E-01	4.99E-10	1.0E+06	5.0E-04	5	9.94E-07
525	0.0886	7.87E-05	7.0E-06	1.05E-03	7.29E-09	6.12E-01	1.57E-01	7.01E-10	1.0E+06	7.0E-04	5	1.40E-06
526	0.12621	7.87E-05	9.9E-06	1.05E-03	1.04E-08	6.12E-01	1.57E-01	9.99E-10	1.0E+06	1.0E-03	5	1.99E-06
527	0.18118	7.87E-05	1.4E-05	1.05E-03	1.49E-08	6.12E-01	1.57E-01	1.43E-09	1.0E+06	1.4E-03	5	2.85E-06
528	0.2456	7.87E-05	1.9E-05	1.05E-03	2.02E-08	6.12E-01	1.57E-01	1.94E-09	1.0E+06	1.9E-03	5	3.87E-06
529	0.31763	7.87E-05	2.5E-05	1.05E-03	2.61E-08	6.12E-01	1.57E-01	2.51E-09	1.0E+06	2.5E-03	5	5.00E-06
530	0.41113	7.87E-05	3.2E-05	1.05E-03	3.38E-08	6.12E-01	1.57E-01	3.25E-09	1.0E+06	3.3E-03	5	6.48E-06
531	0.55057	7.87E-05	4.3E-05	1.05E-03	4.53E-08	6.12E-01	1.57E-01	4.36E-09	1.0E+06	4.4E-03	5	8.67E-06
532	0.69291	7.87E-05	5.5E-05	1.05E-03	5.70E-08	6.12E-01	1.57E-01	5.48E-09	1.0E+06	5.5E-03	5	1.09E-05
533	0.7283	7.87E-05	5.7E-05	1.05E-03	5.99E-08	6.12E-01	1.57E-01	5.77E-09	1.0E+06	5.8E-03	5	1.15E-05
534	0.63288	7.87E-05	5.0E-05	1.05E-03	5.21E-08	6.12E-01	1.57E-01	5.01E-09	1.0E+06	5.0E-03	5	9.97E-06
535	0.5023	7.87E-05	4.0E-05	1.05E-03	4.13E-08	6.12E-01	1.57E-01	3.98E-09	1.0E+06	4.0E-03	5	7.91E-06
536	0.38917	7.87E-05	3.1E-05	1.05E-03	3.20E-08	6.12E-01	1.57E-01	3.08E-09	1.0E+06	3.1E-03	5	6.13E-06
537	0.30186	7.87E-05	2.4E-05	1.05E-03	2.48E-08	6.12E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	4.75E-06
538	0.23547	7.87E-05	1.9E-05	1.05E-03	1.94E-08	6.12E-01	1.57E-01	1.86E-09	1.0E+06	1.9E-03	5	3.71E-06
539	0.18607	7.87E-05	1.5E-05	1.05E-03	1.53E-08	6.12E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	2.93E-06

9th and Vineyard
- Paving Risk

		Cancer Risk from Birth to 2 Years									*Chronic Non Cancer Risk*	
Receptor #	**Conc**	**g/sec**	**Cair**	**Dose Constant**	**Dose**	**ED**	**Risk Constant**	**Risk**	**Constant 2**	**Risk/ Million**	**REL**	**HI**
540	0.03286	7.87E-05	2.6E-06	1.05E-03	2.70E-09	6.12E-01	1.57E-01	2.60E-10	1.0E+06	2.6E-04	5	5.18E-07
541	0.04101	7.87E-05	3.2E-06	1.05E-03	3.38E-09	6.12E-01	1.57E-01	3.25E-10	1.0E+06	3.2E-04	5	6.46E-07
542	0.05215	7.87E-05	4.1E-06	1.05E-03	4.29E-09	6.12E-01	1.57E-01	4.13E-10	1.0E+06	4.1E-04	5	8.21E-07
543	0.06716	7.87E-05	5.3E-06	1.05E-03	5.53E-09	6.12E-01	1.57E-01	5.32E-10	1.0E+06	5.3E-04	5	1.06E-06
544	0.08732	7.87E-05	6.9E-06	1.05E-03	7.19E-09	6.12E-01	1.57E-01	6.91E-10	1.0E+06	6.9E-04	5	1.38E-06
545	0.11247	7.87E-05	8.9E-06	1.05E-03	9.26E-09	6.12E-01	1.57E-01	8.90E-10	1.0E+06	8.9E-04	5	1.77E-06
546	0.14346	7.87E-05	1.1E-05	1.05E-03	1.18E-08	6.12E-01	1.57E-01	1.14E-09	1.0E+06	1.1E-03	5	2.26E-06
547	0.17915	7.87E-05	1.4E-05	1.05E-03	1.47E-08	6.12E-01	1.57E-01	1.42E-09	1.0E+06	1.4E-03	5	2.82E-06
548	0.22128	7.87E-05	1.7E-05	1.05E-03	1.82E-08	6.12E-01	1.57E-01	1.75E-09	1.0E+06	1.8E-03	5	3.49E-06
549	0.26602	7.87E-05	2.1E-05	1.05E-03	2.19E-08	6.12E-01	1.57E-01	2.11E-09	1.0E+06	2.1E-03	5	4.19E-06
550	0.30766	7.87E-05	2.4E-05	1.05E-03	2.53E-08	6.12E-01	1.57E-01	2.44E-09	1.0E+06	2.4E-03	5	4.85E-06
551	0.3381	7.87E-05	2.7E-05	1.05E-03	2.78E-08	6.12E-01	1.57E-01	2.68E-09	1.0E+06	2.7E-03	5	5.32E-06
552	0.32725	7.87E-05	2.6E-05	1.05E-03	2.69E-08	6.12E-01	1.57E-01	2.59E-09	1.0E+06	2.6E-03	5	5.15E-06
553	0.3018	7.87E-05	2.4E-05	1.05E-03	2.48E-08	6.12E-01	1.57E-01	2.39E-09	1.0E+06	2.4E-03	5	4.75E-06
554	0.26514	7.87E-05	2.1E-05	1.05E-03	2.18E-08	6.12E-01	1.57E-01	2.10E-09	1.0E+06	2.1E-03	5	4.18E-06
555	0.22833	7.87E-05	1.8E-05	1.05E-03	1.88E-08	6.12E-01	1.57E-01	1.81E-09	1.0E+06	1.8E-03	5	3.60E-06
556	0.19182	7.87E-05	1.5E-05	1.05E-03	1.58E-08	6.12E-01	1.57E-01	1.52E-09	1.0E+06	1.5E-03	5	3.02E-06
557	0.1605	7.87E-05	1.3E-05	1.05E-03	1.32E-08	6.12E-01	1.57E-01	1.27E-09	1.0E+06	1.3E-03	5	2.53E-06
558	0.02995	7.87E-05	2.4E-06	1.05E-03	2.47E-09	6.12E-01	1.57E-01	2.37E-10	1.0E+06	2.4E-04	5	4.72E-07
559	0.03595	7.87E-05	2.8E-06	1.05E-03	2.96E-09	6.12E-01	1.57E-01	2.85E-10	1.0E+06	2.8E-04	5	5.66E-07
560	0.04339	7.87E-05	3.4E-06	1.05E-03	3.57E-09	6.12E-01	1.57E-01	3.43E-10	1.0E+06	3.4E-04	5	6.83E-07
561	0.05285	7.87E-05	4.2E-06	1.05E-03	4.35E-09	6.12E-01	1.57E-01	4.18E-10	1.0E+06	4.2E-04	5	8.32E-07
562	0.06443	7.87E-05	5.1E-06	1.05E-03	5.30E-09	6.12E-01	1.57E-01	5.10E-10	1.0E+06	5.1E-04	5	1.01E-06
563	0.0787	7.87E-05	6.2E-06	1.05E-03	6.48E-09	6.12E-01	1.57E-01	6.23E-10	1.0E+06	6.2E-04	5	1.24E-06
564	0.09579	7.87E-05	7.5E-06	1.05E-03	7.88E-09	6.12E-01	1.57E-01	7.58E-10	1.0E+06	7.6E-04	5	1.51E-06
565	0.11427	7.87E-05	9.0E-06	1.05E-03	9.41E-09	6.12E-01	1.57E-01	9.05E-10	1.0E+06	9.0E-04	5	1.80E-06
566	0.13497	7.87E-05	1.1E-05	1.05E-03	1.11E-08	6.12E-01	1.57E-01	1.07E-09	1.0E+06	1.1E-03	5	2.13E-06
567	0.15561	7.87E-05	1.2E-05	1.05E-03	1.28E-08	6.12E-01	1.57E-01	1.23E-09	1.0E+06	1.2E-03	5	2.45E-06
568	0.17461	7.87E-05	1.4E-05	1.05E-03	1.44E-08	6.12E-01	1.57E-01	1.38E-09	1.0E+06	1.4E-03	5	2.75E-06
569	0.18534	7.87E-05	1.5E-05	1.05E-03	1.53E-08	6.12E-01	1.57E-01	1.47E-09	1.0E+06	1.5E-03	5	2.92E-06
570	0.18962	7.87E-05	1.5E-05	1.05E-03	1.56E-08	6.12E-01	1.57E-01	1.50E-09	1.0E+06	1.5E-03	5	2.99E-06
571	0.1875	7.87E-05	1.5E-05	1.05E-03	1.54E-08	6.12E-01	1.57E-01	1.48E-09	1.0E+06	1.5E-03	5	2.95E-06
572	0.17873	7.87E-05	1.4E-05	1.05E-03	1.47E-08	6.12E-01	1.57E-01	1.41E-09	1.0E+06	1.4E-03	5	2.81E-06
573	0.16416	7.87E-05	1.3E-05	1.05E-03	1.35E-08	6.12E-01	1.57E-01	1.30E-09	1.0E+06	1.3E-03	5	2.59E-06
574	0.14752	7.87E-05	1.2E-05	1.05E-03	1.21E-08	6.12E-01	1.57E-01	1.17E-09	1.0E+06	1.2E-03	5	2.32E-06
575	0.13094	7.87E-05	1.0E-05	1.05E-03	1.08E-08	6.12E-01	1.57E-01	1.04E-09	1.0E+06	1.0E-03	5	2.06E-06

#	Discrete Re	X	Y	Concentrat	Elevation (Z	Hill Heights	Flagpole (Z	Averagin Pe
1	UCART1	442230	3771880	0.01438	340.85	3068.19	0	PERIOD
2	UCART1	442330	3771880	0.01569	340.06	3068.19	0	PERIOD
3	UCART1	442430	3771880	0.01713	339.44	3068.19	0	PERIOD
4	UCART1	442530	3771880	0.0187	338.41	3068.19	0	PERIOD
5	UCART1	442630	3771880	0.02036	337.95	3068.19	0	PERIOD
6	UCART1	442730	3771880	0.02204	337.77	3068.19	0	PERIOD
7	UCART1	442830	3771880	0.02365	336.68	3068.19	0	PERIOD
8	UCART1	442930	3771880	0.02509	335.59	3068.19	0	PERIOD
9	UCART1	443030	3771880	0.02624	335.1	3068.19	0	PERIOD
10	UCART1	443130	3771880	0.027	334.12	3068.19	0	PERIOD
11	UCART1	443230	3771880	0.0273	332.9	3068.19	0	PERIOD
12	UCART1	443330	3771880	0.02709	331.79	3068.19	0	PERIOD
13	UCART1	443430	3771880	0.0264	330.76	3068.19	0	PERIOD
14	UCART1	443530	3771880	0.02529	329.79	3068.19	0	PERIOD
15	UCART1	443630	3771880	0.02385	328.96	3068.19	0	PERIOD
16	UCART1	443730	3771880	0.02221	327.62	3068.19	0	PERIOD
17	UCART1	443830	3771880	0.0205	327.44	3068.19	0	PERIOD
18	UCART1	443930	3771880	0.01882	327	3068.19	0	PERIOD
19	UCART1	444030	3771880	0.01726	325.68	3068.19	0	PERIOD
20	UCART1	444130	3771880	0.01586	325.72	3068.19	0	PERIOD
21	UCART1	444230	3771880	0.01463	325.35	3068.19	0	PERIOD
22	UCART1	444330	3771880	0.01356	323.84	3068.19	0	PERIOD
23	UCART1	442230	3771980	0.01587	342.34	3068.19	0	PERIOD
24	UCART1	442330	3771980	0.01758	341.76	3068.19	0	PERIOD
25	UCART1	442430	3771980	0.01954	341.07	3068.19	0	PERIOD
26	UCART1	442530	3771980	0.02174	340.41	3068.19	0	PERIOD
27	UCART1	442630	3771980	0.02414	339.53	3068.19	0	PERIOD
28	UCART1	442730	3771980	0.02665	339.72	3068.19	0	PERIOD
29	UCART1	442830	3771980	0.02912	338.28	3068.19	0	PERIOD
30	UCART1	442930	3771980	0.03137	337.89	3068.19	0	PERIOD
31	UCART1	443030	3771980	0.03319	336.69	3068.19	0	PERIOD
32	UCART1	443130	3771980	0.03441	335.43	3068.19	0	PERIOD
33	UCART1	443230	3771980	0.03488	333.75	3068.19	0	PERIOD
34	UCART1	443330	3771980	0.03454	333.13	3068.19	0	PERIOD
35	UCART1	443430	3771980	0.03344	332.65	3068.19	0	PERIOD
36	UCART1	443530	3771980	0.03169	332.42	3068.19	0	PERIOD
37	UCART1	443630	3771980	0.02946	330.05	3068.19	0	PERIOD
38	UCART1	443730	3771980	0.02697	329.03	3068.19	0	PERIOD
39	UCART1	443830	3771980	0.02445	329.45	3068.19	0	PERIOD
40	UCART1	443930	3771980	0.02208	329.01	3068.19	0	PERIOD
41	UCART1	444030	3771980	0.01996	327.6	3068.19	0	PERIOD
42	UCART1	444130	3771980	0.01811	325.92	3068.19	0	PERIOD
43	UCART1	444230	3771980	0.01654	323.92	3068.19	0	PERIOD
44	UCART1	444330	3771980	0.01524	325.75	3068.19	0	PERIOD
45	UCART1	442230	3772080	0.01755	344.08	3068.19	0	PERIOD
46	UCART1	442330	3772080	0.0198	343.54	3068.19	0	PERIOD

47	UCART1	442430	3772080	0.02249	343.14	3068.19	0 PERIOD
48	UCART1	442530	3772080	0.02563	342.74	3068.19	0 PERIOD
49	UCART1	442630	3772080	0.02921	341.9	3068.19	0 PERIOD
50	UCART1	442730	3772080	0.03311	341.07	3068.19	0 PERIOD
51	UCART1	442830	3772080	0.03707	340.22	3068.19	0 PERIOD
52	UCART1	442930	3772080	0.04077	339.17	3068.19	0 PERIOD
53	UCART1	443030	3772080	0.0438	338.4	3068.19	0 PERIOD
54	UCART1	443130	3772080	0.04584	336.65	3068.19	0 PERIOD
55	UCART1	443230	3772080	0.04665	335.2	3068.19	0 PERIOD
56	UCART1	443330	3772080	0.04611	334.25	3068.19	0 PERIOD
57	UCART1	443430	3772080	0.0443	333.5	3068.19	0 PERIOD
58	UCART1	443530	3772080	0.04138	334.39	3068.19	0 PERIOD
59	UCART1	443630	3772080	0.03776	331.89	3068.19	0 PERIOD
60	UCART1	443730	3772080	0.03382	330.71	3068.19	0 PERIOD
61	UCART1	443830	3772080	0.02998	331.17	3068.19	0 PERIOD
62	UCART1	443930	3772080	0.02652	330.15	3068.19	0 PERIOD
63	UCART1	444030	3772080	0.02357	328.9	3068.19	0 PERIOD
64	UCART1	444130	3772080	0.02112	327.87	3068.19	0 PERIOD
65	UCART1	444230	3772080	0.01912	327.5	3068.19	0 PERIOD
66	UCART1	444330	3772080	0.01748	327.44	3068.19	0 PERIOD
67	UCART1	442230	3772180	0.01938	346.06	3068.19	0 PERIOD
68	UCART1	442330	3772180	0.02236	345.39	3068.19	0 PERIOD
69	UCART1	442430	3772180	0.02605	345.31	3068.19	0 PERIOD
70	UCART1	442530	3772180	0.03064	344.57	3068.19	0 PERIOD
71	UCART1	442630	3772180	0.03617	343.94	3068.19	0 PERIOD
72	UCART1	442730	3772180	0.04253	343.13	3068.19	0 PERIOD
73	UCART1	442830	3772180	0.04927	342.35	3068.19	0 PERIOD
74	UCART1	442930	3772180	0.05574	340.58	3068.19	0 PERIOD
75	UCART1	443030	3772180	0.06109	339.16	3068.19	0 PERIOD
76	UCART1	443130	3772180	0.06471	338.05	3068.19	0 PERIOD
77	UCART1	443230	3772180	0.06618	337.23	3068.19	0 PERIOD
78	UCART1	443330	3772180	0.06532	337.13	3068.19	0 PERIOD
79	UCART1	443430	3772180	0.06222	335.73	3068.19	0 PERIOD
80	UCART1	443530	3772180	0.05715	334.87	3068.19	0 PERIOD
81	UCART1	443630	3772180	0.05084	333.88	3068.19	0 PERIOD
82	UCART1	443730	3772180	0.0442	334.26	3068.19	0 PERIOD
83	UCART1	443830	3772180	0.03807	332.84	3068.19	0 PERIOD
84	UCART1	443930	3772180	0.03287	332.21	3068.19	0 PERIOD
85	UCART1	444030	3772180	0.02868	328.07	3068.19	0 PERIOD
86	UCART1	444130	3772180	0.02537	329.36	3068.19	0 PERIOD
87	UCART1	444230	3772180	0.02274	328.55	3068.19	0 PERIOD
88	UCART1	444330	3772180	0.02064	328.91	3068.19	0 PERIOD
89	UCART1	442230	3772280	0.02128	347.96	3068.19	0 PERIOD
90	UCART1	442330	3772280	0.02519	346.96	3068.19	0 PERIOD
91	UCART1	442430	3772280	0.0303	346.8	3068.19	0 PERIOD
92	UCART1	442530	3772280	0.03704	346.77	3068.19	0 PERIOD
93	UCART1	442630	3772280	0.04587	346.34	3068.19	0 PERIOD

94	UCART1	442730	3772280	0.05698	344.57	3068.19	0 PERIOD
95	UCART1	442830	3772280	0.06947	343.37	3068.19	0 PERIOD
96	UCART1	442930	3772280	0.0817	341.96	3068.19	0 PERIOD
97	UCART1	443030	3772280	0.0918	340.94	3068.19	0 PERIOD
98	UCART1	443130	3772280	0.09865	339.62	3068.19	0 PERIOD
99	UCART1	443230	3772280	0.10172	338.19	3068.19	0 PERIOD
100	UCART1	443330	3772280	0.10055	337.47	3068.19	0 PERIOD
101	UCART1	443430	3772280	0.09497	336.59	3068.19	0 PERIOD
102	UCART1	443530	3772280	0.08541	335.82	3068.19	0 PERIOD
103	UCART1	443630	3772280	0.07338	335.71	3068.19	0 PERIOD
104	UCART1	443730	3772280	0.06125	334.73	3068.19	0 PERIOD
105	UCART1	443830	3772280	0.05078	334.71	3068.19	0 PERIOD
106	UCART1	443930	3772280	0.04261	333.67	3068.19	0 PERIOD
107	UCART1	444030	3772280	0.03645	331.83	3068.19	0 PERIOD
108	UCART1	444130	3772280	0.03179	330.67	3068.19	0 PERIOD
109	UCART1	444230	3772280	0.02818	329.56	3068.19	0 PERIOD
110	UCART1	444330	3772280	0.02531	330.45	3068.19	0 PERIOD
111	UCART1	442230	3772380	0.02308	349.81	3068.19	0 PERIOD
112	UCART1	442330	3772380	0.02811	348.79	3068.19	0 PERIOD
113	UCART1	442430	3772380	0.03493	349.3	3068.19	0 PERIOD
114	UCART1	442530	3772380	0.0449	349.15	3068.19	0 PERIOD
115	UCART1	442630	3772380	0.05977	347.69	3068.19	0 PERIOD
116	UCART1	442730	3772380	0.08075	345.63	3068.19	0 PERIOD
117	UCART1	442830	3772380	0.10687	344.58	3068.19	0 PERIOD
118	UCART1	442930	3772380	0.13317	343.99	3068.19	0 PERIOD
119	UCART1	443030	3772380	0.15411	342.81	3068.19	0 PERIOD
120	UCART1	443130	3772380	0.16804	341.65	3068.19	0 PERIOD
121	UCART1	443230	3772380	0.17533	340.73	3068.19	0 PERIOD
122	UCART1	443330	3772380	0.17468	339.03	3068.19	0 PERIOD
123	UCART1	443430	3772380	0.16438	338.11	3068.19	0 PERIOD
124	UCART1	443530	3772380	0.14421	337.53	3068.19	0 PERIOD
125	UCART1	443630	3772380	0.1176	337.35	3068.19	0 PERIOD
126	UCART1	443730	3772380	0.09217	336.12	3068.19	0 PERIOD
127	UCART1	443830	3772380	0.07265	335.93	3068.19	0 PERIOD
128	UCART1	443930	3772380	0.05894	335.4	3068.19	0 PERIOD
129	UCART1	444030	3772380	0.04926	333.33	3068.19	0 PERIOD
130	UCART1	444130	3772380	0.04212	332.85	3068.19	0 PERIOD
131	UCART1	444230	3772380	0.03667	331.53	3068.19	0 PERIOD
132	UCART1	444330	3772380	0.03235	332.05	3068.19	0 PERIOD
133	UCART1	442230	3772480	0.02458	351.95	3068.19	0 PERIOD
134	UCART1	442330	3772480	0.03059	351.53	3068.19	0 PERIOD
135	UCART1	442430	3772480	0.03959	351.28	3068.19	0 PERIOD
136	UCART1	442530	3772480	0.05435	349.99	3068.19	0 PERIOD
137	UCART1	442630	3772480	0.07955	347.98	3068.19	0 PERIOD
138	UCART1	442730	3772480	0.12284	347.44	3068.19	0 PERIOD
139	UCART1	442830	3772480	0.19239	346.36	3068.19	0 PERIOD
140	UCART1	442930	3772480	0.26503	346.34	3068.19	0 PERIOD

141	UCART1	443030	3772480	0.31576	344.2	3068.19	0 PERIOD
142	UCART1	443130	3772480	0.34621	343.75	3068.19	0 PERIOD
143	UCART1	443230	3772480	0.3703	342.59	3068.19	0 PERIOD
144	UCART1	443330	3772480	0.3737	341.03	3068.19	0 PERIOD
145	UCART1	443430	3772480	0.35451	339.98	3068.19	0 PERIOD
146	UCART1	443530	3772480	0.30384	339.08	3068.19	0 PERIOD
147	UCART1	443630	3772480	0.22471	338.98	3068.19	0 PERIOD
148	UCART1	443730	3772480	0.15714	337.86	3068.19	0 PERIOD
149	UCART1	443830	3772480	0.11508	338.18	3068.19	0 PERIOD
150	UCART1	443930	3772480	0.089	336.11	3068.19	0 PERIOD
151	UCART1	444030	3772480	0.07149	334.18	3068.19	0 PERIOD
152	UCART1	444130	3772480	0.05903	334.08	3068.19	0 PERIOD
153	UCART1	444230	3772480	0.04981	333.36	3068.19	0 PERIOD
154	UCART1	444330	3772480	0.04276	333.31	3068.19	0 PERIOD
155	UCART1	442230	3772580	0.02548	355.15	3068.19	0 PERIOD
156	UCART1	442330	3772580	0.03233	354.45	3068.19	0 PERIOD
157	UCART1	442430	3772580	0.04354	353.01	3068.19	0 PERIOD
158	UCART1	442530	3772580	0.0626	352.65	3068.19	0 PERIOD
159	UCART1	442630	3772580	0.10146	351.36	3068.19	0 PERIOD
160	UCART1	442730	3772580	0.19626	350.38	3068.19	0 PERIOD
161	UCART1	442830	3772580	0.52811	349.6	3068.19	0 PERIOD
162	UCART1	442930	3772580	0.95064	347.79	3068.19	0 PERIOD
163	UCART1	443030	3772580	1.14754	346.66	3068.19	0 PERIOD
164	UCART1	443130	3772580	1.14449	345.51	3068.19	0 PERIOD
165	UCART1	443230	3772580	1.38235	344.42	3068.19	0 PERIOD
166	UCART1	443330	3772580	1.3436	343.6	3068.19	0 PERIOD
167	UCART1	443430	3772580	1.32059	342.47	3068.19	0 PERIOD
168	UCART1	443530	3772580	1.14738	341.65	3068.19	0 PERIOD
169	UCART1	443630	3772580	0.63435	341.69	3068.19	0 PERIOD
170	UCART1	443730	3772580	0.3222	339.93	3068.19	0 PERIOD
171	UCART1	443830	3772580	0.20423	337.52	3068.19	0 PERIOD
172	UCART1	443930	3772580	0.14381	338.02	3068.19	0 PERIOD
173	UCART1	444030	3772580	0.1081	336.4	3068.19	0 PERIOD
174	UCART1	444130	3772580	0.0848	335.64	3068.19	0 PERIOD
175	UCART1	444230	3772580	0.06864	336.27	3068.19	0 PERIOD
176	UCART1	444330	3772580	0.05698	336.32	3068.19	0 PERIOD
177	UCART1	442230	3772680	0.02626	356.67	3068.19	0 PERIOD
178	UCART1	442330	3772680	0.03372	355.62	3068.19	0 PERIOD
179	UCART1	442430	3772680	0.04619	354.24	3068.19	0 PERIOD
180	UCART1	442530	3772680	0.06932	353.08	3068.19	0 PERIOD
181	UCART1	442630	3772680	0.12019	352.29	3068.19	0 PERIOD
182	UCART1	442730	3772680	0.27703	351.83	3068.19	0 PERIOD
183	UCART1	442830	3772680	1.76771	351.08	3068.19	0 PERIOD
184	UCART1	443630	3772680	2.02166	343.13	3068.19	0 PERIOD
185	UCART1	443730	3772680	0.64685	339.38	3068.19	0 PERIOD
186	UCART1	443830	3772680	0.34727	341.24	3068.19	0 PERIOD
187	UCART1	443930	3772680	0.22322	339.68	3068.19	0 PERIOD

188	UCART1	444030	3772680	0.15755	337.74	3068.19	0 PERIOD
189	UCART1	444130	3772680	0.11785	337.58	3068.19	0 PERIOD
190	UCART1	444230	3772680	0.09196	337.69	3068.19	0 PERIOD
191	UCART1	444330	3772680	0.07411	337.5	3068.19	0 PERIOD
192	UCART1	442230	3772780	0.02656	358.67	3068.19	0 PERIOD
193	UCART1	442330	3772780	0.03404	357.95	3068.19	0 PERIOD
194	UCART1	442430	3772780	0.04653	356.66	3068.19	0 PERIOD
195	UCART1	442530	3772780	0.06954	355.65	3068.19	0 PERIOD
196	UCART1	442630	3772780	0.12065	354.46	3068.19	0 PERIOD
197	UCART1	442730	3772780	0.27422	354.17	3068.19	0 PERIOD
198	UCART1	442830	3772780	1.76698	353.07	3068.19	0 PERIOD
199	UCART1	443130	3772780	2.25993	349.81	3068.19	0 PERIOD
200	UCART1	443630	3772780	1.86874	344.31	3068.19	0 PERIOD
201	UCART1	443730	3772780	0.819	342.65	3068.19	0 PERIOD
202	UCART1	443830	3772780	0.46139	340.39	3068.19	0 PERIOD
203	UCART1	443930	3772780	0.2942	340.79	3068.19	0 PERIOD
204	UCART1	444030	3772780	0.20407	339.78	3068.19	0 PERIOD
205	UCART1	444130	3772780	0.14993	339.31	3068.19	0 PERIOD
206	UCART1	444230	3772780	0.115	339.03	3068.19	0 PERIOD
207	UCART1	444330	3772780	0.09116	339.97	3068.19	0 PERIOD
208	UCART1	442230	3772880	0.02649	360.63	3068.19	0 PERIOD
209	UCART1	442330	3772880	0.03366	359.93	3068.19	0 PERIOD
210	UCART1	442430	3772880	0.04492	359.92	3068.19	0 PERIOD
211	UCART1	442530	3772880	0.06498	358.62	3068.19	0 PERIOD
212	UCART1	442630	3772880	0.10392	357.96	3068.19	0 PERIOD
213	UCART1	442730	3772880	0.19656	356.78	3068.19	0 PERIOD
214	UCART1	442830	3772880	0.4953	355.22	3068.19	0 PERIOD
215	UCART1	442930	3772880	1.05755	354.31	3068.19	0 PERIOD
216	UCART1	443030	3772880	1.23806	351.88	3068.19	0 PERIOD
217	UCART1	443130	3772880	1.06867	350.96	3068.19	0 PERIOD
218	UCART1	443530	3772880	2.8323	345.36	3068.19	0 PERIOD
219	UCART1	443630	3772880	1.2335	345.16	3068.19	0 PERIOD
220	UCART1	443730	3772880	0.72626	345.08	3068.19	0 PERIOD
221	UCART1	443830	3772880	0.46623	344.75	3068.19	0 PERIOD
222	UCART1	443930	3772880	0.31748	343.77	3068.19	0 PERIOD
223	UCART1	444030	3772880	0.22738	342.51	3068.19	0 PERIOD
224	UCART1	444130	3772880	0.16979	341.31	3068.19	0 PERIOD
225	UCART1	444230	3772880	0.13119	340.18	3068.19	0 PERIOD
226	UCART1	444330	3772880	0.10421	340.69	3068.19	0 PERIOD
227	UCART1	442230	3772980	0.02601	362.8	3068.19	0 PERIOD
228	UCART1	442330	3772980	0.03247	362.39	3068.19	0 PERIOD
229	UCART1	442430	3772980	0.04222	361.99	3068.19	0 PERIOD
230	UCART1	442530	3772980	0.05776	361.23	3068.19	0 PERIOD
231	UCART1	442630	3772980	0.08368	360.35	3068.19	0 PERIOD
232	UCART1	442730	3772980	0.12764	359.95	3068.19	0 PERIOD
233	UCART1	442830	3772980	0.20256	357.84	3068.19	0 PERIOD
234	UCART1	442930	3772980	0.30255	356.58	3068.19	0 PERIOD

235	UCART1	443030	3772980	0.40492	355.04	3068.19	0 PERIOD
236	UCART1	443130	3772980	0.50737	353.5	3068.19	0 PERIOD
237	UCART1	443230	3772980	0.73441	352.06	3068.19	0 PERIOD
238	UCART1	443330	3772980	1.15869	350.38	3068.19	0 PERIOD
239	UCART1	443430	3772980	1.33024	348.93	3068.19	0 PERIOD
240	UCART1	443530	3772980	1.0895	348.63	3068.19	0 PERIOD
241	UCART1	443630	3772980	0.75955	347.68	3068.19	0 PERIOD
242	UCART1	443730	3772980	0.53889	348.64	3068.19	0 PERIOD
243	UCART1	443830	3772980	0.39177	347.58	3068.19	0 PERIOD
244	UCART1	443930	3772980	0.29118	345.87	3068.19	0 PERIOD
245	UCART1	444030	3772980	0.22102	344.9	3068.19	0 PERIOD
246	UCART1	444130	3772980	0.17151	343.74	3068.19	0 PERIOD
247	UCART1	444230	3772980	0.13599	342.71	3068.19	0 PERIOD
248	UCART1	444330	3772980	0.10994	343.13	3068.19	0 PERIOD
249	UCART1	442230	3773080	0.02517	364.88	3068.19	0 PERIOD
250	UCART1	442330	3773080	0.03073	364.68	3068.19	0 PERIOD
251	UCART1	442430	3773080	0.03854	364.46	3068.19	0 PERIOD
252	UCART1	442530	3773080	0.04987	363.49	3068.19	0 PERIOD
253	UCART1	442630	3773080	0.06608	362.79	3068.19	0 PERIOD
254	UCART1	442730	3773080	0.08949	361.05	3068.19	0 PERIOD
255	UCART1	442830	3773080	0.12075	360.16	3068.19	0 PERIOD
256	UCART1	442930	3773080	0.16154	357.97	3068.19	0 PERIOD
257	UCART1	443030	3773080	0.20802	357.1	3068.19	0 PERIOD
258	UCART1	443130	3773080	0.2628	356.06	3068.19	0 PERIOD
259	UCART1	443230	3773080	0.33174	354.07	3068.19	0 PERIOD
260	UCART1	443330	3773080	0.40804	352.1	3068.19	0 PERIOD
261	UCART1	443430	3773080	0.46468	350.29	3068.19	0 PERIOD
262	UCART1	443530	3773080	0.46625	350.02	3068.19	0 PERIOD
263	UCART1	443630	3773080	0.42118	350.13	3068.19	0 PERIOD
264	UCART1	443730	3773080	0.3561	349.94	3068.19	0 PERIOD
265	UCART1	443830	3773080	0.29297	347.78	3068.19	0 PERIOD
266	UCART1	443930	3773080	0.23821	346.28	3068.19	0 PERIOD
267	UCART1	444030	3773080	0.19314	346.49	3068.19	0 PERIOD
268	UCART1	444130	3773080	0.1576	345.68	3068.19	0 PERIOD
269	UCART1	444230	3773080	0.12976	344.51	3068.19	0 PERIOD
270	UCART1	444330	3773080	0.1079	344.42	3068.19	0 PERIOD
271	UCART1	442230	3773180	0.024	367.65	3068.19	0 PERIOD
272	UCART1	442330	3773180	0.02857	367.52	3068.19	0 PERIOD
273	UCART1	442430	3773180	0.03462	366.9	3068.19	0 PERIOD
274	UCART1	442530	3773180	0.04257	366.21	3068.19	0 PERIOD
275	UCART1	442630	3773180	0.05294	365.29	3068.19	0 PERIOD
276	UCART1	442730	3773180	0.06642	363.72	3068.19	0 PERIOD
277	UCART1	442830	3773180	0.08343	362.31	3068.19	0 PERIOD
278	UCART1	442930	3773180	0.10395	361.23	3068.19	0 PERIOD
279	UCART1	443030	3773180	0.12815	359.52	3068.19	0 PERIOD
280	UCART1	443130	3773180	0.15531	357.88	3068.19	0 PERIOD
281	UCART1	443230	3773180	0.18524	355.8	3068.19	0 PERIOD

282	UCART1	443330	3773180	0.21458	353.68	3068.19	0 PERIOD
283	UCART1	443430	3773180	0.23683	352.42	3068.19	0 PERIOD
284	UCART1	443530	3773180	0.24438	353.74	3068.19	0 PERIOD
285	UCART1	443630	3773180	0.24228	352.62	3068.19	0 PERIOD
286	UCART1	443730	3773180	0.2275	352.1	3068.19	0 PERIOD
287	UCART1	443830	3773180	0.20535	351.58	3068.19	0 PERIOD
288	UCART1	443930	3773180	0.18088	350.45	3068.19	0 PERIOD
289	UCART1	444030	3773180	0.15656	350.28	3068.19	0 PERIOD
290	UCART1	444130	3773180	0.13505	347.64	3068.19	0 PERIOD
291	UCART1	444230	3773180	0.11583	347.48	3068.19	0 PERIOD
292	UCART1	444330	3773180	0.09962	346.94	3068.19	0 PERIOD
293	UCART1	442230	3773280	0.02265	370.22	3068.19	0 PERIOD
294	UCART1	442330	3773280	0.02634	369.79	3068.19	0 PERIOD
295	UCART1	442430	3773280	0.03091	369.28	3068.19	0 PERIOD
296	UCART1	442530	3773280	0.03651	368.86	3068.19	0 PERIOD
297	UCART1	442630	3773280	0.04345	367.43	3068.19	0 PERIOD
298	UCART1	442730	3773280	0.05188	366.17	3068.19	0 PERIOD
299	UCART1	442830	3773280	0.06211	364.69	3068.19	0 PERIOD
300	UCART1	442930	3773280	0.07428	362.56	3068.19	0 PERIOD
301	UCART1	443030	3773280	0.08731	361.76	3068.19	0 PERIOD
302	UCART1	443130	3773280	0.10189	359.5	3068.19	0 PERIOD
303	UCART1	443230	3773280	0.11694	357.59	3068.19	0 PERIOD
304	UCART1	443330	3773280	0.13182	355.35	3068.19	0 PERIOD
305	UCART1	443430	3773280	0.14328	354.52	3068.19	0 PERIOD
306	UCART1	443530	3773280	0.14962	355.14	3068.19	0 PERIOD
307	UCART1	443630	3773280	0.152	354.87	3068.19	0 PERIOD
308	UCART1	443730	3773280	0.14951	354.8	3068.19	0 PERIOD
309	UCART1	443830	3773280	0.14425	351.9	3068.19	0 PERIOD
310	UCART1	443930	3773280	0.13414	351.95	3068.19	0 PERIOD
311	UCART1	444030	3773280	0.12259	351.34	3068.19	0 PERIOD
312	UCART1	444130	3773280	0.11084	349.23	3068.19	0 PERIOD
313	UCART1	444230	3773280	0.09894	349.11	3068.19	0 PERIOD
314	UCART1	444330	3773280	0.08795	349.12	3068.19	0 PERIOD
315	UCART1	442230	3773380	0.0212	373.52	3068.19	0 PERIOD
316	UCART1	442330	3773380	0.02412	372.76	3068.19	0 PERIOD
317	UCART1	442430	3773380	0.02756	372.1	3068.19	0 PERIOD
318	UCART1	442530	3773380	0.03158	371.47	3068.19	0 PERIOD
319	UCART1	442630	3773380	0.03626	370.94	3068.19	0 PERIOD
320	UCART1	442730	3773380	0.04201	368.2	3068.19	0 PERIOD
321	UCART1	442830	3773380	0.04848	367.08	3068.19	0 PERIOD
322	UCART1	442930	3773380	0.05585	365.3	3068.19	0 PERIOD
323	UCART1	443030	3773380	0.06392	362.97	3068.19	0 PERIOD
324	UCART1	443130	3773380	0.07224	361.15	3068.19	0 PERIOD
325	UCART1	443230	3773380	0.08079	359.28	3068.19	0 PERIOD
326	UCART1	443330	3773380	0.08923	357.24	3068.19	0 PERIOD
327	UCART1	443430	3773380	0.09775	353.04	3068.19	0 PERIOD
328	UCART1	443530	3773380	0.10056	356.98	3068.19	0 PERIOD

329	UCART1	443630	3773380	0.10323	356.85	3068.19	0 PERIOD
330	UCART1	443730	3773380	0.10406	356.05	3068.19	0 PERIOD
331	UCART1	443830	3773380	0.10287	354.98	3068.19	0 PERIOD
332	UCART1	443930	3773380	0.09973	353.8	3068.19	0 PERIOD
333	UCART1	444030	3773380	0.09463	353.71	3068.19	0 PERIOD
334	UCART1	444130	3773380	0.08888	351.8	3068.19	0 PERIOD
335	UCART1	444230	3773380	0.08226	351.09	3068.19	0 PERIOD
336	UCART1	444330	3773380	0.07547	350.71	3068.19	0 PERIOD
337	UCART1	442230	3773480	0.01978	375.75	3068.19	0 PERIOD
338	UCART1	442330	3773480	0.02207	375.17	3068.19	0 PERIOD
339	UCART1	442430	3773480	0.02464	374.93	3068.19	0 PERIOD
340	UCART1	442530	3773480	0.02761	373.53	3068.19	0 PERIOD
341	UCART1	442630	3773480	0.03095	372.86	3068.19	0 PERIOD
342	UCART1	442730	3773480	0.0349	370.24	3068.19	0 PERIOD
343	UCART1	442830	3773480	0.03919	369.26	3068.19	0 PERIOD
344	UCART1	442930	3773480	0.04397	367.21	3068.19	0 PERIOD
345	UCART1	443030	3773480	0.04905	365.11	3068.19	0 PERIOD
346	UCART1	443130	3773480	0.05441	362.56	3068.19	0 PERIOD
347	UCART1	443230	3773480	0.05965	361.12	3068.19	0 PERIOD
348	UCART1	443330	3773480	0.0648	359.46	3068.19	0 PERIOD
349	UCART1	443430	3773480	0.06869	360.62	3068.19	0 PERIOD
350	UCART1	443530	3773480	0.07216	359.88	3068.19	0 PERIOD
351	UCART1	443630	3773480	0.0746	359.01	3068.19	0 PERIOD
352	UCART1	443730	3773480	0.07569	359.14	3068.19	0 PERIOD
353	UCART1	443830	3773480	0.07629	357.04	3068.19	0 PERIOD
354	UCART1	443930	3773480	0.07544	356.52	3068.19	0 PERIOD
355	UCART1	444030	3773480	0.07372	355.25	3068.19	0 PERIOD
356	UCART1	444130	3773480	0.07108	353.98	3068.19	0 PERIOD
357	UCART1	444230	3773480	0.0676	353.46	3068.19	0 PERIOD
358	UCART1	444330	3773480	0.06366	353.19	3068.19	0 PERIOD
359	UCART1	442230	3773580	0.01838	378.77	3068.19	0 PERIOD
360	UCART1	442330	3773580	0.02018	377.74	3068.19	0 PERIOD
361	UCART1	442430	3773580	0.02215	377.01	3068.19	0 PERIOD
362	UCART1	442530	3773580	0.02434	376.13	3068.19	0 PERIOD
363	UCART1	442630	3773580	0.02676	375.44	3068.19	0 PERIOD
364	UCART1	442730	3773580	0.02952	373.35	3068.19	0 PERIOD
365	UCART1	442830	3773580	0.03254	371.32	3068.19	0 PERIOD
366	UCART1	442930	3773580	0.0358	369.03	3068.19	0 PERIOD
367	UCART1	443030	3773580	0.0393	366.25	3068.19	0 PERIOD
368	UCART1	443130	3773580	0.04282	364.5	3068.19	0 PERIOD
369	UCART1	443230	3773580	0.04625	363.51	3068.19	0 PERIOD
370	UCART1	443330	3773580	0.04946	363.16	3068.19	0 PERIOD
371	UCART1	443430	3773580	0.05247	362.07	3068.19	0 PERIOD
372	UCART1	443530	3773580	0.05492	361.41	3068.19	0 PERIOD
373	UCART1	443630	3773580	0.05664	361.47	3068.19	0 PERIOD
374	UCART1	443730	3773580	0.05774	361.54	3068.19	0 PERIOD
375	UCART1	443830	3773580	0.05858	359.72	3068.19	0 PERIOD

376	UCART1	443930	3773580	0.05867	359.05	3068.19	0 PERIOD
377	UCART1	444030	3773580	0.05825	357.79	3068.19	0 PERIOD
378	UCART1	444130	3773580	0.05741	355.24	3068.19	0 PERIOD
379	UCART1	444230	3773580	0.05579	354.2	3068.19	0 PERIOD
380	UCART1	444330	3773580	0.05355	354.62	3068.19	0 PERIOD
381	UCART2	442380	3772130	0.02253	344.85	3068.19	0 PERIOD
382	UCART2	442480	3772130	0.02599	344.2	3068.19	0 PERIOD
383	UCART2	442580	3772130	0.03011	343.5	3068.19	0 PERIOD
384	UCART2	442680	3772130	0.03483	342.71	3068.19	0 PERIOD
385	UCART2	442780	3772130	0.03991	342.17	3068.19	0 PERIOD
386	UCART2	442880	3772130	0.04497	340.84	3068.19	0 PERIOD
387	UCART2	442980	3772130	0.04947	338.9	3068.19	0 PERIOD
388	UCART2	443080	3772130	0.05286	337.73	3068.19	0 PERIOD
389	UCART2	443180	3772130	0.05477	336.63	3068.19	0 PERIOD
390	UCART2	443280	3772130	0.05498	335.74	3068.19	0 PERIOD
391	UCART2	443380	3772130	0.05344	334.81	3068.19	0 PERIOD
392	UCART2	443480	3772130	0.0503	334.09	3068.19	0 PERIOD
393	UCART2	443580	3772130	0.04596	333.29	3068.19	0 PERIOD
394	UCART2	443680	3772130	0.04096	333.23	3068.19	0 PERIOD
395	UCART2	443780	3772130	0.03596	331.67	3068.19	0 PERIOD
396	UCART2	443880	3772130	0.03142	330.47	3068.19	0 PERIOD
397	UCART2	443980	3772130	0.02755	329.43	3068.19	0 PERIOD
398	UCART2	444080	3772130	0.02439	327.99	3068.19	0 PERIOD
399	UCART2	442380	3772230	0.02578	346.28	3068.19	0 PERIOD
400	UCART2	442480	3772230	0.0307	345.98	3068.19	0 PERIOD
401	UCART2	442580	3772230	0.03693	345.82	3068.19	0 PERIOD
402	UCART2	442680	3772230	0.04461	344.74	3068.19	0 PERIOD
403	UCART2	442780	3772230	0.05344	343.21	3068.19	0 PERIOD
404	UCART2	442880	3772230	0.06254	341.06	3068.19	0 PERIOD
405	UCART2	442980	3772230	0.07072	339.55	3068.19	0 PERIOD
406	UCART2	443080	3772230	0.0769	338.53	3068.19	0 PERIOD
407	UCART2	443180	3772230	0.08045	337.63	3068.19	0 PERIOD
408	UCART2	443280	3772230	0.08098	337.48	3068.19	0 PERIOD
409	UCART2	443380	3772230	0.07837	336.76	3068.19	0 PERIOD
410	UCART2	443480	3772230	0.07278	335.33	3068.19	0 PERIOD
411	UCART2	443580	3772230	0.06487	334.97	3068.19	0 PERIOD
412	UCART2	443680	3772230	0.05595	335.19	3068.19	0 PERIOD
413	UCART2	443780	3772230	0.04746	333.87	3068.19	0 PERIOD
414	UCART2	443880	3772230	0.04023	332.73	3068.19	0 PERIOD
415	UCART2	443980	3772230	0.03449	331.07	3068.19	0 PERIOD
416	UCART2	444080	3772230	0.03005	327.68	3068.19	0 PERIOD
417	UCART2	442380	3772330	0.02937	348.23	3068.19	0 PERIOD
418	UCART2	442480	3772330	0.0364	347.82	3068.19	0 PERIOD
419	UCART2	442580	3772330	0.04611	347.29	3068.19	0 PERIOD
420	UCART2	442680	3772330	0.05935	345.78	3068.19	0 PERIOD
421	UCART2	442780	3772330	0.07596	344.27	3068.19	0 PERIOD
422	UCART2	442880	3772330	0.09402	343.4	3068.19	0 PERIOD

423	UCART2	442980	3772330	0.11027	342.38	3068.19	0 PERIOD
424	UCART2	443080	3772330	0.12235	341.14	3068.19	0 PERIOD
425	UCART2	443180	3772330	0.1296	339.41	3068.19	0 PERIOD
426	UCART2	443280	3772330	0.13138	338.94	3068.19	0 PERIOD
427	UCART2	443380	3772330	0.1271	337.58	3068.19	0 PERIOD
428	UCART2	443480	3772330	0.11634	337.14	3068.19	0 PERIOD
429	UCART2	443580	3772330	0.10035	336.76	3068.19	0 PERIOD
430	UCART2	443680	3772330	0.08254	335.85	3068.19	0 PERIOD
431	UCART2	443780	3772330	0.06669	334.95	3068.19	0 PERIOD
432	UCART2	443880	3772330	0.05447	333.94	3068.19	0 PERIOD
433	UCART2	443980	3772330	0.04551	334.55	3068.19	0 PERIOD
434	UCART2	444080	3772330	0.03897	331.71	3068.19	0 PERIOD
435	UCART2	442380	3772430	0.03292	350.52	3068.19	0 PERIOD
436	UCART2	442480	3772430	0.04278	349.8	3068.19	0 PERIOD
437	UCART2	442580	3772430	0.05819	348.45	3068.19	0 PERIOD
438	UCART2	442680	3772430	0.08234	346.68	3068.19	0 PERIOD
439	UCART2	442780	3772430	0.11798	346.01	3068.19	0 PERIOD
440	UCART2	442880	3772430	0.16126	345.11	3068.19	0 PERIOD
441	UCART2	442980	3772430	0.19877	344.1	3068.19	0 PERIOD
442	UCART2	443080	3772430	0.22434	343.14	3068.19	0 PERIOD
443	UCART2	443180	3772430	0.24083	342.17	3068.19	0 PERIOD
444	UCART2	443280	3772430	0.24807	340.92	3068.19	0 PERIOD
445	UCART2	443380	3772430	0.24147	339.71	3068.19	0 PERIOD
446	UCART2	443480	3772430	0.21912	339.11	3068.19	0 PERIOD
447	UCART2	443580	3772430	0.18022	338.69	3068.19	0 PERIOD
448	UCART2	443680	3772430	0.13666	337.01	3068.19	0 PERIOD
449	UCART2	443780	3772430	0.10262	336.78	3068.19	0 PERIOD
450	UCART2	443880	3772430	0.07989	337.01	3068.19	0 PERIOD
451	UCART2	443980	3772430	0.06471	333.54	3068.19	0 PERIOD
452	UCART2	444080	3772430	0.05388	333.05	3068.19	0 PERIOD
453	UCART2	442380	3772530	0.03603	352.57	3068.19	0 PERIOD
454	UCART2	442480	3772530	0.04899	351.89	3068.19	0 PERIOD
455	UCART2	442580	3772530	0.07223	350.33	3068.19	0 PERIOD
456	UCART2	442680	3772530	0.11701	349.11	3068.19	0 PERIOD
457	UCART2	442780	3772530	0.2127	348.02	3068.19	0 PERIOD
458	UCART2	442880	3772530	0.37369	347.49	3068.19	0 PERIOD
459	UCART2	442980	3772530	0.48978	346.06	3068.19	0 PERIOD
460	UCART2	443080	3772530	0.55097	344.87	3068.19	0 PERIOD
461	UCART2	443180	3772530	0.59804	343.7	3068.19	0 PERIOD
462	UCART2	443280	3772530	0.63882	342.9	3068.19	0 PERIOD
463	UCART2	443380	3772530	0.6226	342.2	3068.19	0 PERIOD
464	UCART2	443480	3772530	0.57784	341.06	3068.19	0 PERIOD
465	UCART2	443580	3772530	0.43858	340.04	3068.19	0 PERIOD
466	UCART2	443680	3772530	0.274	339.3	3068.19	0 PERIOD
467	UCART2	443780	3772530	0.18051	338.86	3068.19	0 PERIOD
468	UCART2	443880	3772530	0.12984	337.74	3068.19	0 PERIOD
469	UCART2	443980	3772530	0.09899	336.27	3068.19	0 PERIOD

470	UCART2	444080	3772530	0.07854	334.91	3068.19	0 PERIOD
471	UCART2	442380	3772630	0.03816	354.81	3068.19	0 PERIOD
472	UCART2	442480	3772630	0.05389	353.54	3068.19	0 PERIOD
473	UCART2	442580	3772630	0.08442	352.46	3068.19	0 PERIOD
474	UCART2	442680	3772630	0.15668	351.82	3068.19	0 PERIOD
475	UCART2	442780	3772630	0.43093	351.34	3068.19	0 PERIOD
476	UCART2	443680	3772630	0.71106	341.2	3068.19	0 PERIOD
477	UCART2	443780	3772630	0.35026	338.22	3068.19	0 PERIOD
478	UCART2	443880	3772630	0.21915	340.54	3068.19	0 PERIOD
479	UCART2	443980	3772630	0.15338	339.54	3068.19	0 PERIOD
480	UCART2	444080	3772630	0.11466	336.7	3068.19	0 PERIOD
481	UCART2	442380	3772730	0.03927	356.63	3068.19	0 PERIOD
482	UCART2	442480	3772730	0.05613	355.26	3068.19	0 PERIOD
483	UCART2	442580	3772730	0.08932	354.91	3068.19	0 PERIOD
484	UCART2	442680	3772730	0.17498	354.26	3068.19	0 PERIOD
485	UCART2	442780	3772730	0.568	352.56	3068.19	0 PERIOD
486	UCART2	443680	3772730	1.18579	340.66	3068.19	0 PERIOD
487	UCART2	443780	3772730	0.55103	341.6	3068.19	0 PERIOD
488	UCART2	443880	3772730	0.32582	340.02	3068.19	0 PERIOD
489	UCART2	443980	3772730	0.21679	340.59	3068.19	0 PERIOD
490	UCART2	444080	3772730	0.1558	338.98	3068.19	0 PERIOD
491	UCART2	442380	3772830	0.0391	358.81	3068.19	0 PERIOD
492	UCART2	442480	3772830	0.05503	357.79	3068.19	0 PERIOD
493	UCART2	442580	3772830	0.0853	357.44	3068.19	0 PERIOD
494	UCART2	442680	3772830	0.15688	356.48	3068.19	0 PERIOD
495	UCART2	442780	3772830	0.42029	355.08	3068.19	0 PERIOD
496	UCART2	443080	3772830	1.92949	350.11	3068.19	0 PERIOD
497	UCART2	443180	3772830	1.58185	350.54	3068.19	0 PERIOD
498	UCART2	443580	3772830	2.31241	341.46	3068.19	0 PERIOD
499	UCART2	443680	3772830	1.07166	344.9	3068.19	0 PERIOD
500	UCART2	443780	3772830	0.60701	343.36	3068.19	0 PERIOD
501	UCART2	443880	3772830	0.38215	343.13	3068.19	0 PERIOD
502	UCART2	443980	3772830	0.26017	341.59	3068.19	0 PERIOD
503	UCART2	444080	3772830	0.18756	340.33	3068.19	0 PERIOD
504	UCART2	442380	3772930	0.03784	360.96	3068.19	0 PERIOD
505	UCART2	442480	3772930	0.05134	360.79	3068.19	0 PERIOD
506	UCART2	442580	3772930	0.07532	359.24	3068.19	0 PERIOD
507	UCART2	442680	3772930	0.11979	359	3068.19	0 PERIOD
508	UCART2	442780	3772930	0.2147	357.06	3068.19	0 PERIOD
509	UCART2	442880	3772930	0.38989	356.09	3068.19	0 PERIOD
510	UCART2	442980	3772930	0.58345	355	3068.19	0 PERIOD
511	UCART2	443080	3772930	0.68426	353.59	3068.19	0 PERIOD
512	UCART2	443180	3772930	0.85941	351.7	3068.19	0 PERIOD
513	UCART2	443280	3772930	2.77875	350.43	3068.19	0 PERIOD
514	UCART2	443380	3772930	3.51315	348.87	3068.19	0 PERIOD
515	UCART2	443480	3772930	2.88362	348.03	3068.19	0 PERIOD
516	UCART2	443580	3772930	1.29169	347.35	3068.19	0 PERIOD

517	UCART2	443680	3772930	0.78486	346.43	3068.19	0 PERIOD
518	UCART2	443780	3772930	0.52381	346.06	3068.19	0 PERIOD
519	UCART2	443880	3772930	0.36546	345.22	3068.19	0 PERIOD
520	UCART2	443980	3772930	0.26438	343.92	3068.19	0 PERIOD
521	UCART2	444080	3772930	0.19772	342.74	3068.19	0 PERIOD
522	UCART2	442380	3773030	0.03561	363.46	3068.19	0 PERIOD
523	UCART2	442480	3773030	0.04649	362.46	3068.19	0 PERIOD
524	UCART2	442580	3773030	0.06309	361.56	3068.19	0 PERIOD
525	UCART2	442680	3773030	0.0886	360.87	3068.19	0 PERIOD
526	UCART2	442780	3773030	0.12621	360.81	3068.19	0 PERIOD
527	UCART2	442880	3773030	0.18118	358.18	3068.19	0 PERIOD
528	UCART2	442980	3773030	0.2456	356.93	3068.19	0 PERIOD
529	UCART2	443080	3773030	0.31763	355.51	3068.19	0 PERIOD
530	UCART2	443180	3773030	0.41113	353.72	3068.19	0 PERIOD
531	UCART2	443280	3773030	0.55057	352.25	3068.19	0 PERIOD
532	UCART2	443380	3773030	0.69291	350.59	3068.19	0 PERIOD
533	UCART2	443480	3773030	0.7283	348.69	3068.19	0 PERIOD
534	UCART2	443580	3773030	0.63288	349.42	3068.19	0 PERIOD
535	UCART2	443680	3773030	0.5023	348.55	3068.19	0 PERIOD
536	UCART2	443780	3773030	0.38917	348.07	3068.19	0 PERIOD
537	UCART2	443880	3773030	0.30186	346.42	3068.19	0 PERIOD
538	UCART2	443980	3773030	0.23547	346.25	3068.19	0 PERIOD
539	UCART2	444080	3773030	0.18607	344.55	3068.19	0 PERIOD
540	UCART2	442380	3773130	0.03286	365.91	3068.19	0 PERIOD
541	UCART2	442480	3773130	0.04101	364.91	3068.19	0 PERIOD
542	UCART2	442580	3773130	0.05215	364.03	3068.19	0 PERIOD
543	UCART2	442680	3773130	0.06716	363.12	3068.19	0 PERIOD
544	UCART2	442780	3773130	0.08732	361.46	3068.19	0 PERIOD
545	UCART2	442880	3773130	0.11247	360.67	3068.19	0 PERIOD
546	UCART2	442980	3773130	0.14346	359	3068.19	0 PERIOD
547	UCART2	443080	3773130	0.17915	357.71	3068.19	0 PERIOD
548	UCART2	443180	3773130	0.22128	355.62	3068.19	0 PERIOD
549	UCART2	443280	3773130	0.26602	354.06	3068.19	0 PERIOD
550	UCART2	443380	3773130	0.30766	351.96	3068.19	0 PERIOD
551	UCART2	443480	3773130	0.3381	347.39	3068.19	0 PERIOD
552	UCART2	443580	3773130	0.32725	350.97	3068.19	0 PERIOD
553	UCART2	443680	3773130	0.3018	351.2	3068.19	0 PERIOD
554	UCART2	443780	3773130	0.26514	351.1	3068.19	0 PERIOD
555	UCART2	443880	3773130	0.22833	346.41	3068.19	0 PERIOD
556	UCART2	443980	3773130	0.19182	346.77	3068.19	0 PERIOD
557	UCART2	444080	3773130	0.1605	346.99	3068.19	0 PERIOD
558	UCART2	442380	3773230	0.02995	368.22	3068.19	0 PERIOD
559	UCART2	442480	3773230	0.03595	367.09	3068.19	0 PERIOD
560	UCART2	442580	3773230	0.04339	366.82	3068.19	0 PERIOD
561	UCART2	442680	3773230	0.05285	365.53	3068.19	0 PERIOD
562	UCART2	442780	3773230	0.06443	364.85	3068.19	0 PERIOD
563	UCART2	442880	3773230	0.0787	363.49	3068.19	0 PERIOD

564	UCART2	442980	3773230	0.09579	361.13	3068.19	0	PERIOD
565	UCART2	443080	3773230	0.11427	359.83	3068.19	0	PERIOD
566	UCART2	443180	3773230	0.13497	357.45	3068.19	0	PERIOD
567	UCART2	443280	3773230	0.15561	355.76	3068.19	0	PERIOD
568	UCART2	443380	3773230	0.17461	353.62	3068.19	0	PERIOD
569	UCART2	443480	3773230	0.18534	354.39	3068.19	0	PERIOD
570	UCART2	443580	3773230	0.18962	354.65	3068.19	0	PERIOD
571	UCART2	443680	3773230	0.1875	353.56	3068.19	0	PERIOD
572	UCART2	443780	3773230	0.17873	351.8	3068.19	0	PERIOD
573	UCART2	443880	3773230	0.16416	351.41	3068.19	0	PERIOD
574	UCART2	443980	3773230	0.14752	350.82	3068.19	0	PERIOD
575	UCART2	444080	3773230	0.13094	349.02	3068.19	0	PERIOD

Source Gro	Num Hours (NUM HRS)	SLINE18	SLINE19	SLINE20	SLINE21
SLINE18	43848	0.01438	0.01218	0.0163	0.0187
SLINE18	43848	0.01569	0.01319	0.01798	0.02053
SLINE18	43848	0.01713	0.01433	0.01989	0.02248
SLINE18	43848	0.0187	0.01561	0.02199	0.02448
SLINE18	43848	0.02036	0.01703	0.02426	0.02638
SLINE18	43848	0.02204	0.01857	0.0266	0.028
SLINE18	43848	0.02365	0.02022	0.02884	0.02914
SLINE18	43848	0.02509	0.0219	0.03075	0.02964
SLINE18	43848	0.02624	0.02354	0.03208	0.02939
SLINE18	43848	0.027	0.02501	0.03263	0.02838
SLINE18	43848	0.0273	0.02617	0.03226	0.02676
SLINE18	43848	0.02709	0.02687	0.031	0.02477
SLINE18	43848	0.0264	0.02702	0.02903	0.02266
SLINE18	43848	0.02529	0.02657	0.02667	0.02061
SLINE18	43848	0.02385	0.02555	0.02422	0.01875
SLINE18	43848	0.02221	0.02409	0.02188	0.01709
SLINE18	43848	0.0205	0.02238	0.01978	0.01566
SLINE18	43848	0.01882	0.0206	0.01795	0.01444
SLINE18	43848	0.01726	0.01887	0.01639	0.0134
SLINE18	43848	0.01586	0.01728	0.01507	0.01251
SLINE18	43848	0.01463	0.01586	0.01396	0.01175
SLINE18	43848	0.01356	0.01461	0.01301	0.01108
SLINE18	43848	0.01587	0.01309	0.01807	0.02144
SLINE18	43848	0.01758	0.01433	0.02029	0.02405
SLINE18	43848	0.01954	0.01576	0.0229	0.02695
SLINE18	43848	0.02174	0.01741	0.02591	0.03005
SLINE18	43848	0.02414	0.01931	0.02932	0.03315
SLINE18	43848	0.02665	0.02145	0.033	0.03589
SLINE18	43848	0.02912	0.02382	0.03671	0.03788
SLINE18	43848	0.03137	0.02635	0.04001	0.03872
SLINE18	43848	0.03319	0.02891	0.04237	0.03823
SLINE18	43848	0.03441	0.03129	0.04332	0.03644
SLINE18	43848	0.03488	0.0332	0.04262	0.03369
SLINE18	43848	0.03454	0.03437	0.04034	0.03048
SLINE18	43848	0.03344	0.03459	0.03696	0.02727
SLINE18	43848	0.03169	0.03379	0.03312	0.02431
SLINE18	43848	0.02946	0.03208	0.02935	0.02174
SLINE18	43848	0.02697	0.02973	0.02596	0.01956
SLINE18	43848	0.02445	0.02709	0.02306	0.01776
SLINE18	43848	0.02208	0.02445	0.02066	0.01627
SLINE18	43848	0.01996	0.022	0.01869	0.01501
SLINE18	43848	0.01811	0.01984	0.01707	0.01396
SLINE18	43848	0.01654	0.01798	0.01573	0.01306
SLINE18	43848	0.01524	0.01643	0.01463	0.01231
SLINE18	43848	0.01755	0.01404	0.02004	0.02473
SLINE18	43848	0.0198	0.01555	0.02293	0.02847

SLINE18	43848	0.02249	0.01734	0.0265	0.03286
SLINE18	43848	0.02563	0.01947	0.03085	0.03784
SLINE18	43848	0.02921	0.02201	0.03605	0.04312
SLINE18	43848	0.03311	0.02501	0.04204	0.0481
SLINE18	43848	0.03707	0.02849	0.04848	0.05185
SLINE18	43848	0.04077	0.0324	0.0546	0.05348
SLINE18	43848	0.0438	0.03655	0.05918	0.05247
SLINE18	43848	0.04584	0.0406	0.06106	0.04903
SLINE18	43848	0.04665	0.04399	0.05959	0.04406
SLINE18	43848	0.04611	0.0461	0.05513	0.03865
SLINE18	43848	0.0443	0.04647	0.04894	0.03359
SLINE18	43848	0.04138	0.04496	0.04239	0.02925
SLINE18	43848	0.03776	0.04193	0.03644	0.02569
SLINE18	43848	0.03382	0.03793	0.03146	0.02284
SLINE18	43848	0.02998	0.03366	0.02746	0.02057
SLINE18	43848	0.02652	0.02964	0.02432	0.01872
SLINE18	43848	0.02357	0.02613	0.02184	0.01721
SLINE18	43848	0.02112	0.02318	0.01985	0.01594
SLINE18	43848	0.01912	0.02078	0.01822	0.01487
SLINE18	43848	0.01748	0.01882	0.01687	0.01396
SLINE18	43848	0.01938	0.01498	0.02214	0.0286
SLINE18	43848	0.02236	0.0168	0.02588	0.03395
SLINE18	43848	0.02605	0.01901	0.03071	0.04067
SLINE18	43848	0.03064	0.02175	0.03696	0.04888
SLINE18	43848	0.03617	0.02516	0.04497	0.05835
SLINE18	43848	0.04253	0.02938	0.05499	0.06809
SLINE18	43848	0.04927	0.03454	0.06676	0.07602
SLINE18	43848	0.05574	0.04073	0.07907	0.07961
SLINE18	43848	0.06109	0.04777	0.08906	0.07733
SLINE18	43848	0.06471	0.05509	0.09324	0.07001
SLINE18	43848	0.06618	0.06157	0.08981	0.06029
SLINE18	43848	0.06532	0.06575	0.08014	0.0507
SLINE18	43848	0.06222	0.06651	0.0679	0.04259
SLINE18	43848	0.05715	0.0635	0.05623	0.03619
SLINE18	43848	0.05084	0.05762	0.04666	0.03129
SLINE18	43848	0.0442	0.05036	0.03933	0.02753
SLINE18	43848	0.03807	0.04319	0.03385	0.02461
SLINE18	43848	0.03287	0.03692	0.02971	0.02227
SLINE18	43848	0.02868	0.03182	0.02649	0.02034
SLINE18	43848	0.02537	0.02779	0.02394	0.01875
SLINE18	43848	0.02274	0.02465	0.02184	0.01739
SLINE18	43848	0.02064	0.02217	0.02008	0.01622
SLINE18	43848	0.02128	0.01579	0.02421	0.03298
SLINE18	43848	0.02519	0.01799	0.02899	0.04056
SLINE18	43848	0.0303	0.02068	0.03541	0.05081
SLINE18	43848	0.03704	0.02411	0.04423	0.06456
SLINE18	43848	0.04587	0.0286	0.05649	0.08232

SLINE18	43848	0.05698	0.03457	0.07352	0.10318
SLINE18	43848	0.06947	0.04232	0.09616	0.1224
SLINE18	43848	0.0817	0.05229	0.12318	0.13181
SLINE18	43848	0.0918	0.06471	0.14809	0.12575
SLINE18	43848	0.09865	0.07892	0.15947	0.1079
SLINE18	43848	0.10172	0.09266	0.15019	0.08717
SLINE18	43848	0.10055	0.10209	0.12619	0.06951
SLINE18	43848	0.09497	0.1038	0.09972	0.05635
SLINE18	43848	0.08541	0.09705	0.07817	0.04689
SLINE18	43848	0.07338	0.0845	0.06269	0.04001
SLINE18	43848	0.06125	0.07036	0.05189	0.03485
SLINE18	43848	0.05078	0.0577	0.04413	0.03084
SLINE18	43848	0.04261	0.04773	0.03834	0.02764
SLINE18	43848	0.03645	0.04027	0.03383	0.025
SLINE18	43848	0.03179	0.03471	0.03021	0.0228
SLINE18	43848	0.02818	0.0305	0.02722	0.02093
SLINE18	43848	0.02531	0.02721	0.02472	0.01933
SLINE18	43848	0.02308	0.01646	0.02573	0.03753
SLINE18	43848	0.02811	0.01898	0.03167	0.04803
SLINE18	43848	0.03493	0.02205	0.03958	0.06327
SLINE18	43848	0.0449	0.0262	0.05143	0.08614
SLINE18	43848	0.05977	0.03215	0.07049	0.12053
SLINE18	43848	0.08075	0.04049	0.0991	0.16918
SLINE18	43848	0.10687	0.05188	0.14362	0.22478
SLINE18	43848	0.13317	0.06804	0.20866	0.25718
SLINE18	43848	0.15411	0.09078	0.28398	0.23669
SLINE18	43848	0.16804	0.12055	0.32464	0.1838
SLINE18	43848	0.17533	0.15338	0.29187	0.13545
SLINE18	43848	0.17468	0.17839	0.22	0.10223
SLINE18	43848	0.16438	0.18325	0.15815	0.08039
SLINE18	43848	0.14421	0.16573	0.11762	0.06553
SLINE18	43848	0.1176	0.13535	0.09184	0.05489
SLINE18	43848	0.09217	0.10519	0.07454	0.04693
SLINE18	43848	0.07265	0.08186	0.06212	0.04075
SLINE18	43848	0.05894	0.06559	0.05278	0.03584
SLINE18	43848	0.04926	0.05429	0.04554	0.03185
SLINE18	43848	0.04212	0.0461	0.03977	0.02856
SLINE18	43848	0.03667	0.03994	0.0351	0.02582
SLINE18	43848	0.03235	0.03511	0.03127	0.0235
SLINE18	43848	0.02458	0.01697	0.02687	0.04134
SLINE18	43848	0.03059	0.01967	0.03339	0.05484
SLINE18	43848	0.03959	0.02323	0.04298	0.0762
SLINE18	43848	0.05435	0.0283	0.05843	0.11321
SLINE18	43848	0.07955	0.03576	0.08534	0.17862
SLINE18	43848	0.12284	0.04628	0.13038	0.29798
SLINE18	43848	0.19239	0.0626	0.21525	0.50062
SLINE18	43848	0.26503	0.08791	0.38167	0.67818

SLINE18	43848	0.31576	0.13037	0.67544	0.56953
SLINE18	43848	0.34621	0.19782	0.90556	0.36366
SLINE18	43848	0.3703	0.29194	0.72484	0.24002
SLINE18	43848	0.3737	0.37537	0.44794	0.17058
SLINE18	43848	0.35451	0.39338	0.2898	0.12813
SLINE18	43848	0.30384	0.33852	0.2038	0.1002
SLINE18	43848	0.22471	0.24861	0.15154	0.08073
SLINE18	43848	0.15714	0.17501	0.1172	0.06661
SLINE18	43848	0.11508	0.1285	0.09327	0.056
SLINE18	43848	0.089	0.09941	0.07608	0.04788
SLINE18	43848	0.07149	0.07983	0.06329	0.04151
SLINE18	43848	0.05903	0.06582	0.05355	0.03641
SLINE18	43848	0.04981	0.0554	0.04599	0.03228
SLINE18	43848	0.04276	0.04741	0.04002	0.0289
SLINE18	43848	0.02548	0.0173	0.02747	0.04359
SLINE18	43848	0.03233	0.02018	0.03447	0.05946
SLINE18	43848	0.04354	0.02417	0.04534	0.08725
SLINE18	43848	0.0626	0.02962	0.06247	0.13751
SLINE18	43848	0.10146	0.03784	0.0933	0.24587
SLINE18	43848	0.19626	0.05047	0.15319	0.51754
SLINE18	43848	0.52811	0.07115	0.28825	1.41927
SLINE18	43848	0.95064	0.10938	0.69011	3.96052
SLINE18	43848	1.14754	0.18328	2.17378	2.37725
SLINE18	43848	1.14449	0.3444	5.60933	0.95488
SLINE18	43848	1.38235	0.70606	2.97107	0.51178
SLINE18	43848	1.3436	1.14248	1.21937	0.31966
SLINE18	43848	1.32059	1.23914	0.64466	0.21899
SLINE18	43848	1.14738	1.0219	0.39382	0.15948
SLINE18	43848	0.63435	0.58924	0.26336	0.12134
SLINE18	43848	0.3222	0.34925	0.18801	0.09562
SLINE18	43848	0.20423	0.23244	0.14074	0.07742
SLINE18	43848	0.14381	0.1664	0.10909	0.06405
SLINE18	43848	0.1081	0.12555	0.08719	0.05404
SLINE18	43848	0.0848	0.09825	0.07138	0.04633
SLINE18	43848	0.06864	0.07909	0.05963	0.04026
SLINE18	43848	0.05698	0.0652	0.05071	0.03543
SLINE18	43848	0.02626	0.01765	0.02804	0.04535
SLINE18	43848	0.03372	0.02069	0.03536	0.0629
SLINE18	43848	0.04619	0.0249	0.04672	0.09433
SLINE18	43848	0.06932	0.03089	0.06536	0.15666
SLINE18	43848	0.12019	0.03978	0.09859	0.30072
SLINE18	43848	0.27703	0.05378	0.16516	0.73517
SLINE18	43848	1.76771	0.07801	0.32786	3.14877
SLINE18	43848	2.02166	1.88729	0.40853	0.17341
SLINE18	43848	0.64685	0.76913	0.27494	0.13159
SLINE18	43848	0.34727	0.43015	0.19598	0.10298
SLINE18	43848	0.22322	0.27739	0.14677	0.08304

SLINE18	43848	0.15755	0.19415	0.11398	0.06852
SLINE18	43848	0.11785	0.14347	0.09108	0.05761
SLINE18	43848	0.09196	0.11047	0.07457	0.04925
SLINE18	43848	0.07411	0.08787	0.06233	0.04271
SLINE18	43848	0.02656	0.01789	0.02822	0.04584
SLINE18	43848	0.03404	0.02096	0.03545	0.0634
SLINE18	43848	0.04653	0.02523	0.04661	0.09479
SLINE18	43848	0.06954	0.03131	0.06466	0.15648
SLINE18	43848	0.12065	0.0405	0.09666	0.30042
SLINE18	43848	0.27422	0.05491	0.15815	0.72557
SLINE18	43848	1.76698	0.08043	0.29958	3.13129
SLINE18	43848	2.25993	0.63292	6.21849	2.82021
SLINE18	43848	1.86874	2.90988	0.49696	0.22165
SLINE18	43848	0.819	1.19447	0.33522	0.16532
SLINE18	43848	0.46139	0.64219	0.239	0.12776
SLINE18	43848	0.2942	0.39538	0.17756	0.10151
SLINE18	43848	0.20407	0.26649	0.13677	0.0827
SLINE18	43848	0.14993	0.19102	0.10842	0.06876
SLINE18	43848	0.115	0.14339	0.08807	0.05818
SLINE18	43848	0.09116	0.11151	0.073	0.04998
SLINE18	43848	0.02649	0.01804	0.02808	0.04529
SLINE18	43848	0.03366	0.02112	0.03502	0.06184
SLINE18	43848	0.04492	0.02525	0.04522	0.08956
SLINE18	43848	0.06498	0.03126	0.06158	0.14203
SLINE18	43848	0.10392	0.0401	0.08859	0.24957
SLINE18	43848	0.19656	0.05421	0.13709	0.51215
SLINE18	43848	0.4953	0.07851	0.23012	1.32247
SLINE18	43848	1.05755	0.12377	0.41109	3.42551
SLINE18	43848	1.23806	0.22507	0.75102	3.58332
SLINE18	43848	1.06867	0.49112	1.16908	2.00507
SLINE18	43848	2.8323	4.03425	0.66436	0.33842
SLINE18	43848	1.2335	2.05609	0.46627	0.24627
SLINE18	43848	0.72626	1.13388	0.33542	0.18561
SLINE18	43848	0.46623	0.68382	0.24855	0.14417
SLINE18	43848	0.31748	0.44427	0.18957	0.11494
SLINE18	43848	0.22738	0.30674	0.14837	0.09368
SLINE18	43848	0.16979	0.22227	0.11881	0.07781
SLINE18	43848	0.13119	0.16743	0.09709	0.06571
SLINE18	43848	0.10421	0.1301	0.08072	0.05628
SLINE18	43848	0.02601	0.01808	0.02758	0.04362
SLINE18	43848	0.03247	0.02108	0.03395	0.05803
SLINE18	43848	0.04222	0.02513	0.04307	0.08093
SLINE18	43848	0.05776	0.03083	0.05668	0.11936
SLINE18	43848	0.08368	0.03914	0.07754	0.18642
SLINE18	43848	0.12764	0.05171	0.1098	0.30381
SLINE18	43848	0.20256	0.07262	0.16147	0.50684
SLINE18	43848	0.30255	0.10819	0.23645	0.76254

SLINE18	43848	0.40492	0.1737	0.33639	0.93874
SLINE18	43848	0.50737	0.29997	0.44633	0.90785
SLINE18	43848	0.73441	0.53496	0.53069	0.73033
SLINE18	43848	1.15869	0.87257	0.56422	0.55172
SLINE18	43848	1.33024	1.14908	0.52905	0.41212
SLINE18	43848	1.0895	1.18074	0.4479	0.31045
SLINE18	43848	0.75955	1.00663	0.36039	0.23805
SLINE18	43848	0.53889	0.76173	0.28537	0.18573
SLINE18	43848	0.39177	0.55289	0.22575	0.14799
SLINE18	43848	0.29118	0.40125	0.18054	0.12012
SLINE18	43848	0.22102	0.29678	0.14609	0.0991
SLINE18	43848	0.17151	0.22474	0.11986	0.08303
SLINE18	43848	0.13599	0.17425	0.09969	0.07053
SLINE18	43848	0.10994	0.13803	0.08397	0.06065
SLINE18	43848	0.02517	0.01802	0.02676	0.04102
SLINE18	43848	0.03073	0.0209	0.03234	0.05269
SLINE18	43848	0.03854	0.02472	0.03994	0.06968
SLINE18	43848	0.04987	0.02999	0.05054	0.09506
SLINE18	43848	0.06608	0.03737	0.06521	0.13187
SLINE18	43848	0.08949	0.04827	0.08574	0.18418
SLINE18	43848	0.12075	0.06435	0.11244	0.25031
SLINE18	43848	0.16154	0.08955	0.14686	0.32635
SLINE18	43848	0.20802	0.12743	0.18659	0.38389
SLINE18	43848	0.2628	0.18371	0.22834	0.412
SLINE18	43848	0.33174	0.26321	0.26407	0.40259
SLINE18	43848	0.40804	0.35801	0.28739	0.35946
SLINE18	43848	0.46468	0.44577	0.29422	0.3044
SLINE18	43848	0.46625	0.49257	0.27988	0.25111
SLINE18	43848	0.42118	0.48872	0.2518	0.20566
SLINE18	43848	0.3561	0.44413	0.21862	0.16883
SLINE18	43848	0.29297	0.37951	0.18643	0.13972
SLINE18	43848	0.23821	0.311	0.15746	0.11663
SLINE18	43848	0.19314	0.25065	0.13283	0.09825
SLINE18	43848	0.1576	0.20201	0.11261	0.08368
SLINE18	43848	0.12976	0.16392	0.0961	0.072
SLINE18	43848	0.1079	0.13429	0.08259	0.06253
SLINE18	43848	0.024	0.01782	0.02556	0.03761
SLINE18	43848	0.02857	0.02053	0.03022	0.04644
SLINE18	43848	0.03462	0.02404	0.03623	0.05828
SLINE18	43848	0.04257	0.02869	0.04396	0.07384
SLINE18	43848	0.05294	0.03493	0.0538	0.09359
SLINE18	43848	0.06642	0.04351	0.0661	0.11804
SLINE18	43848	0.08343	0.05528	0.08067	0.14696
SLINE18	43848	0.10395	0.07123	0.0976	0.17717
SLINE18	43848	0.12815	0.09271	0.11748	0.20319
SLINE18	43848	0.15531	0.12025	0.13799	0.22075
SLINE18	43848	0.18524	0.1544	0.15589	0.2292

SLINE18	43848	0.21458	0.19248	0.169	0.22542
SLINE18	43848	0.23683	0.22719	0.1764	0.2098
SLINE18	43848	0.24438	0.24892	0.17552	0.18716
SLINE18	43848	0.24228	0.26202	0.1703	0.16438
SLINE18	43848	0.2275	0.25973	0.15887	0.14248
SLINE18	43848	0.20535	0.24444	0.14424	0.12298
SLINE18	43848	0.18088	0.22088	0.12884	0.10626
SLINE18	43848	0.15656	0.19317	0.11367	0.09202
SLINE18	43848	0.13505	0.16691	0.1002	0.08018
SLINE18	43848	0.11583	0.14244	0.08799	0.07019
SLINE18	43848	0.09962	0.12154	0.07746	0.06185
SLINE18	43848	0.02265	0.01752	0.0241	0.0339
SLINE18	43848	0.02634	0.02	0.02785	0.04033
SLINE18	43848	0.03091	0.02311	0.03239	0.04823
SLINE18	43848	0.03651	0.02703	0.03785	0.05761
SLINE18	43848	0.04345	0.03209	0.04439	0.06873
SLINE18	43848	0.05188	0.03852	0.05181	0.08166
SLINE18	43848	0.06211	0.04669	0.06027	0.09659
SLINE18	43848	0.07428	0.05698	0.07028	0.11242
SLINE18	43848	0.08731	0.06909	0.08111	0.12542
SLINE18	43848	0.10189	0.08395	0.09266	0.13581
SLINE18	43848	0.11694	0.1011	0.10273	0.14259
SLINE18	43848	0.13182	0.11988	0.11061	0.14577
SLINE18	43848	0.14328	0.13669	0.11549	0.14327
SLINE18	43848	0.14962	0.14895	0.11752	0.13579
SLINE18	43848	0.152	0.15753	0.11754	0.12593
SLINE18	43848	0.14951	0.16107	0.11455	0.11461
SLINE18	43848	0.14425	0.16134	0.10985	0.10367
SLINE18	43848	0.13414	0.15425	0.10225	0.09262
SLINE18	43848	0.12259	0.14365	0.09399	0.08263
SLINE18	43848	0.11084	0.13129	0.08584	0.07379
SLINE18	43848	0.09894	0.11758	0.07764	0.06591
SLINE18	43848	0.08795	0.1044	0.07005	0.05905
SLINE18	43848	0.0212	0.01708	0.02243	0.03018
SLINE18	43848	0.02412	0.01928	0.02536	0.03475
SLINE18	43848	0.02756	0.02194	0.02874	0.03997
SLINE18	43848	0.03158	0.02515	0.03258	0.04578
SLINE18	43848	0.03626	0.029	0.03679	0.05229
SLINE18	43848	0.04201	0.0338	0.04164	0.06028
SLINE18	43848	0.04848	0.03934	0.04694	0.06884
SLINE18	43848	0.05585	0.04583	0.05315	0.07775
SLINE18	43848	0.06392	0.05338	0.06008	0.08593
SLINE18	43848	0.07224	0.06198	0.06699	0.09213
SLINE18	43848	0.08079	0.07173	0.07324	0.09666
SLINE18	43848	0.08923	0.08219	0.07823	0.09981
SLINE18	43848	0.09775	0.09329	0.08277	0.10212
SLINE18	43848	0.10056	0.09891	0.08341	0.09892

SLINE18	43848	0.10323	0.10439	0.08455	0.09544
SLINE18	43848	0.10406	0.10816	0.08461	0.09053
SLINE18	43848	0.10287	0.10992	0.08322	0.08466
SLINE18	43848	0.09973	0.10933	0.0804	0.07832
SLINE18	43848	0.09463	0.10591	0.07626	0.07182
SLINE18	43848	0.08888	0.10102	0.07173	0.06581
SLINE18	43848	0.08226	0.09435	0.06675	0.06006
SLINE18	43848	0.07547	0.08694	0.06173	0.0548
SLINE18	43848	0.01978	0.01655	0.02076	0.02683
SLINE18	43848	0.02207	0.01843	0.02301	0.03003
SLINE18	43848	0.02464	0.02062	0.02548	0.03347
SLINE18	43848	0.02761	0.02319	0.0282	0.03732
SLINE18	43848	0.03095	0.02613	0.03105	0.0416
SLINE18	43848	0.0349	0.02959	0.03432	0.04676
SLINE18	43848	0.03919	0.03337	0.03793	0.05212
SLINE18	43848	0.04397	0.03764	0.04212	0.05773
SLINE18	43848	0.04905	0.04245	0.04661	0.06289
SLINE18	43848	0.05441	0.04801	0.05122	0.06715
SLINE18	43848	0.05965	0.054	0.0553	0.07012
SLINE18	43848	0.0648	0.06034	0.05862	0.07238
SLINE18	43848	0.06869	0.06571	0.06054	0.07318
SLINE18	43848	0.07216	0.07064	0.06224	0.07362
SLINE18	43848	0.0746	0.07448	0.06352	0.073
SLINE18	43848	0.07569	0.07699	0.06407	0.07106
SLINE18	43848	0.07629	0.07916	0.06432	0.06858
SLINE18	43848	0.07544	0.07986	0.06343	0.06513
SLINE18	43848	0.07372	0.07955	0.06183	0.06139
SLINE18	43848	0.07108	0.07795	0.05954	0.05748
SLINE18	43848	0.0676	0.07503	0.05668	0.05353
SLINE18	43848	0.06366	0.07123	0.05355	0.04971
SLINE18	43848	0.01838	0.01588	0.01912	0.02384
SLINE18	43848	0.02018	0.01747	0.02085	0.0261
SLINE18	43848	0.02215	0.01925	0.02267	0.02849
SLINE18	43848	0.02434	0.02125	0.02457	0.03113
SLINE18	43848	0.02676	0.02346	0.02658	0.03413
SLINE18	43848	0.02952	0.02593	0.02891	0.0376
SLINE18	43848	0.03254	0.02859	0.03157	0.04129
SLINE18	43848	0.0358	0.03153	0.03452	0.04505
SLINE18	43848	0.0393	0.03488	0.03768	0.04865
SLINE18	43848	0.04282	0.03857	0.04078	0.0515
SLINE18	43848	0.04625	0.0425	0.04358	0.05354
SLINE18	43848	0.04946	0.04648	0.0458	0.05496
SLINE18	43848	0.05247	0.05038	0.04753	0.05614
SLINE18	43848	0.05492	0.05371	0.04878	0.05687
SLINE18	43848	0.05664	0.05622	0.04966	0.05698
SLINE18	43848	0.05774	0.05806	0.0503	0.0565
SLINE18	43848	0.05858	0.0597	0.05087	0.05561

SLINE18	43848	0.05867	0.06066	0.05085	0.05399
SLINE18	43848	0.05825	0.06116	0.05039	0.05197
SLINE18	43848	0.05741	0.0612	0.04955	0.04975
SLINE18	43848	0.05579	0.06023	0.0481	0.04721
SLINE18	43848	0.05355	0.05837	0.04619	0.04452
SLINE18	43848	0.02253	0.01712	0.02633	0.03366
SLINE18	43848	0.02599	0.01931	0.03099	0.03957
SLINE18	43848	0.03011	0.02199	0.03682	0.04633
SLINE18	43848	0.03483	0.02523	0.04392	0.05343
SLINE18	43848	0.03991	0.02912	0.05217	0.05976
SLINE18	43848	0.04497	0.03369	0.06097	0.0638
SLINE18	43848	0.04947	0.03888	0.06889	0.06429
SLINE18	43848	0.05286	0.04435	0.0738	0.06093
SLINE18	43848	0.05477	0.04948	0.07409	0.05479
SLINE18	43848	0.05498	0.05337	0.06955	0.04759
SLINE18	43848	0.05344	0.05517	0.06171	0.04074
SLINE18	43848	0.0503	0.05436	0.05284	0.03489
SLINE18	43848	0.04596	0.05111	0.04464	0.03018
SLINE18	43848	0.04096	0.04621	0.03784	0.02649
SLINE18	43848	0.03596	0.04069	0.03251	0.02359
SLINE18	43848	0.03142	0.03538	0.02841	0.02129
SLINE18	43848	0.02755	0.03074	0.02524	0.01943
SLINE18	43848	0.02439	0.02691	0.02274	0.01789
SLINE18	43848	0.02578	0.01856	0.03002	0.04101
SLINE18	43848	0.0307	0.02131	0.03647	0.05044
SLINE18	43848	0.03693	0.02476	0.04507	0.06223
SLINE18	43848	0.04461	0.02921	0.0565	0.07598
SLINE18	43848	0.05344	0.03486	0.07121	0.08963
SLINE18	43848	0.06254	0.04194	0.08874	0.09912
SLINE18	43848	0.07072	0.05056	0.10623	0.10022
SLINE18	43848	0.0769	0.06041	0.11803	0.09229
SLINE18	43848	0.08045	0.07036	0.11867	0.07903
SLINE18	43848	0.08098	0.07838	0.1077	0.06518
SLINE18	43848	0.07837	0.0822	0.09052	0.05347
SLINE18	43848	0.07278	0.08048	0.07333	0.04448
SLINE18	43848	0.06487	0.07373	0.05929	0.03779
SLINE18	43848	0.05595	0.06415	0.04886	0.03278
SLINE18	43848	0.04746	0.05421	0.04131	0.02896
SLINE18	43848	0.04023	0.04547	0.03573	0.02595
SLINE18	43848	0.03449	0.03846	0.0315	0.0235
SLINE18	43848	0.03005	0.03306	0.02815	0.02147
SLINE18	43848	0.02937	0.01983	0.03373	0.04995
SLINE18	43848	0.0364	0.02319	0.04251	0.06493
SLINE18	43848	0.04611	0.02763	0.05501	0.086
SLINE18	43848	0.05935	0.03372	0.07329	0.11438
SLINE18	43848	0.07596	0.04183	0.09996	0.14748
SLINE18	43848	0.09402	0.05279	0.13689	0.17404

SLINE18	43848	0.11027	0.06745	0.18073	0.17745
SLINE18	43848	0.12235	0.08618	0.2153	0.15495
SLINE18	43848	0.1296	0.10746	0.21752	0.12252
SLINE18	43848	0.13138	0.12624	0.18564	0.09436
SLINE18	43848	0.1271	0.13574	0.14305	0.07412
SLINE18	43848	0.11634	0.13151	0.10792	0.06014
SLINE18	43848	0.10035	0.11572	0.08371	0.05028
SLINE18	43848	0.08254	0.09514	0.06753	0.04306
SLINE18	43848	0.06669	0.07608	0.05627	0.03753
SLINE18	43848	0.05447	0.06125	0.04801	0.03317
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Appendix B

CalEEMod Output

9th and Vineyard v2 Isolated Truck Trip Emissions Detailed Report

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4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9th and Vineyard v2 Isolated Truck Trip Emissions
Construction Start Date	7/1/2024
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	20.8
Location	34.09426837194951, -117.6154832632448
County	San Bernardino-South Coast
City	Rancho Cucamonga
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5277
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.14

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	969	1000sqft	22.2	969,096	238,433	—	—	—
Parking Lot	180	1000sqft	4.13	0.00	0.00	—	—	—
Other Asphalt Surfaces	559	1000sqft	12.8	0.00	0.00	—	—	—
General Office Building	13.0	1000sqft	0.30	13,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.44	46.2	36.0	51.0	0.06	1.60	19.9	21.5	1.47	10.2	11.6	—	13,364	13,364	0.74	0.98	37.7	13,711
Mit.	3.24	45.5	10.6	52.7	0.06	0.15	7.89	7.99	0.15	3.99	4.09	—	13,364	13,364	0.74	0.98	37.7	13,711
% Reduced	27%	2%	71%	-3%	—	91%	60%	63%	90%	61%	65%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.81	46.6	21.0	49.0	0.06	0.60	7.83	8.43	0.56	1.89	2.45	—	14,091	14,091	0.80	1.02	1.10	14,415
Mit.	3.58	45.6	12.3	50.5	0.06	0.15	7.83	7.98	0.15	1.89	2.04	—	14,091	14,091	0.80	1.02	1.10	14,415
% Reduced	26%	2%	41%	-3%	—	75%	—	5%	74%	—	17%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.56	12.0	8.61	15.1	0.02	0.29	3.03	3.33	0.27	0.99	1.26	—	4,139	4,139	0.23	0.27	4.51	4,230
Mit.	0.92	11.8	3.44	15.7	0.02	0.05	2.32	2.37	0.05	0.66	0.71	—	4,139	4,139	0.23	0.27	4.51	4,230
% Reduced	41%	1%	60%	-4%	—	83%	24%	29%	82%	33%	44%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.28	2.19	1.57	2.75	< 0.005	0.05	0.55	0.61	0.05	0.18	0.23	—	685	685	0.04	0.04	0.75	700
Mit.	0.17	2.16	0.63	2.87	< 0.005	0.01	0.42	0.43	0.01	0.12	0.13	—	685	685	0.04	0.04	0.75	700
% Reduced	41%	1%	60%	-4%	—	83%	24%	29%	82%	33%	44%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.44	3.74	36.0	51.0	0.06	1.60	19.9	21.5	1.47	10.2	11.6	—	13,364	13,364	0.74	0.98	37.7	13,711
2025	1.60	46.2	8.76	18.7	0.02	0.38	1.27	1.65	0.35	0.30	0.64	—	3,015	3,015	0.12	0.06	5.08	3,042
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.81	46.6	21.0	49.0	0.06	0.60	7.83	8.43	0.56	1.89	2.45	—	14,091	14,091	0.80	1.02	1.10	14,415
2025	4.35	46.2	19.5	46.1	0.06	0.53	7.83	8.36	0.49	1.89	2.39	—	13,874	13,874	0.79	1.02	1.03	14,198

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.56	2.77	8.61	15.1	0.02	0.29	3.03	3.33	0.27	0.99	1.26	—	4,139	4,139	0.23	0.27	4.51	4,230
2025	0.74	12.0	3.41	8.20	0.01	0.10	1.24	1.34	0.09	0.30	0.39	—	2,240	2,240	0.12	0.15	2.70	2,291
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.28	0.51	1.57	2.75	< 0.005	0.05	0.55	0.61	0.05	0.18	0.23	—	685	685	0.04	0.04	0.75	700
2025	0.14	2.19	0.62	1.50	< 0.005	0.02	0.23	0.25	0.02	0.05	0.07	—	371	371	0.02	0.03	0.45	379

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.24	2.63	10.6	52.7	0.06	0.15	7.89	7.99	0.15	3.99	4.09	—	13,364	13,364	0.74	0.98	37.7	13,711
2025	0.68	45.5	3.01	19.1	0.02	0.03	1.27	1.30	0.03	0.30	0.33	—	3,015	3,015	0.12	0.06	5.08	3,042
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.58	45.6	12.3	50.5	0.06	0.15	7.83	7.98	0.15	1.89	2.04	—	14,091	14,091	0.80	1.02	1.10	14,415
2025	3.22	45.4	11.6	47.7	0.06	0.15	7.83	7.98	0.15	1.89	2.04	—	13,874	13,874	0.79	1.02	1.03	14,198
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.92	2.25	3.44	15.7	0.02	0.05	2.32	2.37	0.05	0.66	0.71	—	4,139	4,139	0.23	0.27	4.51	4,230
2025	0.52	11.8	1.94	8.44	0.01	0.02	1.24	1.27	0.02	0.30	0.32	—	2,240	2,240	0.12	0.15	2.70	2,291
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.17	0.41	0.63	2.87	< 0.005	0.01	0.42	0.43	0.01	0.12	0.13	—	685	685	0.04	0.04	0.75	700
2025	0.10	2.16	0.35	1.54	< 0.005	< 0.005	0.23	0.23	< 0.005	0.05	0.06	—	371	371	0.02	0.03	0.45	379

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.68	30.0	20.4	55.4	0.15	0.65	3.83	4.48	0.62	1.03	1.65	931	28,155	29,086	96.4	3.05	36.5	32,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.06	23.0	20.7	12.8	0.14	0.57	3.83	4.41	0.56	1.03	1.60	931	27,985	28,916	96.4	3.05	0.98	32,236
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.27	27.8	21.0	42.0	0.15	0.62	3.83	4.46	0.60	1.03	1.63	931	28,102	29,033	96.4	3.05	15.8	32,368
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.33	5.08	3.84	7.67	0.03	0.11	0.70	0.81	0.11	0.19	0.30	154	4,653	4,807	16.0	0.51	2.61	5,359

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Area	7.59	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	9.68	30.0	20.4	55.4	0.15	0.65	3.83	4.48	0.62	1.03	1.65	931	28,155	29,086	96.4	3.05	36.5	32,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204
Area	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	2.06	23.0	20.7	12.8	0.14	0.57	3.83	4.41	0.56	1.03	1.60	931	27,985	28,916	96.4	3.05	0.98	32,236
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	0.39	15.7	8.52	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,603	12,603	1.08	1.91	15.7	13,215
Area	5.20	27.2	0.25	29.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	120	120	0.01	< 0.005	—	121
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	7.27	27.8	21.0	42.0	0.15	0.62	3.83	4.46	0.60	1.03	1.63	931	28,102	29,033	96.4	3.05	15.8	32,368
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188
Area	0.95	4.95	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Energy	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	2,169	2,169	0.16	0.01	—	2,177
Water	—	—	—	—	—	—	—	—	—	—	—	71.8	377	449	7.39	0.18	—	686
Waste	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	1.33	5.08	3.84	7.67	0.03	0.11	0.70	0.81	0.11	0.19	0.30	154	4,653	4,807	16.0	0.51	2.61	5,359

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Area	7.59	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	9.68	30.0	20.4	55.4	0.15	0.65	3.83	4.48	0.62	1.03	1.65	931	28,155	29,086	96.4	3.05	36.5	32,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204
Area	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	2.06	23.0	20.7	12.8	0.14	0.57	3.83	4.41	0.56	1.03	1.60	931	27,985	28,916	96.4	3.05	0.98	32,236
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	0.39	15.7	8.52	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,603	12,603	1.08	1.91	15.7	13,215
Area	5.20	27.2	0.25	29.3	< 0.005	0.05	—	0.05	0.04	—	0.04	—	120	120	0.01	< 0.005	—	121
Energy	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	13,103	13,103	0.97	0.06	—	13,146
Water	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146

Waste	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	7.27	27.8	21.0	42.0	0.15	0.62	3.83	4.46	0.60	1.03	1.63	931	28,102	29,033	96.4	3.05	15.8	32,368
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188
Area	0.95	4.95	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Energy	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	2,169	2,169	0.16	0.01	—	2,177
Water	—	—	—	—	—	—	—	—	—	—	—	71.8	377	449	7.39	0.18	—	686
Waste	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	1.33	5.08	3.84	7.67	0.03	0.11	0.70	0.81	0.11	0.19	0.30	154	4,653	4,807	16.0	0.51	2.61	5,359

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.08	0.99	< 0.005	0.05	—	0.05	0.04	—	0.04	—	160	160	0.01	< 0.005	—	160
Dust From Material Movement	—	—	—	—	—	—	0.59	0.59	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	252	252	0.01	0.01	1.01	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.06	7.06	< 0.005	< 0.005	0.01	7.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	160	160	0.01	< 0.005	—	160

Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	252	252	0.01	0.01	1.01	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.06	7.06	< 0.005	< 0.005	0.01	7.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	2.16	1.90	< 0.005	0.09	—	0.09	0.08	—	0.08	—	416	416	0.02	< 0.005	—	417
Dust From Material Movement	—	—	—	—	—	—	0.58	0.58	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.35	< 0.005	0.02	—	0.02	0.02	—	0.02	—	68.8	68.8	< 0.005	< 0.005	—	69.1

Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.69	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	288	288	0.01	0.01	1.15	292
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.03	17.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.79	2.79	< 0.005	< 0.005	0.01	2.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	4.43	35.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.28	2.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	416	416	0.02	< 0.005	—	417
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.8	68.8	< 0.005	< 0.005	—	69.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.69	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	288	288	0.01	0.01	1.15	292
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.03	17.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.79	2.79	< 0.005	< 0.005	0.01	2.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.32	3.03	3.54	0.01	0.13	—	0.13	0.12	—	0.12	—	648	648	0.03	0.01	—	650
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	107	107	< 0.005	< 0.005	—	108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.36	2.15	1.99	34.8	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,920	5,920	0.25	0.20	23.7	6,010
Vendor	0.54	0.14	5.79	3.10	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	5,047	5,047	0.39	0.75	14.1	5,295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.24	2.03	2.35	26.3	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,426	5,426	0.26	0.20	0.61	5,494
Vendor	0.53	0.13	6.03	3.15	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	5,049	5,049	0.39	0.75	0.36	5,283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.60	0.54	0.63	7.46	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,486	1,486	0.07	0.06	2.76	1,507
Vendor	0.14	0.04	1.64	0.85	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,363	1,363	0.11	0.20	1.64	1,428
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.12	1.36	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	246	246	0.01	0.01	0.46	249
Vendor	0.03	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	226	226	0.02	0.03	0.27	236
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.83	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.83	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.76	4.00	0.01	0.02	—	0.02	0.02	—	0.02	—	648	648	0.03	0.01	—	650

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	107	107	< 0.005	< 0.005	—	108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.36	2.15	1.99	34.8	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,920	5,920	0.25	0.20	23.7	6,010
Vendor	0.54	0.14	5.79	3.10	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	5,047	5,047	0.39	0.75	14.1	5,295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.24	2.03	2.35	26.3	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,426	5,426	0.26	0.20	0.61	5,494
Vendor	0.53	0.13	6.03	3.15	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	5,049	5,049	0.39	0.75	0.36	5,283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.54	0.63	7.46	0.00	0.00	1.43	1.43	0.00	0.34	0.34	—	1,486	1,486	0.07	0.06	2.76	1,507
Vendor	0.14	0.04	1.64	0.85	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,363	1,363	0.11	0.20	1.64	1,428
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.12	1.36	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	246	246	0.01	0.01	0.46	249
Vendor	0.03	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	226	226	0.02	0.03	0.27	236
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.49	1.86	< 0.005	0.06	—	0.06	0.06	—	0.06	—	343	343	0.01	< 0.005	—	344
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.7	56.7	< 0.005	< 0.005	—	56.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.97	1.77	1.99	24.1	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,312	5,312	0.25	0.20	0.56	5,379
Vendor	0.49	0.13	5.76	2.99	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,968	4,968	0.39	0.75	0.36	5,203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.31	3.64	0.00	0.00	0.76	0.76	0.00	0.18	0.18	—	770	770	0.04	0.03	1.33	780
Vendor	0.07	0.02	0.83	0.42	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	710	710	0.06	0.11	0.87	744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.66	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	127	127	0.01	< 0.005	0.22	129
Vendor	0.01	< 0.005	0.15	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.14	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.82	14.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.40	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	343	343	0.01	< 0.005	—	344
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.7	56.7	< 0.005	< 0.005	—	56.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.77	1.99	24.1	0.00	0.00	5.37	5.37	0.00	1.26	1.26	—	5,312	5,312	0.25	0.20	0.56	5,379
Vendor	0.49	0.13	5.76	2.99	0.04	0.07	1.38	1.45	0.07	0.38	0.45	—	4,968	4,968	0.39	0.75	0.36	5,203
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.31	3.64	0.00	0.00	0.76	0.76	0.00	0.18	0.18	—	770	770	0.04	0.03	1.33	780
Vendor	0.07	0.02	0.83	0.42	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	710	710	0.06	0.11	0.87	744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.66	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	127	127	0.01	< 0.005	0.22	129
Vendor	0.01	< 0.005	0.15	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.14	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	2.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	2.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.43	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	87.0	87.0	< 0.005	< 0.005	—	87.3
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.4
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.17	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	2.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	2.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	87.0	87.0	< 0.005	< 0.005	—	87.3
Paving	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.4
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.17	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	196
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.87	1.87	< 0.005	< 0.005	< 0.005	1.90
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134

Architectural	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.70	4.70	< 0.005	< 0.005	—	4.72
Architectural Coatings	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.41	0.47	5.26	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,085	1,085	0.05	0.04	0.12	1,099
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.07	39.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.42	6.42	< 0.005	< 0.005	0.01	6.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.70	4.70	< 0.005	< 0.005	—	4.72
Architectural Coatings	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.41	0.47	5.26	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,085	1,085	0.05	0.04	0.12	1,099
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.07	39.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.42	6.42	< 0.005	< 0.005	0.01	6.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.23	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	35.3	35.3	< 0.005	< 0.005	—	35.4
Architectural Coatings	—	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.84	5.84	< 0.005	< 0.005	—	5.86
Architectural Coatings	—	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.36	6.40	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,159	1,159	0.05	0.04	4.30	1,176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.40	4.83	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,062	1,062	0.05	0.04	0.11	1,076
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.35	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	285	285	0.01	0.01	0.49	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.1	47.1	< 0.005	< 0.005	0.08	47.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.17	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.3	35.3	< 0.005	< 0.005	—	35.4
Architectural Coatings	—	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.84	5.84	< 0.005	< 0.005	—	5.86
Architectural Coatings	—	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.36	6.40	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,159	1,159	0.05	0.04	4.30	1,176
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.35	0.40	4.83	0.00	0.00	1.07	1.07	0.00	0.25	0.25	—	1,062	1,062	0.05	0.04	0.11	1,076
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.35	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	285	285	0.01	0.01	0.49	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	47.1	47.1	< 0.005	< 0.005	0.08	47.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehou Rail	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.53	0.40	15.0	8.49	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,600	12,600	1.08	1.91	36.5	13,233
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.51	0.38	15.6	8.56	0.11	0.19	3.83	4.02	0.18	1.03	1.21	—	12,606	12,606	1.08	1.91	0.95	13,204
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.28	0.07	2.87	1.55	0.02	0.03	0.70	0.73	0.03	0.19	0.22	—	2,087	2,087	0.18	0.32	2.61	2,188

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,524	6,524	0.40	0.05	—	6,548
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.01	< 0.005	—	230
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.02	< 0.005	—	332
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,084	7,084	0.44	0.05	—	7,111

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,524	6,524	0.40	0.05	—	6,548
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.01	< 0.005	—	230
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.02	< 0.005	—	332
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,084	7,084	0.44	0.05	—	7,111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	38.0	38.0	< 0.005	< 0.005	—	38.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	54.7	54.7	< 0.005	< 0.005	—	55.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,173	1,173	0.07	0.01	—	1,177

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,524	6,524	0.40	0.05	—	6,548
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.01	< 0.005	—	230
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.02	< 0.005	—	332
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,084	7,084	0.44	0.05	—	7,111
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,524	6,524	0.40	0.05	—	6,548
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	230	230	0.01	< 0.005	—	230
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.02	< 0.005	—	332
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,084	7,084	0.44	0.05	—	7,111

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080	0.07	0.01	—	1,084
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	38.0	38.0	< 0.005	< 0.005	—	38.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	54.7	54.7	< 0.005	< 0.005	—	55.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,173	1,173	0.07	0.01	—	1,177

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	978	978	0.09	< 0.005	—	980
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	996	996	0.09	< 0.005	—	999

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.54	0.27	4.95	4.16	0.03	0.38	—	0.38	0.38	—	0.38	—	5,904	5,904	0.52	0.01	—	5,921
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	115
Total	0.55	0.28	5.04	4.24	0.03	0.38	—	0.38	0.38	—	0.38	—	6,019	6,019	0.53	0.01	—	6,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	978	978	0.09	< 0.005	—	980
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Total	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	996	996	0.09	< 0.005	—	999

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	7.59	7.01	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Total	7.59	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.95	0.88	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Total	0.95	4.95	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	7.59	7.01	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Total	7.59	29.4	0.36	42.7	< 0.005	0.08	—	0.08	0.06	—	0.06	—	176	176	0.01	< 0.005	—	176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95	0.88	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0
Total	0.95	4.95	0.04	5.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.9	19.9	< 0.005	< 0.005	—	20.0

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	2,253	2,683	44.2	1.06	—	4,104
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	22.9	27.4	0.46	0.01	—	42.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	2,253	2,683	44.2	1.06	—	4,104
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	22.9	27.4	0.46	0.01	—	42.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	71.1	373	444	7.31	0.18	—	679
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.73	3.80	4.53	0.08	< 0.005	—	6.95
Total	—	—	—	—	—	—	—	—	—	—	—	71.8	377	449	7.39	0.18	—	686

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	2,253	2,683	44.2	1.06	—	4,104

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	22.9	27.4	0.46	0.01	—	42.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	429	2,253	2,683	44.2	1.06	—	4,104
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.43	22.9	27.4	0.46	0.01	—	42.0
Total	—	—	—	—	—	—	—	—	—	—	—	434	2,276	2,710	44.6	1.07	—	4,146
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	71.1	373	444	7.31	0.18	—	679
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.73	3.80	4.53	0.08	< 0.005	—	6.95
Total	—	—	—	—	—	—	—	—	—	—	—	71.8	377	449	7.39	0.18	—	686

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.12	0.00	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.77
Total	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,718
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.52	0.00	6.52	0.65	0.00	—	22.8
Total	—	—	—	—	—	—	—	—	—	—	—	497	0.00	497	49.7	0.00	—	1,740
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.12	0.00	—	284
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.77
Total	—	—	—	—	—	—	—	—	—	—	—	82.4	0.00	82.4	8.23	0.00	—	288

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2024	7/15/2024	5.00	11.0	—
Grading	Grading	7/16/2024	8/15/2024	5.00	23.0	—

Building Construction	Building Construction	8/16/2024	3/14/2025	5.00	151	—
Paving	Paving	3/15/2025	4/14/2025	5.00	21.0	—
Architectural Coating	Architectural Coating	12/14/2024	5/15/2025	5.00	109	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	411	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	161	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—

Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	411	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	161	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,473,144	491,048	44,302

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	16.5	0.00	—
Grading	—	—	69.0	0.00	—
Paving	0.00	0.00	0.00	0.00	17.0

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	4.13	100%
Other Asphalt Surfaces	12.8	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	343	343	343	125,182	4,327	4,327	4,327	1,579,472
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	343	343	343	125,182	4,327	4,327	4,327	1,579,472
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,473,144	491,048	44,302

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,475,967	532	0.0330	0.0040	18,423,173
Parking Lot	157,543	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

General Office Building	226,875	532	0.0330	0.0040	356,720

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,475,967	532	0.0330	0.0040	18,423,173
Parking Lot	157,543	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
General Office Building	226,875	532	0.0330	0.0040	356,720

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	224,103,450	3,829,025
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
General Office Building	2,310,539	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	224,103,450	3,829,025
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
General Office Building	2,310,539	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	911	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
General Office Building	12.1	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	911	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
General Office Building	12.1	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Other Material Handling Equipment	Diesel	Average	3.00	24.0	93.0	0.40

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Other Material Handling Equipment	Diesel	Average	3.00	24.0	93.0	0.40

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	20.2	annual days of extreme heat
Extreme Precipitation	5.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	93.6
AQ-PM	98.3
AQ-DPM	74.5
Drinking Water	74.8
Lead Risk Housing	22.0
Pesticides	0.00
Toxic Releases	63.2
Traffic	27.3
Effect Indicators	—
CleanUp Sites	78.8
Groundwater	0.00
Haz Waste Facilities/Generators	86.9
Impaired Water Bodies	43.8
Solid Waste	0.00
Sensitive Population	—
Asthma	46.2
Cardio-vascular	87.7
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	51.7
Housing	61.3
Linguistic	59.0
Poverty	59.2

Unemployment	71.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	42.05055819
Employed	29.83446683
Median HI	40.27973823
Education	—
Bachelor's or higher	25.15077634
High school enrollment	100
Preschool enrollment	17.9006801
Transportation	—
Auto Access	55.28037983
Active commuting	38.49608623
Social	—
2-parent households	6.210701912
Voting	42.51251123
Neighborhood	—
Alcohol availability	26.89593225
Park access	23.59810086
Retail density	82.29180033
Supermarket access	28.64108816
Tree canopy	27.11407674
Housing	—
Homeownership	72.5009624

Housing habitability	44.11651482
Low-inc homeowner severe housing cost burden	30.42474015
Low-inc renter severe housing cost burden	41.99923008
Uncrowded housing	35.53188759
Health Outcomes	—
Insured adults	63.91633517
Arthritis	24.0
Asthma ER Admissions	43.7
High Blood Pressure	40.5
Cancer (excluding skin)	38.7
Asthma	30.0
Coronary Heart Disease	37.1
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	35.6
Life Expectancy at Birth	55.9
Cognitively Disabled	4.2
Physically Disabled	1.3
Heart Attack ER Admissions	10.5
Mental Health Not Good	36.5
Chronic Kidney Disease	35.4
Obesity	35.5
Pedestrian Injuries	73.9
Physical Health Not Good	35.1
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	54.2
Current Smoker	36.3

No Leisure Time for Physical Activity	41.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	26.6
Elderly	18.5
English Speaking	29.9
Foreign-born	39.1
Outdoor Workers	60.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	65.4
Traffic Density	46.4
Traffic Access	23.0
Other Indices	—
Hardship	69.6
Other Decision Support	—
2016 Voting	60.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	76.0
Healthy Places Index Score for Project Location (b)	29.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	per applicant provided Data Request received 5/30/2023. Architectural Coating assumed to overlap with final 3 months of Building Construction.
Operations: Vehicle Data	For Health Risk Calculations Only. Revised per applicant provided daily trip total in Trip Generation Estimates for 2, 3, and 4 axle trucks only. No passenger cars. ITE Code 150 (Heavy Warehousing).
Operations: Fleet Mix	For Health Risk Calculations only. Fleet mixes revised based on project Trip Generation Estimates. Adjusted to show truck trips only. 2-Axle=LHD2; 3-Axle=MHD; 4-Axle=HHD.
Operations: Architectural Coatings	SCAQMD Rule 1113
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Off-Road Equipment	Assuming 6 CNG forklifts (2 per warehouse) and 3 diesel yard mules (1 per warehouse)

Appendix C

AERMOD Outputs

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.1
** Lakes Environmental Software Inc.
** Date: 7/29/2023
** File: C:\Lakes\Projects\9th and Vineyard HRA\9th and Vineyard HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\Projects\9th and Vineyard HRA\9th and Vineyard HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "9th and Vineyard HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Building 1 North Parking
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443293.059, 3772904.881, 349.87, 3.66, 13.95
** 443448.209, 3772904.881, 347.65, 3.66, 13.95
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   443300.559 3772904.881 349.75
   LOCATION L0000002     VOLUME   443330.559 3772904.881 349.28
   LOCATION L0000003     VOLUME   443360.559 3772904.881 348.60
   LOCATION L0000004     VOLUME   443390.559 3772904.881 348.08
   LOCATION L0000005     VOLUME   443420.559 3772904.881 347.75
** End of LINE VOLUME Source ID = SLINE1
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Building 1 North Docks
** PREFIX
** Length of Side = 7.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443295.358, 3772857.187, 348.77, 3.66, 6.51
** 443491.306, 3772857.187, 346.46, 3.66, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000016     VOLUME   443298.858 3772857.187 348.77
   LOCATION L0000017     VOLUME   443312.858 3772857.187 348.64
   LOCATION L0000018     VOLUME   443326.858 3772857.187 348.52
   LOCATION L0000019     VOLUME   443340.858 3772857.187 348.30
   LOCATION L0000020     VOLUME   443354.858 3772857.187 348.04
   LOCATION L0000021     VOLUME   443368.858 3772857.187 347.74
   LOCATION L0000022     VOLUME   443382.858 3772857.187 347.44
   LOCATION L0000023     VOLUME   443396.858 3772857.187 347.18
   LOCATION L0000024     VOLUME   443410.858 3772857.187 346.98
   LOCATION L0000025     VOLUME   443424.858 3772857.187 346.91
   LOCATION L0000026     VOLUME   443438.858 3772857.187 346.91
   LOCATION L0000027     VOLUME   443452.858 3772857.187 346.82
   LOCATION L0000028     VOLUME   443466.858 3772857.187 346.76
   LOCATION L0000029     VOLUME   443480.858 3772857.187 346.65
** End of LINE VOLUME Source ID = SLINE2
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Building 1 Onsite Haul East
** PREFIX
** Length of Side = 15.00
```

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** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 6
** 443297.082, 3772872.127, 349.10, 3.66, 13.95
** 443499.927, 3772869.829, 346.40, 3.66, 13.95
** 443506.242, 3772869.809, 346.32, 3.66, 13.95
** 443576.447, 3772779.475, 344.03, 3.66, 13.95
** 443578.487, 3772727.713, 343.23, 3.66, 13.95
** 443611.125, 3772727.458, 343.36, 3.66, 13.95
** ------------------------------------------------------------------------
   LOCATION L0000058     VOLUME   443304.581 3772872.042 348.98
   LOCATION L0000059     VOLUME   443334.579 3772871.702 348.64
   LOCATION L0000060     VOLUME   443364.577 3772871.363 348.03
   LOCATION L0000061     VOLUME   443394.575 3772871.023 347.43
   LOCATION L0000062     VOLUME   443424.573 3772870.683 347.19
   LOCATION L0000063     VOLUME   443454.572 3772870.343 346.96
   LOCATION L0000064     VOLUME   443484.570 3772870.003 346.63
   LOCATION L0000065     VOLUME   443511.351 3772863.234 346.27
   LOCATION L0000066     VOLUME   443529.761 3772839.547 345.74
   LOCATION L0000067     VOLUME   443548.170 3772815.859 345.05
   LOCATION L0000068     VOLUME   443566.579 3772792.172 344.46
   LOCATION L0000069     VOLUME   443576.995 3772765.566 343.93
   LOCATION L0000070     VOLUME   443578.176 3772735.589 343.39
   LOCATION L0000071     VOLUME   443600.603 3772727.540 343.10
** End of LINE VOLUME Source ID = SLINE3
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Building 1 South Parking
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443295.741, 3772621.762, 345.04, 3.66, 13.95
** 443502.628, 3772621.762, 343.11, 3.66, 13.95
** ------------------------------------------------------------------------
   LOCATION L0000099     VOLUME   443303.241 3772621.762 344.96
   LOCATION L0000100     VOLUME   443333.241 3772621.762 344.46
   LOCATION L0000101     VOLUME   443363.241 3772621.762 343.88
   LOCATION L0000102     VOLUME   443393.241 3772621.762 343.92
   LOCATION L0000103     VOLUME   443423.241 3772621.762 343.79
   LOCATION L0000104     VOLUME   443453.241 3772621.762 343.69
   LOCATION L0000105     VOLUME   443483.241 3772621.762 343.37
** End of LINE VOLUME Source ID = SLINE4
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Building 1 South Dock
** PREFIX
** Length of Side = 7.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443300.339, 3772655.094, 344.89, 3.66, 6.51
** 443518.144, 3772654.519, 342.72, 3.66, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000106     VOLUME   443303.839 3772655.085 344.85
   LOCATION L0000107     VOLUME   443317.839 3772655.048 344.65
   LOCATION L0000108     VOLUME   443331.839 3772655.011 344.53
   LOCATION L0000109     VOLUME   443345.839 3772654.974 344.70
   LOCATION L0000110     VOLUME   443359.839 3772654.937 344.70
   LOCATION L0000111     VOLUME   443373.839 3772654.900 344.64
   LOCATION L0000112     VOLUME   443387.839 3772654.863 344.61
   LOCATION L0000113     VOLUME   443401.839 3772654.826 344.50
   LOCATION L0000114     VOLUME   443415.838 3772654.789 344.02
   LOCATION L0000115     VOLUME   443429.838 3772654.752 343.19
   LOCATION L0000116     VOLUME   443443.838 3772654.715 343.18
   LOCATION L0000117     VOLUME   443457.838 3772654.678 343.07
   LOCATION L0000118     VOLUME   443471.838 3772654.641 342.99
   LOCATION L0000119     VOLUME   443485.838 3772654.604 342.97
   LOCATION L0000120     VOLUME   443499.838 3772654.567 342.87
   LOCATION L0000121     VOLUME   443513.838 3772654.530 342.72
** End of LINE VOLUME Source ID = SLINE5
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Building 1 South Onsite Haul Northern Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
```

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** Nodes = 5
** 443520.443, 3772637.279, 342.67, 3.66, 13.95
** 443233.101, 3772639.003, 345.57, 3.66, 13.95
** 443234.250, 3772876.347, 350.04, 3.66, 13.95
** 443256.088, 3772914.277, 350.52, 3.66, 13.95
** 443256.663, 3772929.218, 350.73, 3.66, 13.95
** ----------------------------------------------------------------------
   LOCATION L0000122     VOLUME   443512.943 3772637.324 342.77
   LOCATION L0000123     VOLUME   443482.944 3772637.504 343.29
   LOCATION L0000124     VOLUME   443452.944 3772637.684 343.56
   LOCATION L0000125     VOLUME   443422.945 3772637.864 343.79
   LOCATION L0000126     VOLUME   443392.945 3772638.044 344.25
   LOCATION L0000127     VOLUME   443362.946 3772638.224 344.31
   LOCATION L0000128     VOLUME   443332.947 3772638.404 344.76
   LOCATION L0000129     VOLUME   443302.947 3772638.584 345.13
   LOCATION L0000130     VOLUME   443272.948 3772638.764 345.19
   LOCATION L0000131     VOLUME   443242.948 3772638.944 345.51
   LOCATION L0000132     VOLUME   443233.198 3772659.155 346.23
   LOCATION L0000133     VOLUME   443233.344 3772689.155 346.75
   LOCATION L0000134     VOLUME   443233.489 3772719.154 347.04
   LOCATION L0000135     VOLUME   443233.634 3772749.154 347.61
   LOCATION L0000136     VOLUME   443233.779 3772779.153 347.93
   LOCATION L0000137     VOLUME   443233.925 3772809.153 348.52
   LOCATION L0000138     VOLUME   443234.070 3772839.153 349.23
   LOCATION L0000139     VOLUME   443234.215 3772869.152 349.89
   LOCATION L0000140     VOLUME   443245.629 3772896.111 350.31
   LOCATION L0000141     VOLUME   443256.436 3772923.308 350.67
** End of LINE VOLUME Source ID = SLINE7
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Building 1 South Onsite Haul to North Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 5
** 443305.511, 3772636.129, 345.07, 3.66, 6.98
** 443562.970, 3772636.129, 342.44, 3.66, 6.98
** 443577.337, 3772647.623, 342.48, 3.66, 6.98
** 443579.061, 3772727.504, 343.22, 3.66, 6.98
** 443610.669, 3772728.653, 343.34, 3.66, 6.98
** ----------------------------------------------------------------------
   LOCATION L0000181     VOLUME   443313.011 3772636.129 344.93
   LOCATION L0000182     VOLUME   443328.011 3772636.129 344.75
   LOCATION L0000183     VOLUME   443343.011 3772636.129 344.69
   LOCATION L0000184     VOLUME   443358.011 3772636.129 344.29
   LOCATION L0000185     VOLUME   443373.011 3772636.129 344.25
   LOCATION L0000186     VOLUME   443388.011 3772636.129 344.23
   LOCATION L0000187     VOLUME   443403.011 3772636.129 344.17
   LOCATION L0000188     VOLUME   443418.011 3772636.129 343.90
   LOCATION L0000189     VOLUME   443433.011 3772636.129 343.71
   LOCATION L0000190     VOLUME   443448.011 3772636.129 343.63
   LOCATION L0000191     VOLUME   443463.011 3772636.129 343.44
   LOCATION L0000192     VOLUME   443478.011 3772636.129 343.34
   LOCATION L0000193     VOLUME   443493.011 3772636.129 343.17
   LOCATION L0000194     VOLUME   443508.011 3772636.129 342.88
   LOCATION L0000195     VOLUME   443523.011 3772636.129 342.64
   LOCATION L0000196     VOLUME   443538.011 3772636.129 342.52
   LOCATION L0000197     VOLUME   443553.011 3772636.129 342.43
   LOCATION L0000198     VOLUME   443566.906 3772639.278 342.45
   LOCATION L0000199     VOLUME   443577.372 3772649.265 342.48
   LOCATION L0000200     VOLUME   443577.696 3772664.261 342.63
   LOCATION L0000201     VOLUME   443578.020 3772679.258 342.89
   LOCATION L0000202     VOLUME   443578.343 3772694.254 342.89
   LOCATION L0000203     VOLUME   443578.667 3772709.251 342.94
   LOCATION L0000204     VOLUME   443578.991 3772724.247 343.15
   LOCATION L0000205     VOLUME   443590.796 3772727.931 343.17
   LOCATION L0000206     VOLUME   443605.786 3772728.476 343.07
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE8
** DESCRSRC Building 2 Dock
** PREFIX
** Length of Side = 7.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443088.855, 3772656.818, 346.74, 3.66, 6.51
** 443179.655, 3772656.818, 347.41, 3.66, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000207     VOLUME   443092.355 3772656.818 346.68
   LOCATION L0000208     VOLUME   443106.355 3772656.818 347.33
   LOCATION L0000209     VOLUME   443120.355 3772656.818 347.55
   LOCATION L0000210     VOLUME   443134.355 3772656.818 347.64
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   LOCATION L0000211     VOLUME   443148.355 3772656.818 347.63
   LOCATION L0000212     VOLUME   443162.355 3772656.818 347.57
   LOCATION L0000213     VOLUME   443176.355 3772656.818 347.51
** End of LINE VOLUME Source ID = SLINE8
** ----------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE9
** DESCRSRC Building 2 Onsite Haul to Eastern Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 5
** 443090.579, 3772636.129, 346.67, 3.66, 13.95
** 443565.843, 3772638.428, 342.44, 3.66, 13.95
** 443579.061, 3772648.198, 342.47, 3.66, 13.95
** 443577.337, 3772728.653, 343.25, 3.66, 13.95
** 443610.094, 3772728.653, 343.31, 3.66, 13.95
** ----------------------------------------------------------------
   LOCATION L0000214     VOLUME   443098.079 3772636.165 346.73
   LOCATION L0000215     VOLUME   443128.079 3772636.311 347.38
   LOCATION L0000216     VOLUME   443158.078 3772636.456 347.54
   LOCATION L0000217     VOLUME   443188.078 3772636.601 347.26
   LOCATION L0000218     VOLUME   443218.078 3772636.746 345.95
   LOCATION L0000219     VOLUME   443248.077 3772636.891 345.40
   LOCATION L0000220     VOLUME   443278.077 3772637.036 345.21
   LOCATION L0000221     VOLUME   443308.076 3772637.181 345.04
   LOCATION L0000222     VOLUME   443338.076 3772637.326 344.78
   LOCATION L0000223     VOLUME   443368.076 3772637.471 344.28
   LOCATION L0000224     VOLUME   443398.075 3772637.616 344.22
   LOCATION L0000225     VOLUME   443428.075 3772637.762 343.72
   LOCATION L0000226     VOLUME   443458.075 3772637.907 343.48
   LOCATION L0000227     VOLUME   443488.074 3772638.052 343.22
   LOCATION L0000228     VOLUME   443518.074 3772638.197 342.68
   LOCATION L0000229     VOLUME   443548.074 3772638.342 342.46
   LOCATION L0000230     VOLUME   443575.678 3772645.697 342.46
   LOCATION L0000231     VOLUME   443578.508 3772673.986 342.80
   LOCATION L0000232     VOLUME   443577.866 3772703.979 342.86
   LOCATION L0000233     VOLUME   443582.656 3772728.653 343.19
** End of LINE VOLUME Source ID = SLINE9
** ----------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE10
** DESCRSRC Building 2 Onsite Haul to North Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 5
** 443090.004, 3772637.279, 346.67, 3.66, 13.95
** 443233.675, 3772637.853, 345.55, 3.66, 13.95
** 443235.400, 3772876.347, 350.04, 3.66, 13.95
** 443256.663, 3772916.001, 350.54, 3.66, 13.95
** 443257.238, 3772928.644, 350.73, 3.66, 13.95
** ----------------------------------------------------------------
   LOCATION L0000274     VOLUME   443097.504 3772637.309 346.74
   LOCATION L0000275     VOLUME   443127.504 3772637.429 347.39
   LOCATION L0000276     VOLUME   443157.504 3772637.549 347.55
   LOCATION L0000277     VOLUME   443187.504 3772637.669 347.27
   LOCATION L0000278     VOLUME   443217.503 3772637.789 346.00
   LOCATION L0000279     VOLUME   443233.775 3772651.681 346.02
   LOCATION L0000280     VOLUME   443233.992 3772681.680 346.62
   LOCATION L0000281     VOLUME   443234.209 3772711.679 346.97
   LOCATION L0000282     VOLUME   443234.426 3772741.678 347.60
   LOCATION L0000283     VOLUME   443234.643 3772771.677 347.78
   LOCATION L0000284     VOLUME   443234.860 3772801.677 348.38
   LOCATION L0000285     VOLUME   443235.077 3772831.676 348.98
   LOCATION L0000286     VOLUME   443235.293 3772861.675 349.70
   LOCATION L0000287     VOLUME   443242.643 3772889.855 350.24
   LOCATION L0000288     VOLUME   443256.678 3772916.333 350.53
** End of LINE VOLUME Source ID = SLINE10
** ----------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE11
** DESCRSRC Building 3 Parking
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443040.581, 3772781.524, 350.09, 3.66, 13.95
** 443041.156, 3772653.944, 347.90, 3.66, 13.95
** ----------------------------------------------------------------
   LOCATION L0000289     VOLUME   443040.615 3772774.025 350.04
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   LOCATION L0000290     VOLUME   443040.750 3772744.025 349.40
   LOCATION L0000291     VOLUME   443040.885 3772714.025 348.18
   LOCATION L0000292     VOLUME   443041.021 3772684.025 348.30
   LOCATION L0000293     VOLUME   443041.156 3772654.026 348.03
** End of LINE VOLUME Source ID = SLINE11
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE12
** DESCRSRC Building 3 Dock
** PREFIX
** Length of Side = 7.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 443004.951, 3772779.226, 350.72, 3.66, 6.51
** 443005.526, 3772660.841, 348.56, 3.66, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000303     VOLUME   443004.968 3772775.726 350.81
   LOCATION L0000304     VOLUME   443005.036 3772761.726 350.47
   LOCATION L0000305     VOLUME   443005.104 3772747.726 350.03
   LOCATION L0000306     VOLUME   443005.172 3772733.726 349.14
   LOCATION L0000307     VOLUME   443005.240 3772719.726 348.82
   LOCATION L0000308     VOLUME   443005.308 3772705.727 348.70
   LOCATION L0000309     VOLUME   443005.376 3772691.727 348.59
   LOCATION L0000310     VOLUME   443005.444 3772677.727 348.57
   LOCATION L0000311     VOLUME   443005.512 3772663.727 348.58
** End of LINE VOLUME Source ID = SLINE12
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE13
** DESCRSRC Building 3 Onsite Haul to Eastern Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 8
** 443024.490, 3772780.375, 350.56, 3.66, 13.95
** 443025.065, 3772617.165, 347.84, 3.66, 13.95
** 443222.756, 3772617.165, 345.34, 3.66, 13.95
** 443239.997, 3772637.279, 345.52, 3.66, 13.95
** 443564.119, 3772636.704, 342.44, 3.66, 13.95
** 443578.486, 3772648.198, 342.47, 3.66, 13.95
** 443579.636, 3772726.355, 343.20, 3.66, 13.95
** 443610.094, 3772726.929, 343.32, 3.66, 13.95
** ----------------------------------------------------------------------
   LOCATION L0000312     VOLUME   443024.517 3772772.875 350.43
   LOCATION L0000313     VOLUME   443024.622 3772742.875 349.55
   LOCATION L0000314     VOLUME   443024.728 3772712.875 348.48
   LOCATION L0000315     VOLUME   443024.834 3772682.876 348.44
   LOCATION L0000316     VOLUME   443024.939 3772652.876 348.36
   LOCATION L0000317     VOLUME   443025.045 3772622.876 347.98
   LOCATION L0000318     VOLUME   443049.353 3772617.165 347.44
   LOCATION L0000319     VOLUME   443079.353 3772617.165 346.73
   LOCATION L0000320     VOLUME   443109.353 3772617.165 346.81
   LOCATION L0000321     VOLUME   443139.353 3772617.165 347.04
   LOCATION L0000322     VOLUME   443169.353 3772617.165 347.12
   LOCATION L0000323     VOLUME   443199.353 3772617.165 346.62
   LOCATION L0000324     VOLUME   443227.050 3772622.173 345.33
   LOCATION L0000325     VOLUME   443250.102 3772637.261 345.39
   LOCATION L0000326     VOLUME   443280.102 3772637.207 345.23
   LOCATION L0000327     VOLUME   443310.102 3772637.154 344.98
   LOCATION L0000328     VOLUME   443340.102 3772637.101 344.78
   LOCATION L0000329     VOLUME   443370.102 3772637.048 344.27
   LOCATION L0000330     VOLUME   443400.102 3772636.995 344.19
   LOCATION L0000331     VOLUME   443430.102 3772636.942 343.71
   LOCATION L0000332     VOLUME   443460.102 3772636.888 343.46
   LOCATION L0000333     VOLUME   443490.102 3772636.835 343.21
   LOCATION L0000334     VOLUME   443520.102 3772636.782 342.66
   LOCATION L0000335     VOLUME   443550.102 3772636.729 342.45
   LOCATION L0000336     VOLUME   443576.600 3772646.688 342.47
   LOCATION L0000337     VOLUME   443578.892 3772675.778 342.84
   LOCATION L0000338     VOLUME   443579.333 3772705.775 342.88
   LOCATION L0000339     VOLUME   443589.052 3772726.532 343.15
** End of LINE VOLUME Source ID = SLINE13
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE14
** DESCRSRC Building 3 Onsite Haul to North Egress
** PREFIX
** Length of Side = 15.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 7
** 443024.490, 3772781.524, 350.58, 3.66, 13.95
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** 443024.490, 3772616.590, 347.79, 3.66, 13.95
** 443222.756, 3772617.739, 345.34, 3.66, 13.95
** 443235.400, 3772630.957, 345.32, 3.66, 13.95
** 443234.825, 3772875.773, 350.04, 3.66, 13.95
** 443256.088, 3772917.150, 350.54, 3.66, 13.95
** 443257.238, 3772929.218, 350.73, 3.66, 13.95
** ----------------------------------------------------------------------
   LOCATION L0000340     VOLUME   443024.490 3772774.024 350.46
   LOCATION L0000341     VOLUME   443024.490 3772744.024 349.62
   LOCATION L0000342     VOLUME   443024.490 3772714.024 348.49
   LOCATION L0000343     VOLUME   443024.490 3772684.024 348.44
   LOCATION L0000344     VOLUME   443024.490 3772654.024 348.37
   LOCATION L0000345     VOLUME   443024.490 3772624.024 348.00
   LOCATION L0000346     VOLUME   443047.055 3772616.721 347.47
   LOCATION L0000347     VOLUME   443077.055 3772616.895 346.75
   LOCATION L0000348     VOLUME   443107.054 3772617.069 346.76
   LOCATION L0000349     VOLUME   443137.054 3772617.242 347.03
   LOCATION L0000350     VOLUME   443167.053 3772617.416 347.15
   LOCATION L0000351     VOLUME   443197.053 3772617.590 346.76
   LOCATION L0000352     VOLUME   443225.726 3772620.844 345.35
   LOCATION L0000353     VOLUME   443235.362 3772646.962 345.85
   LOCATION L0000354     VOLUME   443235.292 3772676.962 346.51
   LOCATION L0000355     VOLUME   443235.221 3772706.962 346.89
   LOCATION L0000356     VOLUME   443235.151 3772736.962 347.49
   LOCATION L0000357     VOLUME   443235.080 3772766.962 347.72
   LOCATION L0000358     VOLUME   443235.010 3772796.962 348.28
   LOCATION L0000359     VOLUME   443234.939 3772826.962 348.84
   LOCATION L0000360     VOLUME   443234.869 3772856.962 349.61
   LOCATION L0000361     VOLUME   443239.939 3772885.724 350.20
   LOCATION L0000362     VOLUME   443253.651 3772912.407 350.49
** End of LINE VOLUME Source ID = SLINE14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE15
** DESCRSRC North Egress (9th) to Haul North (Vineyard)
** PREFIX
** Length of Side = 12.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 9
** 443256.795, 3772935.321, 350.78, 3.66, 0.00
** 443260.396, 3772938.923, 350.72, 3.66, 11.16
** 443558.095, 3772935.922, 348.08, 3.66, 11.16
** 443627.801, 3772935.582, 346.55, 3.66, 11.16
** 443634.298, 3772937.786, 346.55, 3.66, 11.16
** 443636.684, 3772944.508, 346.80, 3.66, 11.16
** 443635.169, 3773102.510, 350.68, 3.66, 11.16
** 443639.646, 3773280.490, 354.98, 3.66, 11.16
** 443637.645, 3773347.331, 356.08, 3.66, 11.16
** ----------------------------------------------------------------------
   LOCATION L0000363     VOLUME   443261.303 3772938.913 350.76
   LOCATION L0000364     VOLUME   443285.302 3772938.671 350.41
   LOCATION L0000365     VOLUME   443309.301 3772938.430 350.02
   LOCATION L0000366     VOLUME   443333.300 3772938.188 349.67
   LOCATION L0000367     VOLUME   443357.299 3772937.946 349.36
   LOCATION L0000368     VOLUME   443381.297 3772937.704 349.05
   LOCATION L0000369     VOLUME   443405.296 3772937.462 348.73
   LOCATION L0000370     VOLUME   443429.295 3772937.220 348.49
   LOCATION L0000371     VOLUME   443453.294 3772936.978 348.28
   LOCATION L0000372     VOLUME   443477.292 3772936.736 348.34
   LOCATION L0000373     VOLUME   443501.291 3772936.494 348.50
   LOCATION L0000374     VOLUME   443525.290 3772936.252 347.23
   LOCATION L0000375     VOLUME   443549.289 3772936.010 348.32
   LOCATION L0000376     VOLUME   443573.288 3772935.848 347.80
   LOCATION L0000377     VOLUME   443597.288 3772935.731 347.30
   LOCATION L0000378     VOLUME   443621.288 3772935.614 346.60
   LOCATION L0000379     VOLUME   443636.650 3772948.000 346.87
   LOCATION L0000380     VOLUME   443636.420 3772971.999 347.51
   LOCATION L0000381     VOLUME   443636.190 3772995.998 348.05
   LOCATION L0000382     VOLUME   443635.960 3773019.997 348.68
   LOCATION L0000383     VOLUME   443635.730 3773043.996 349.25
   LOCATION L0000384     VOLUME   443635.500 3773067.995 349.81
   LOCATION L0000385     VOLUME   443635.270 3773091.994 350.41
   LOCATION L0000386     VOLUME   443635.509 3773115.989 351.01
   LOCATION L0000387     VOLUME   443636.112 3773139.981 351.63
   LOCATION L0000388     VOLUME   443636.715 3773163.974 352.23
   LOCATION L0000389     VOLUME   443637.319 3773187.966 352.82
   LOCATION L0000390     VOLUME   443637.922 3773211.959 353.39
   LOCATION L0000391     VOLUME   443638.526 3773235.951 353.93
   LOCATION L0000392     VOLUME   443639.129 3773259.944 354.48
   LOCATION L0000393     VOLUME   443639.543 3773283.936 355.02
   LOCATION L0000394     VOLUME   443638.825 3773307.925 355.56
   LOCATION L0000395     VOLUME   443638.107 3773331.914 355.90
** End of LINE VOLUME Source ID = SLINE15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE16
** DESCRSRC Eastern Egress to Haul South (Vineyard)
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** PREFIX
** Length of Side = 12.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 8
** 443615.278, 3772728.167, 343.41, 3.66, 11.16
** 443621.146, 3772726.891, 344.07, 3.66, 11.16
** 443625.738, 3772723.065, 344.06, 3.66, 11.16
** 443623.952, 3772638.619, 342.17, 3.66, 11.16
** 443621.080, 3772546.105, 340.02, 3.66, 11.16
** 443620.671, 3772452.770, 338.55, 3.66, 11.16
** 443618.652, 3772318.799, 336.40, 3.66, 11.16
** 443613.720, 3772137.024, 333.04, 3.66, 11.16
** --------------------------------------------------------------------
   LOCATION L0000396     VOLUME   443621.141 3772726.892 344.00
   LOCATION L0000397     VOLUME   443625.357 3772705.051 343.75
   LOCATION L0000398     VOLUME   443624.850 3772681.057 343.11
   LOCATION L0000399     VOLUME   443624.342 3772657.062 342.52
   LOCATION L0000400     VOLUME   443623.780 3772633.069 342.16
   LOCATION L0000401     VOLUME   443623.035 3772609.080 342.02
   LOCATION L0000402     VOLUME   443622.291 3772585.092 341.90
   LOCATION L0000403     VOLUME   443621.546 3772561.103 340.78
   LOCATION L0000404     VOLUME   443621.041 3772537.111 339.83
   LOCATION L0000405     VOLUME   443620.936 3772513.111 339.41
   LOCATION L0000406     VOLUME   443620.830 3772489.111 339.14
   LOCATION L0000407     VOLUME   443620.725 3772465.111 338.78
   LOCATION L0000408     VOLUME   443620.495 3772441.113 338.39
   LOCATION L0000409     VOLUME   443620.133 3772417.116 338.02
   LOCATION L0000410     VOLUME   443619.772 3772393.118 337.63
   LOCATION L0000411     VOLUME   443619.410 3772369.121 337.21
   LOCATION L0000412     VOLUME   443619.049 3772345.124 336.81
   LOCATION L0000413     VOLUME   443618.687 3772321.126 336.40
   LOCATION L0000414     VOLUME   443618.064 3772297.135 336.01
   LOCATION L0000415     VOLUME   443617.413 3772273.144 335.57
   LOCATION L0000416     VOLUME   443616.762 3772249.152 335.15
   LOCATION L0000417     VOLUME   443616.111 3772225.161 334.76
   LOCATION L0000418     VOLUME   443615.460 3772201.170 334.34
   LOCATION L0000419     VOLUME   443614.809 3772177.179 333.89
   LOCATION L0000420     VOLUME   443614.158 3772153.188 333.44
** End of LINE VOLUME Source ID = SLINE16
** --------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE17
** DESCRSRC Eastern Egress to Haul North (Vineyard)
** PREFIX
** Length of Side = 12.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 7
** 443613.493, 3772726.654, 343.40, 3.66, 11.16
** 443627.182, 3772727.143, 344.12, 3.66, 11.16
** 443635.004, 3772732.520, 344.23, 3.66, 11.16
** 443636.960, 3772865.495, 344.93, 3.66, 11.16
** 443635.413, 3773072.819, 349.95, 3.66, 11.16
** 443639.149, 3773262.762, 354.54, 3.66, 11.16
** 443637.347, 3773347.439, 356.09, 3.66, 11.16
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   LOCATION L0000471     VOLUME   443619.490 3772726.868 343.85
   LOCATION L0000472     VOLUME   443635.104 3772739.330 344.30
   LOCATION L0000473     VOLUME   443635.457 3772763.327 344.18
   LOCATION L0000474     VOLUME   443635.810 3772787.325 344.83
   LOCATION L0000475     VOLUME   443636.163 3772811.322 344.89
   LOCATION L0000476     VOLUME   443636.516 3772835.320 344.80
   LOCATION L0000477     VOLUME   443636.869 3772859.317 344.85
   LOCATION L0000478     VOLUME   443636.827 3772883.316 345.18
   LOCATION L0000479     VOLUME   443636.648 3772907.315 345.81
   LOCATION L0000480     VOLUME   443636.469 3772931.315 346.45
   LOCATION L0000481     VOLUME   443636.290 3772955.314 347.09
   LOCATION L0000482     VOLUME   443636.110 3772979.313 347.66
   LOCATION L0000483     VOLUME   443635.931 3773003.313 348.25
   LOCATION L0000484     VOLUME   443635.752 3773027.312 348.85
   LOCATION L0000485     VOLUME   443635.573 3773051.311 349.43
   LOCATION L0000486     VOLUME   443635.462 3773075.310 349.99
   LOCATION L0000487     VOLUME   443635.934 3773099.306 350.59
   LOCATION L0000488     VOLUME   443636.406 3773123.301 351.19
   LOCATION L0000489     VOLUME   443636.878 3773147.296 351.80
   LOCATION L0000490     VOLUME   443637.350 3773171.292 352.42
   LOCATION L0000491     VOLUME   443637.822 3773195.287 352.99
   LOCATION L0000492     VOLUME   443638.294 3773219.282 353.55
   LOCATION L0000493     VOLUME   443638.766 3773243.278 354.10
   LOCATION L0000494     VOLUME   443639.053 3773267.273 354.65
   LOCATION L0000495     VOLUME   443638.542 3773291.267 355.18
   LOCATION L0000496     VOLUME   443638.032 3773315.262 355.71
   LOCATION L0000497     VOLUME   443637.521 3773339.257 355.98
** End of LINE VOLUME Source ID = SLINE17
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Grading and Site Preparation
** PREFIX
** Length of Side = 10.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 70
** 442852.517, 3772827.387, 353.77, 3.66, 9.30
** 442854.110, 3772627.488, 349.73, 3.66, 9.30
** 442878.003, 3772629.081, 349.37, 3.66, 9.30
** 442876.410, 3772827.387, 353.35, 3.66, 9.30
** 442903.488, 3772827.387, 352.88, 3.66, 9.30
** 442899.506, 3772628.285, 349.02, 3.66, 9.30
** 442927.380, 3772629.878, 348.93, 3.66, 9.30
** 442926.584, 3772829.777, 352.77, 3.66, 9.30
** 442956.051, 3772828.184, 352.50, 3.66, 9.30
** 442954.458, 3772630.674, 348.64, 3.66, 9.30
** 442982.332, 3772630.674, 348.30, 3.66, 9.30
** 442981.536, 3772828.184, 352.24, 3.66, 9.30
** 443007.021, 3772828.980, 351.98, 3.66, 9.30
** 443007.021, 3772631.470, 348.16, 3.66, 9.30
** 443021.357, 3772633.063, 348.09, 3.66, 9.30
** 443024.542, 3772823.405, 351.29, 3.66, 9.30
** 443036.488, 3772823.405, 350.64, 3.66, 9.30
** 443033.303, 3772629.081, 347.81, 3.66, 9.30
** 443059.584, 3772630.674, 347.35, 3.66, 9.30
** 443057.991, 3772731.022, 348.12, 3.66, 9.30
** 443083.477, 3772731.022, 347.77, 3.66, 9.30
** 443082.680, 3772630.674, 346.68, 3.66, 9.30
** 443104.980, 3772633.860, 346.82, 3.66, 9.30
** 443097.812, 3772731.818, 347.70, 3.66, 9.30
** 443123.297, 3772730.225, 347.69, 3.66, 9.30
** 443123.297, 3772637.045, 347.34, 3.66, 9.30
** 443146.393, 3772640.231, 347.53, 3.66, 9.30
** 443146.393, 3772729.429, 347.47, 3.66, 9.30
** 443168.692, 3772730.225, 347.67, 3.66, 9.30
** 443167.100, 3772643.417, 347.57, 3.66, 9.30
** 443187.806, 3772643.417, 347.29, 3.66, 9.30
** 443186.213, 3772730.225, 347.63, 3.66, 9.30
** 443208.513, 3772730.225, 347.58, 3.66, 9.30
** 443202.938, 3772624.303, 346.69, 3.66, 9.30
** 443225.238, 3772627.488, 345.56, 3.66, 9.30
** 443222.052, 3772723.058, 347.25, 3.66, 9.30
** 443241.962, 3772724.650, 346.80, 3.66, 9.30
** 443240.369, 3772622.710, 345.11, 3.66, 9.30
** 443256.298, 3772624.303, 345.01, 3.66, 9.30
** 443256.298, 3772914.196, 350.52, 3.66, 9.30
** 443277.801, 3772914.196, 350.22, 3.66, 9.30
** 443274.615, 3772624.303, 345.00, 3.66, 9.30
** 443300.897, 3772625.099, 345.15, 3.66, 9.30
** 443300.100, 3772918.178, 349.90, 3.66, 9.30
** 443321.603, 3772918.178, 349.55, 3.66, 9.30
** 443320.807, 3772630.674, 344.82, 3.66, 9.30
** 443346.292, 3772631.470, 344.59, 3.66, 9.30
** 443343.106, 3772918.178, 349.11, 3.66, 9.30
** 443367.795, 3772916.585, 348.69, 3.66, 9.30
** 443365.406, 3772629.878, 344.09, 3.66, 9.30
** 443391.687, 3772631.470, 344.14, 3.66, 9.30
** 443390.891, 3772918.178, 348.21, 3.66, 9.30
** 443414.783, 3772918.178, 347.95, 3.66, 9.30
** 443413.987, 3772627.488, 343.89, 3.66, 9.30
** 443441.065, 3772627.488, 343.76, 3.66, 9.30
** 443437.083, 3772917.382, 347.95, 3.66, 9.30
** 443463.364, 3772916.585, 347.76, 3.66, 9.30
** 443462.568, 3772625.099, 343.52, 3.66, 9.30
** 443484.071, 3772625.099, 343.37, 3.66, 9.30
** 443478.496, 3772901.454, 347.29, 3.66, 9.30
** 443494.424, 3772900.657, 346.91, 3.66, 9.30
** 443499.203, 3772625.896, 343.18, 3.66, 9.30
** 443523.095, 3772626.692, 342.63, 3.66, 9.30
** 443519.910, 3772814.645, 345.48, 3.66, 9.30
** 443546.987, 3772814.645, 345.03, 3.66, 9.30
** 443546.191, 3772635.452, 342.47, 3.66, 9.30
** 443574.065, 3772635.452, 342.41, 3.66, 9.30
** 443570.880, 3772754.118, 343.75, 3.66, 9.30
** 443593.179, 3772750.932, 343.45, 3.66, 9.30
** 443592.383, 3772622.710, 342.09, 3.66, 9.30
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   LOCATION L0004842     VOLUME   442852.557 3772822.388 353.70
   LOCATION L0004843     VOLUME   442852.717 3772802.388 353.10
   LOCATION L0004844     VOLUME   442852.876 3772782.389 352.69
   LOCATION L0004845     VOLUME   442853.035 3772762.389 352.27
   LOCATION L0004846     VOLUME   442853.195 3772742.390 351.98
   LOCATION L0004847     VOLUME   442853.354 3772722.391 351.56
   LOCATION L0004848     VOLUME   442853.513 3772702.391 351.00
   LOCATION L0004849     VOLUME   442853.673 3772682.392 350.85
   LOCATION L0004850     VOLUME   442853.832 3772662.393 350.51
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LOCATION L0004851     VOLUME   442853.992 3772642.393 350.17
LOCATION L0004852     VOLUME   442859.194 3772627.827 349.73
LOCATION L0004853     VOLUME   442877.993 3772630.230 349.47
LOCATION L0004854     VOLUME   442877.833 3772650.230 349.99
LOCATION L0004855     VOLUME   442877.672 3772670.229 350.32
LOCATION L0004856     VOLUME   442877.511 3772690.228 350.70
LOCATION L0004857     VOLUME   442877.351 3772710.228 351.16
LOCATION L0004858     VOLUME   442877.190 3772730.227 351.22
LOCATION L0004859     VOLUME   442877.030 3772750.227 351.39
LOCATION L0004860     VOLUME   442876.869 3772770.226 351.67
LOCATION L0004861     VOLUME   442876.708 3772790.225 352.29
LOCATION L0004862     VOLUME   442876.548 3772810.225 352.85
LOCATION L0004863     VOLUME   442879.246 3772827.387 353.30
LOCATION L0004864     VOLUME   442899.246 3772827.387 353.05
LOCATION L0004865     VOLUME   442903.173 3772811.632 352.52
LOCATION L0004866     VOLUME   442902.773 3772791.636 352.06
LOCATION L0004867     VOLUME   442902.373 3772771.640 351.27
LOCATION L0004868     VOLUME   442901.973 3772751.644 351.13
LOCATION L0004869     VOLUME   442901.573 3772731.648 351.01
LOCATION L0004870     VOLUME   442901.173 3772711.652 350.48
LOCATION L0004871     VOLUME   442900.773 3772691.656 350.29
LOCATION L0004872     VOLUME   442900.373 3772671.660 350.09
LOCATION L0004873     VOLUME   442899.973 3772651.664 349.68
LOCATION L0004874     VOLUME   442899.573 3772631.668 349.18
LOCATION L0004875     VOLUME   442916.095 3772629.233 348.98
LOCATION L0004876     VOLUME   442927.345 3772638.574 349.13
LOCATION L0004877     VOLUME   442927.266 3772658.574 349.40
LOCATION L0004878     VOLUME   442927.186 3772678.574 349.61
LOCATION L0004879     VOLUME   442927.106 3772698.573 349.75
LOCATION L0004880     VOLUME   442927.027 3772718.573 349.85
LOCATION L0004881     VOLUME   442926.947 3772738.573 350.36
LOCATION L0004882     VOLUME   442926.867 3772758.573 350.62
LOCATION L0004883     VOLUME   442926.788 3772778.573 351.31
LOCATION L0004884     VOLUME   442926.708 3772798.573 352.12
LOCATION L0004885     VOLUME   442926.628 3772818.572 352.61
LOCATION L0004886     VOLUME   442935.367 3772829.302 352.84
LOCATION L0004887     VOLUME   442955.337 3772828.222 352.59
LOCATION L0004888     VOLUME   442955.895 3772808.899 352.14
LOCATION L0004889     VOLUME   442955.734 3772788.900 351.46
LOCATION L0004890     VOLUME   442955.573 3772768.900 350.40
LOCATION L0004891     VOLUME   442955.411 3772748.901 350.20
LOCATION L0004892     VOLUME   442955.250 3772728.901 349.60
LOCATION L0004893     VOLUME   442955.089 3772708.902 349.28
LOCATION L0004894     VOLUME   442954.928 3772688.903 349.07
LOCATION L0004895     VOLUME   442954.766 3772668.903 348.96
LOCATION L0004896     VOLUME   442954.605 3772648.904 348.86
LOCATION L0004897     VOLUME   442956.227 3772630.674 348.62
LOCATION L0004898     VOLUME   442976.227 3772630.674 348.32
LOCATION L0004899     VOLUME   442982.276 3772644.569 348.49
LOCATION L0004900     VOLUME   442982.196 3772664.569 348.73
LOCATION L0004901     VOLUME   442982.115 3772684.568 348.73
LOCATION L0004902     VOLUME   442982.034 3772704.568 348.91
LOCATION L0004903     VOLUME   442981.954 3772724.568 349.18
LOCATION L0004904     VOLUME   442981.873 3772744.568 350.12
LOCATION L0004905     VOLUME   442981.792 3772764.568 350.88
LOCATION L0004906     VOLUME   442981.712 3772784.568 351.22
LOCATION L0004907     VOLUME   442981.631 3772804.568 351.72
LOCATION L0004908     VOLUME   442981.551 3772824.567 352.22
LOCATION L0004909     VOLUME   442997.911 3772828.696 352.20
LOCATION L0004910     VOLUME   443007.021 3772818.094 351.74
LOCATION L0004911     VOLUME   443007.021 3772798.094 351.19
LOCATION L0004912     VOLUME   443007.021 3772778.094 350.81
LOCATION L0004913     VOLUME   443007.021 3772758.094 350.35
LOCATION L0004914     VOLUME   443007.021 3772738.094 349.43
LOCATION L0004915     VOLUME   443007.021 3772718.094 348.79
LOCATION L0004916     VOLUME   443007.021 3772698.094 348.63
LOCATION L0004917     VOLUME   443007.021 3772678.094 348.56
LOCATION L0004918     VOLUME   443007.021 3772658.094 348.51
LOCATION L0004919     VOLUME   443007.021 3772638.094 348.23
LOCATION L0004920     VOLUME   443020.315 3772632.948 348.14
LOCATION L0004921     VOLUME   443021.674 3772652.013 348.37
LOCATION L0004922     VOLUME   443022.008 3772672.010 348.48
LOCATION L0004923     VOLUME   443022.343 3772692.007 348.45
LOCATION L0004924     VOLUME   443022.678 3772712.005 348.51
LOCATION L0004925     VOLUME   443023.012 3772732.002 348.77
LOCATION L0004926     VOLUME   443023.347 3772751.999 349.95
LOCATION L0004927     VOLUME   443023.682 3772771.996 350.42
LOCATION L0004928     VOLUME   443024.016 3772791.993 350.74
LOCATION L0004929     VOLUME   443024.351 3772811.991 351.09
LOCATION L0004930     VOLUME   443033.126 3772823.405 350.71
LOCATION L0004931     VOLUME   443036.216 3772806.770 350.44
LOCATION L0004932     VOLUME   443035.888 3772786.773 350.28
LOCATION L0004933     VOLUME   443035.560 3772766.775 350.06
LOCATION L0004934     VOLUME   443035.232 3772746.778 349.57
LOCATION L0004935     VOLUME   443034.904 3772726.781 348.36
LOCATION L0004936     VOLUME   443034.576 3772706.783 348.39
LOCATION L0004937     VOLUME   443034.249 3772686.786 348.38
LOCATION L0004938     VOLUME   443033.921 3772666.789 348.32
LOCATION L0004939     VOLUME   443033.593 3772646.791 348.14
LOCATION L0004940     VOLUME   443035.586 3772629.220 347.91
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LOCATION L0004941     VOLUME   443055.549 3772630.429 347.43
LOCATION L0004942     VOLUME   443059.331 3772646.629 347.42
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LOCATION L0004945     VOLUME   443058.379 3772706.622 347.99
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   LOCATION L0005219     VOLUME   443592.652 3772665.968 342.64
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** DESCRSRC Building 1
** PREFIX
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** Configuration = Separated 2W
** Emission Rate = 1.0
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** 443426.729, 3772828.980, 346.37, 3.66, 9.30
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   LOCATION L0004704     VOLUME   443313.243 3772838.241 348.32
   LOCATION L0004705     VOLUME   443333.242 3772838.110 348.13
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   LOCATION L0004707     VOLUME   443373.242 3772837.846 347.37
   LOCATION L0004708     VOLUME   443393.241 3772837.715 346.91
   LOCATION L0004709     VOLUME   443413.241 3772837.583 346.62
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   LOCATION L0004711     VOLUME   443453.240 3772837.320 346.48
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   LOCATION L0004713     VOLUME   443493.239 3772837.057 346.13
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   LOCATION L0004719     VOLUME   443552.342 3772748.076 343.98
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   LOCATION L0004721     VOLUME   443552.070 3772708.077 343.19
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   LOCATION L0004724     VOLUME   443541.962 3772671.178 342.78
   LOCATION L0004725     VOLUME   443528.805 3772679.289 342.85
   LOCATION L0004726     VOLUME   443508.805 3772679.348 342.83
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   LOCATION L0004728     VOLUME   443468.805 3772679.464 342.83
   LOCATION L0004729     VOLUME   443448.805 3772679.523 342.81
   LOCATION L0004730     VOLUME   443428.805 3772679.581 342.91
   LOCATION L0004731     VOLUME   443408.805 3772679.639 344.78
   LOCATION L0004732     VOLUME   443388.805 3772679.698 345.02
   LOCATION L0004733     VOLUME   443368.805 3772679.756 345.15
   LOCATION L0004734     VOLUME   443348.806 3772679.814 345.19
   LOCATION L0004735     VOLUME   443328.806 3772679.873 345.13
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LOCATION L0004738     VOLUME   443268.806 3772680.047 345.72
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LOCATION L0004740     VOLUME   443267.244 3772718.692 346.47
LOCATION L0004741     VOLUME   443267.139 3772738.692 347.04
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LOCATION L0004745     VOLUME   443266.718 3772818.691 348.34
LOCATION L0004746     VOLUME   443273.899 3772830.334 348.51
LOCATION L0004747     VOLUME   443282.949 3772818.562 348.23
LOCATION L0004748     VOLUME   443282.131 3772798.579 347.79
LOCATION L0004749     VOLUME   443281.313 3772778.595 347.37
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LOCATION L0004753     VOLUME   443278.041 3772698.662 346.03
LOCATION L0004754     VOLUME   443291.927 3772692.794 345.82
LOCATION L0004755     VOLUME   443298.507 3772706.214 346.00
LOCATION L0004756     VOLUME   443298.507 3772726.214 346.34
LOCATION L0004757     VOLUME   443298.507 3772746.214 346.70
LOCATION L0004758     VOLUME   443298.507 3772766.214 346.96
LOCATION L0004759     VOLUME   443298.507 3772786.214 347.37
LOCATION L0004760     VOLUME   443298.507 3772806.214 347.83
LOCATION L0004761     VOLUME   443298.507 3772826.214 348.23
LOCATION L0004762     VOLUME   443311.759 3772832.962 348.26
LOCATION L0004763     VOLUME   443319.357 3772820.418 347.99
LOCATION L0004764     VOLUME   443319.584 3772800.419 347.62
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LOCATION L0004766     VOLUME   443320.038 3772760.422 346.72
LOCATION L0004767     VOLUME   443320.266 3772740.423 346.44
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LOCATION L0004773     VOLUME   443344.179 3772740.455 346.27
LOCATION L0004774     VOLUME   443343.627 3772760.447 346.60
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LOCATION L0004776     VOLUME   443342.522 3772800.432 347.39
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LOCATION L0004778     VOLUME   443344.976 3772836.667 347.98
LOCATION L0004779     VOLUME   443361.424 3772831.852 347.52
LOCATION L0004780     VOLUME   443361.424 3772811.852 347.15
LOCATION L0004781     VOLUME   443361.424 3772791.852 346.90
LOCATION L0004782     VOLUME   443361.424 3772771.852 346.60
LOCATION L0004783     VOLUME   443361.424 3772751.852 346.28
LOCATION L0004784     VOLUME   443361.424 3772731.852 345.88
LOCATION L0004785     VOLUME   443361.424 3772711.852 345.61
LOCATION L0004786     VOLUME   443361.424 3772691.852 345.37
LOCATION L0004787     VOLUME   443373.556 3772685.136 345.20
LOCATION L0004788     VOLUME   443387.576 3772692.213 345.18
LOCATION L0004789     VOLUME   443387.129 3772712.208 345.35
LOCATION L0004790     VOLUME   443386.682 3772732.203 345.46
LOCATION L0004791     VOLUME   443386.236 3772752.198 345.76
LOCATION L0004792     VOLUME   443385.789 3772772.193 346.00
LOCATION L0004793     VOLUME   443385.342 3772792.188 346.35
LOCATION L0004794     VOLUME   443384.895 3772812.183 346.72
LOCATION L0004795     VOLUME   443387.716 3772829.103 346.90
LOCATION L0004796     VOLUME   443405.197 3772827.300 346.54
LOCATION L0004797     VOLUME   443404.957 3772807.301 346.22
LOCATION L0004798     VOLUME   443404.718 3772787.303 345.83
LOCATION L0004799     VOLUME   443404.478 3772767.304 345.52
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LOCATION L0004801     VOLUME   443403.999 3772727.307 345.06
LOCATION L0004802     VOLUME   443403.760 3772707.308 345.11
LOCATION L0004803     VOLUME   443413.062 3772695.919 344.62
LOCATION L0004804     VOLUME   443429.842 3772697.463 343.23
LOCATION L0004805     VOLUME   443429.369 3772717.457 344.41
LOCATION L0004806     VOLUME   443428.896 3772737.452 344.78
LOCATION L0004807     VOLUME   443428.423 3772757.446 345.09
LOCATION L0004808     VOLUME   443427.949 3772777.440 345.47
LOCATION L0004809     VOLUME   443427.476 3772797.435 345.87
LOCATION L0004810     VOLUME   443427.003 3772817.429 346.27
LOCATION L0004811     VOLUME   443435.172 3772829.229 346.50
LOCATION L0004812     VOLUME   443453.792 3772828.421 346.35
LOCATION L0004813     VOLUME   443453.562 3772808.422 345.99
LOCATION L0004814     VOLUME   443453.332 3772788.423 345.62
LOCATION L0004815     VOLUME   443453.102 3772768.425 345.29
LOCATION L0004816     VOLUME   443452.872 3772748.426 344.83
LOCATION L0004817     VOLUME   443452.642 3772728.427 344.49
LOCATION L0004818     VOLUME   443452.413 3772708.429 343.73
LOCATION L0004819     VOLUME   443454.986 3772691.201 342.82
LOCATION L0004820     VOLUME   443474.986 3772691.201 342.85
LOCATION L0004821     VOLUME   443478.399 3772707.691 343.59
LOCATION L0004822     VOLUME   443478.282 3772727.691 344.47
LOCATION L0004823     VOLUME   443478.164 3772747.690 344.69
LOCATION L0004824     VOLUME   443478.046 3772767.690 345.20
LOCATION L0004825     VOLUME   443477.929 3772787.690 345.55
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   LOCATION L0004826     VOLUME   443477.811 3772807.689 345.86
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   LOCATION L0004828     VOLUME   443498.402 3772826.200 345.90
   LOCATION L0004829     VOLUME   443498.158 3772806.201 345.72
   LOCATION L0004830     VOLUME   443497.914 3772786.203 345.33
   LOCATION L0004831     VOLUME   443497.670 3772766.204 344.93
   LOCATION L0004832     VOLUME   443497.426 3772746.206 344.58
   LOCATION L0004833     VOLUME   443497.182 3772726.207 344.31
   LOCATION L0004834     VOLUME   443496.938 3772706.209 343.38
   LOCATION L0004835     VOLUME   443506.538 3772696.921 342.84
   LOCATION L0004836     VOLUME   443521.575 3772703.334 343.05
   LOCATION L0004837     VOLUME   443521.869 3772723.332 344.02
   LOCATION L0004838     VOLUME   443522.164 3772743.330 344.37
   LOCATION L0004839     VOLUME   443522.458 3772763.328 344.63
   LOCATION L0004840     VOLUME   443522.752 3772783.326 344.85
   LOCATION L0004841     VOLUME   443523.046 3772803.324 345.23
** End of LINE VOLUME Source ID = SLINE19
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE20
** DESCRSRC Building 2
** PREFIX
** Length of Side = 10.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 16
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** 443195.690, 3772719.955, 347.31, 3.66, 9.30
** 443196.179, 3772706.260, 347.57, 3.66, 9.30
** 443077.817, 3772707.238, 347.27, 3.66, 9.30
** 443079.284, 3772691.098, 347.16, 3.66, 9.30
** 443192.756, 3772695.011, 347.50, 3.66, 9.30
** 443193.734, 3772676.914, 347.43, 3.66, 9.30
** 443083.686, 3772681.805, 347.04, 3.66, 9.30
** 443082.219, 3772668.110, 346.84, 3.66, 9.30
** 443192.267, 3772666.154, 347.22, 3.66, 9.30
** 443191.778, 3772655.883, 347.13, 3.66, 9.30
** 443094.446, 3772658.817, 346.80, 3.66, 9.30
** 443094.446, 3772646.101, 346.74, 3.66, 9.30
** 443177.594, 3772649.035, 347.45, 3.66, 9.30
** 443176.615, 3772636.808, 347.44, 3.66, 9.30
** 443096.892, 3772636.808, 346.70, 3.66, 9.30
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   LOCATION L0004656     VOLUME   443102.326 3772721.112 347.41
   LOCATION L0004657     VOLUME   443122.324 3772720.865 347.50
   LOCATION L0004658     VOLUME   443142.323 3772720.617 347.48
   LOCATION L0004659     VOLUME   443162.321 3772720.369 347.41
   LOCATION L0004660     VOLUME   443182.320 3772720.121 347.37
   LOCATION L0004661     VOLUME   443195.927 3772713.331 347.41
   LOCATION L0004662     VOLUME   443183.255 3772706.367 347.47
   LOCATION L0004663     VOLUME   443163.256 3772706.532 347.48
   LOCATION L0004664     VOLUME   443143.256 3772706.698 347.64
   LOCATION L0004665     VOLUME   443123.257 3772706.863 347.55
   LOCATION L0004666     VOLUME   443103.258 3772707.028 347.33
   LOCATION L0004667     VOLUME   443083.258 3772707.193 347.24
   LOCATION L0004668     VOLUME   443079.135 3772692.740 347.15
   LOCATION L0004669     VOLUME   443097.625 3772691.731 347.14
   LOCATION L0004670     VOLUME   443117.613 3772692.420 347.42
   LOCATION L0004671     VOLUME   443137.601 3772693.109 347.76
   LOCATION L0004672     VOLUME   443157.589 3772693.798 347.56
   LOCATION L0004673     VOLUME   443177.578 3772694.487 347.50
   LOCATION L0004674     VOLUME   443193.016 3772690.205 347.50
   LOCATION L0004675     VOLUME   443187.051 3772677.211 347.56
   LOCATION L0004676     VOLUME   443167.071 3772678.099 347.52
   LOCATION L0004677     VOLUME   443147.090 3772678.987 347.66
   LOCATION L0004678     VOLUME   443127.110 3772679.875 347.62
   LOCATION L0004679     VOLUME   443107.130 3772680.763 347.25
   LOCATION L0004680     VOLUME   443087.150 3772681.651 347.04
   LOCATION L0004681     VOLUME   443084.979 3772668.061 346.91
   LOCATION L0004682     VOLUME   443104.975 3772667.706 347.28
   LOCATION L0004683     VOLUME   443124.972 3772667.350 347.55
   LOCATION L0004684     VOLUME   443144.969 3772666.995 347.66
   LOCATION L0004685     VOLUME   443164.966 3772666.639 347.54
   LOCATION L0004686     VOLUME   443184.963 3772666.284 347.51
   LOCATION L0004687     VOLUME   443189.366 3772655.956 347.27
   LOCATION L0004688     VOLUME   443169.375 3772656.558 347.55
   LOCATION L0004689     VOLUME   443149.385 3772657.161 347.63
   LOCATION L0004690     VOLUME   443129.394 3772657.764 347.59
   LOCATION L0004691     VOLUME   443109.403 3772658.366 347.53
   LOCATION L0004692     VOLUME   443094.446 3772653.780 346.74
   LOCATION L0004693     VOLUME   443106.759 3772646.535 347.16
   LOCATION L0004694     VOLUME   443126.747 3772647.241 347.52
   LOCATION L0004695     VOLUME   443146.734 3772647.946 347.61
   LOCATION L0004696     VOLUME   443166.722 3772648.652 347.57
   LOCATION L0004697     VOLUME   443176.866 3772639.943 347.47
   LOCATION L0004698     VOLUME   443159.761 3772636.808 347.55
   LOCATION L0004699     VOLUME   443139.761 3772636.808 347.47
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   LOCATION L0004701     VOLUME   443099.761 3772636.808 346.75
** End of LINE VOLUME Source ID = SLINE20
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE21
** DESCRSRC Building 3
** PREFIX
** Length of Side = 10.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 28
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** 442893.915, 3772789.896, 352.10, 3.66, 9.30
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** 442983.910, 3772780.114, 351.17, 3.66, 9.30
** 442897.339, 3772779.625, 351.45, 3.66, 9.30
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** 442979.508, 3772762.996, 350.82, 3.66, 9.30
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** 442901.741, 3772711.151, 350.42, 3.66, 9.30
** 442899.784, 3772690.120, 350.33, 3.66, 9.30
** 442979.997, 3772692.076, 348.78, 3.66, 9.30
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** 442897.828, 3772659.796, 349.71, 3.66, 9.30
** 442978.040, 3772661.752, 348.74, 3.66, 9.30
** 442976.084, 3772650.503, 348.62, 3.66, 9.30
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** 442898.806, 3772641.699, 349.46, 3.66, 9.30
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   LOCATION L0004585     VOLUME   442920.870 3772814.096 352.51
   LOCATION L0004586     VOLUME   442940.870 3772814.283 352.37
   LOCATION L0004587     VOLUME   442960.869 3772814.470 352.20
   LOCATION L0004588     VOLUME   442980.868 3772814.657 351.97
   LOCATION L0004589     VOLUME   443000.513 3772814.514 351.78
   LOCATION L0004590     VOLUME   442991.500 3772802.650 351.61
   LOCATION L0004591     VOLUME   442971.500 3772802.743 351.79
   LOCATION L0004592     VOLUME   442951.500 3772802.836 352.03
   LOCATION L0004593     VOLUME   442931.500 3772802.928 352.17
   LOCATION L0004594     VOLUME   442911.501 3772803.021 352.28
   LOCATION L0004595     VOLUME   442893.915 3772800.688 352.36
   LOCATION L0004596     VOLUME   442903.117 3772790.247 352.01
   LOCATION L0004597     VOLUME   442923.103 3772791.007 351.96
   LOCATION L0004598     VOLUME   442943.088 3772791.767 351.80
   LOCATION L0004599     VOLUME   442963.074 3772792.527 351.54
   LOCATION L0004600     VOLUME   442983.059 3772793.288 351.40
   LOCATION L0004601     VOLUME   442977.967 3772780.081 351.10
   LOCATION L0004602     VOLUME   442957.967 3772779.968 350.84
   LOCATION L0004603     VOLUME   442937.967 3772779.855 351.29
   LOCATION L0004604     VOLUME   442917.967 3772779.742 351.42
   LOCATION L0004605     VOLUME   442897.968 3772779.629 351.66
   LOCATION L0004606     VOLUME   442897.339 3772760.254 351.11
   LOCATION L0004607     VOLUME   442916.146 3772759.979 350.85
   LOCATION L0004608     VOLUME   442936.124 3772760.930 350.48
   LOCATION L0004609     VOLUME   442956.101 3772761.881 350.36
   LOCATION L0004610     VOLUME   442976.078 3772762.833 350.72
   LOCATION L0004611     VOLUME   442979.508 3772746.429 350.23
   LOCATION L0004612     VOLUME   442960.063 3772745.530 350.17
   LOCATION L0004613     VOLUME   442940.066 3772745.173 350.12
   LOCATION L0004614     VOLUME   442920.069 3772744.816 350.74
   LOCATION L0004615     VOLUME   442900.072 3772744.459 351.24
   LOCATION L0004616     VOLUME   442898.271 3772727.169 350.97
   LOCATION L0004617     VOLUME   442917.454 3772726.792 350.33
   LOCATION L0004618     VOLUME   442937.448 3772727.292 349.79
   LOCATION L0004619     VOLUME   442957.442 3772727.791 349.55
   LOCATION L0004620     VOLUME   442976.573 3772727.407 349.32
   LOCATION L0004621     VOLUME   442973.808 3772710.209 349.10
   LOCATION L0004622     VOLUME   442953.809 3772710.471 349.32
   LOCATION L0004623     VOLUME   442933.811 3772710.732 349.64
   LOCATION L0004624     VOLUME   442913.813 3772710.993 350.08
   LOCATION L0004625     VOLUME   442901.007 3772703.258 350.32
   LOCATION L0004626     VOLUME   442906.587 3772690.286 350.17
   LOCATION L0004627     VOLUME   442926.581 3772690.773 349.73
   LOCATION L0004628     VOLUME   442946.575 3772691.261 349.21
   LOCATION L0004629     VOLUME   442966.569 3772691.749 348.94
   LOCATION L0004630     VOLUME   442980.170 3772685.510 348.76
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   LOCATION L0004631     VOLUME   442972.515 3772673.773 348.84
   LOCATION L0004632     VOLUME   442952.527 3772674.483 349.02
   LOCATION L0004633     VOLUME   442932.540 3772675.193 349.42
   LOCATION L0004634     VOLUME   442912.553 3772675.902 349.94
   LOCATION L0004635     VOLUME   442897.828 3772671.159 350.12
   LOCATION L0004636     VOLUME   442906.462 3772660.006 349.78
   LOCATION L0004637     VOLUME   442926.456 3772660.494 349.45
   LOCATION L0004638     VOLUME   442946.450 3772660.982 349.01
   LOCATION L0004639     VOLUME   442966.444 3772661.469 348.83
   LOCATION L0004640     VOLUME   442976.601 3772653.476 348.65
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   LOCATION L0004644     VOLUME   442899.116 3772651.964 349.70
   LOCATION L0004645     VOLUME   442908.221 3772641.965 349.39
   LOCATION L0004646     VOLUME   442928.213 3772642.531 349.21
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   LOCATION L0004651     VOLUME   442986.636 3772634.107 348.31
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   LOCATION L0004654     VOLUME   442926.643 3772635.049 349.05
** End of LINE VOLUME Source ID = SLINE21
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE22
** DESCRSRC Paving
** PREFIX
** Length of Side = 10.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
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LOCATION L0004513     VOLUME   443519.325 3772652.472 342.67
LOCATION L0004514     VOLUME   443503.646 3772657.664 342.83
LOCATION L0004515     VOLUME   443483.646 3772657.748 342.94
LOCATION L0004516     VOLUME   443463.646 3772657.833 342.94
LOCATION L0004517     VOLUME   443443.646 3772657.918 343.04
LOCATION L0004518     VOLUME   443423.647 3772658.002 343.33
LOCATION L0004519     VOLUME   443403.647 3772658.087 344.55
LOCATION L0004520     VOLUME   443383.647 3772658.171 344.70
LOCATION L0004521     VOLUME   443363.647 3772658.256 344.75
LOCATION L0004522     VOLUME   443343.647 3772658.340 344.74
LOCATION L0004523     VOLUME   443323.647 3772658.425 344.63
LOCATION L0004524     VOLUME   443303.648 3772658.509 344.90
LOCATION L0004525     VOLUME   443283.648 3772658.594 345.23
LOCATION L0004526     VOLUME   443267.808 3772654.788 345.42
LOCATION L0004527     VOLUME   443282.201 3772648.746 345.18
LOCATION L0004528     VOLUME   443302.201 3772648.716 344.83
LOCATION L0004529     VOLUME   443322.201 3772648.687 344.51
LOCATION L0004530     VOLUME   443342.201 3772648.657 344.59
LOCATION L0004531     VOLUME   443362.201 3772648.628 344.55
LOCATION L0004532     VOLUME   443382.201 3772648.598 344.51
LOCATION L0004533     VOLUME   443402.201 3772648.568 344.40
LOCATION L0004534     VOLUME   443422.201 3772648.539 343.64
LOCATION L0004535     VOLUME   443442.201 3772648.509 343.47
LOCATION L0004536     VOLUME   443462.201 3772648.480 343.20
LOCATION L0004537     VOLUME   443482.201 3772648.450 343.05
LOCATION L0004538     VOLUME   443502.201 3772648.421 342.85
LOCATION L0004539     VOLUME   443501.604 3772638.929 342.98
LOCATION L0004540     VOLUME   443481.605 3772639.136 343.27
LOCATION L0004541     VOLUME   443461.606 3772639.343 343.41
LOCATION L0004542     VOLUME   443441.607 3772639.550 343.65
LOCATION L0004543     VOLUME   443421.609 3772639.757 343.80
LOCATION L0004544     VOLUME   443401.610 3772639.964 344.24
LOCATION L0004545     VOLUME   443381.611 3772640.171 344.34
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   LOCATION L0004546     VOLUME   443361.612 3772640.379 344.37
   LOCATION L0004547     VOLUME   443341.613 3772640.586 344.72
   LOCATION L0004548     VOLUME   443321.614 3772640.793 344.67
   LOCATION L0004549     VOLUME   443301.615 3772641.000 345.09
   LOCATION L0004550     VOLUME   443281.616 3772641.207 345.24
   LOCATION L0004551     VOLUME   443268.427 3772634.727 345.16
   LOCATION L0004552     VOLUME   443282.838 3772629.122 345.27
   LOCATION L0004553     VOLUME   443302.837 3772629.326 345.22
   LOCATION L0004554     VOLUME   443322.836 3772629.531 344.84
   LOCATION L0004555     VOLUME   443342.835 3772629.735 344.67
   LOCATION L0004556     VOLUME   443362.834 3772629.939 344.12
   LOCATION L0004557     VOLUME   443382.833 3772630.144 344.11
   LOCATION L0004558     VOLUME   443402.832 3772630.348 344.05
   LOCATION L0004559     VOLUME   443422.831 3772630.552 343.80
   LOCATION L0004560     VOLUME   443442.830 3772630.757 343.74
   LOCATION L0004561     VOLUME   443462.829 3772630.961 343.50
   LOCATION L0004562     VOLUME   443482.828 3772631.165 343.36
   LOCATION L0004563     VOLUME   443502.826 3772631.370 343.06
   LOCATION L0004564     VOLUME   443522.825 3772631.574 342.65
   LOCATION L0004565     VOLUME   443542.824 3772631.778 342.48
   LOCATION L0004566     VOLUME   443562.823 3772631.982 342.43
   LOCATION L0004567     VOLUME   443579.930 3772629.265 342.43
   LOCATION L0004568     VOLUME   443569.762 3772619.570 342.37
   LOCATION L0004569     VOLUME   443549.763 3772619.835 342.38
   LOCATION L0004570     VOLUME   443529.765 3772620.101 342.56
   LOCATION L0004571     VOLUME   443509.767 3772620.366 342.93
   LOCATION L0004572     VOLUME   443489.769 3772620.632 343.30
   LOCATION L0004573     VOLUME   443469.770 3772620.897 343.48
   LOCATION L0004574     VOLUME   443449.772 3772621.163 343.74
   LOCATION L0004575     VOLUME   443429.774 3772621.428 343.79
   LOCATION L0004576     VOLUME   443409.776 3772621.694 343.87
   LOCATION L0004577     VOLUME   443389.777 3772621.959 343.93
   LOCATION L0004578     VOLUME   443369.779 3772622.225 343.90
   LOCATION L0004579     VOLUME   443349.781 3772622.490 344.10
   LOCATION L0004580     VOLUME   443329.783 3772622.756 344.54
   LOCATION L0004581     VOLUME   443309.784 3772623.021 344.90
   LOCATION L0004582     VOLUME   443289.786 3772623.287 345.17
   LOCATION L0004583     VOLUME   443269.788 3772623.552 344.93
** End of LINE VOLUME Source ID = SLINE22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE23
** DESCRSRC Construction Haul North
** PREFIX
** Length of Side = 12.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 4
** 443259.310, 3772939.082, 350.76, 3.66, 11.16
** 443621.340, 3772935.047, 346.55, 3.66, 11.16
** 443636.329, 3772948.306, 346.81, 3.66, 11.16
** 443636.893, 3773341.272, 356.04, 3.66, 11.16
** ----------------------------------------------------------------------
   LOCATION L0005222     VOLUME   443265.310 3772939.015 350.71
   LOCATION L0005223     VOLUME   443289.308 3772938.748 350.35
   LOCATION L0005224     VOLUME   443313.307 3772938.480 349.96
   LOCATION L0005225     VOLUME   443337.305 3772938.213 349.62
   LOCATION L0005226     VOLUME   443361.304 3772937.945 349.31
   LOCATION L0005227     VOLUME   443385.302 3772937.678 349.00
   LOCATION L0005228     VOLUME   443409.301 3772937.410 348.69
   LOCATION L0005229     VOLUME   443433.299 3772937.143 348.45
   LOCATION L0005230     VOLUME   443457.298 3772936.875 348.28
   LOCATION L0005231     VOLUME   443481.296 3772936.608 348.39
   LOCATION L0005232     VOLUME   443505.295 3772936.340 348.33
   LOCATION L0005233     VOLUME   443529.293 3772936.073 347.80
   LOCATION L0005234     VOLUME   443553.292 3772935.805 348.21
   LOCATION L0005235     VOLUME   443577.290 3772935.538 347.71
   LOCATION L0005236     VOLUME   443601.289 3772935.270 347.16
   LOCATION L0005237     VOLUME   443624.297 3772937.662 346.63
   LOCATION L0005238     VOLUME   443636.340 3772956.242 347.12
   LOCATION L0005239     VOLUME   443636.375 3772980.242 347.68
   LOCATION L0005240     VOLUME   443636.409 3773004.242 348.28
   LOCATION L0005241     VOLUME   443636.444 3773028.242 348.88
   LOCATION L0005242     VOLUME   443636.478 3773052.242 349.46
   LOCATION L0005243     VOLUME   443636.512 3773076.242 350.01
   LOCATION L0005244     VOLUME   443636.547 3773100.242 350.61
   LOCATION L0005245     VOLUME   443636.581 3773124.241 351.21
   LOCATION L0005246     VOLUME   443636.616 3773148.241 351.82
   LOCATION L0005247     VOLUME   443636.650 3773172.241 352.44
   LOCATION L0005248     VOLUME   443636.685 3773196.241 353.02
   LOCATION L0005249     VOLUME   443636.719 3773220.241 353.57
   LOCATION L0005250     VOLUME   443636.754 3773244.241 354.12
   LOCATION L0005251     VOLUME   443636.788 3773268.241 354.65
   LOCATION L0005252     VOLUME   443636.823 3773292.241 355.19
   LOCATION L0005253     VOLUME   443636.857 3773316.241 355.70
   LOCATION L0005254     VOLUME   443636.892 3773340.241 356.00
** End of LINE VOLUME Source ID = SLINE23
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE24
** DESCRSRC Construction Haul South
** PREFIX
** Length of Side = 12.00
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 4
** 443620.615, 3772728.134, 344.08, 3.66, 11.16
** 443625.363, 3772703.717, 343.63, 3.66, 11.16
** 443620.615, 3772463.617, 338.71, 3.66, 11.16
** 443614.638, 3772151.165, 333.46, 3.66, 11.16
** ----------------------------------------------------------------------
   LOCATION L0004230     VOLUME   443621.760 3772722.245 344.01
   LOCATION L0004231     VOLUME   443625.262 3772698.593 343.59
   LOCATION L0004232     VOLUME   443624.787 3772674.597 342.94
   LOCATION L0004233     VOLUME   443624.313 3772650.602 342.39
   LOCATION L0004234     VOLUME   443623.838 3772626.607 342.11
   LOCATION L0004235     VOLUME   443623.364 3772602.611 342.02
   LOCATION L0004236     VOLUME   443622.889 3772578.616 341.66
   LOCATION L0004237     VOLUME   443622.415 3772554.621 340.44
   LOCATION L0004238     VOLUME   443621.940 3772530.626 339.69
   LOCATION L0004239     VOLUME   443621.466 3772506.630 339.34
   LOCATION L0004240     VOLUME   443620.991 3772482.635 339.05
   LOCATION L0004241     VOLUME   443620.520 3772458.640 338.67
   LOCATION L0004242     VOLUME   443620.061 3772434.644 338.30
   LOCATION L0004243     VOLUME   443619.602 3772410.648 337.93
   LOCATION L0004244     VOLUME   443619.143 3772386.653 337.53
   LOCATION L0004245     VOLUME   443618.684 3772362.657 337.12
   LOCATION L0004246     VOLUME   443618.225 3772338.661 336.68
   LOCATION L0004247     VOLUME   443617.766 3772314.666 336.31
   LOCATION L0004248     VOLUME   443617.307 3772290.670 335.89
   LOCATION L0004249     VOLUME   443616.848 3772266.675 335.46
   LOCATION L0004250     VOLUME   443616.389 3772242.679 335.05
   LOCATION L0004251     VOLUME   443615.930 3772218.683 334.65
   LOCATION L0004252     VOLUME   443615.471 3772194.688 334.21
   LOCATION L0004253     VOLUME   443615.012 3772170.692 333.77
** End of LINE VOLUME Source ID = SLINE24
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001          0.2      3.66     13.95      3.40
   SRCPARAM L0000002          0.2      3.66     13.95      3.40
   SRCPARAM L0000003          0.2      3.66     13.95      3.40
   SRCPARAM L0000004          0.2      3.66     13.95      3.40
   SRCPARAM L0000005          0.2      3.66     13.95      3.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000016     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000017     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000018     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000019     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000020     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000021     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000022     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000023     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000024     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000025     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000026     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000027     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000028     0.0714285714      3.66      6.51      3.40
   SRCPARAM L0000029     0.0714285714      3.66      6.51      3.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000058     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000059     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000060     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000061     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000062     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000063     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000064     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000065     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000066     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000067     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000068     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000069     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000070     0.0714285714      3.66     13.95      3.40
   SRCPARAM L0000071     0.0714285714      3.66     13.95      3.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000099     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000100     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000101     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000102     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000103     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000104     0.1428571429      3.66     13.95      3.40
   SRCPARAM L0000105     0.1428571429      3.66     13.95      3.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
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   SRCPARAM L0000106        0.0625      3.66      6.51      3.40
   SRCPARAM L0000107        0.0625      3.66      6.51      3.40
   SRCPARAM L0000108        0.0625      3.66      6.51      3.40
   SRCPARAM L0000109        0.0625      3.66      6.51      3.40
   SRCPARAM L0000110        0.0625      3.66      6.51      3.40
   SRCPARAM L0000111        0.0625      3.66      6.51      3.40
   SRCPARAM L0000112        0.0625      3.66      6.51      3.40
   SRCPARAM L0000113        0.0625      3.66      6.51      3.40
   SRCPARAM L0000114        0.0625      3.66      6.51      3.40
   SRCPARAM L0000115        0.0625      3.66      6.51      3.40
   SRCPARAM L0000116        0.0625      3.66      6.51      3.40
   SRCPARAM L0000117        0.0625      3.66      6.51      3.40
   SRCPARAM L0000118        0.0625      3.66      6.51      3.40
   SRCPARAM L0000119        0.0625      3.66      6.51      3.40
   SRCPARAM L0000120        0.0625      3.66      6.51      3.40
   SRCPARAM L0000121        0.0625      3.66      6.51      3.40
** --------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0000122          0.05      3.66     13.95      3.40
   SRCPARAM L0000123          0.05      3.66     13.95      3.40
   SRCPARAM L0000124          0.05      3.66     13.95      3.40
   SRCPARAM L0000125          0.05      3.66     13.95      3.40
   SRCPARAM L0000126          0.05      3.66     13.95      3.40
   SRCPARAM L0000127          0.05      3.66     13.95      3.40
   SRCPARAM L0000128          0.05      3.66     13.95      3.40
   SRCPARAM L0000129          0.05      3.66     13.95      3.40
   SRCPARAM L0000130          0.05      3.66     13.95      3.40
   SRCPARAM L0000131          0.05      3.66     13.95      3.40
   SRCPARAM L0000132          0.05      3.66     13.95      3.40
   SRCPARAM L0000133          0.05      3.66     13.95      3.40
   SRCPARAM L0000134          0.05      3.66     13.95      3.40
   SRCPARAM L0000135          0.05      3.66     13.95      3.40
   SRCPARAM L0000136          0.05      3.66     13.95      3.40
   SRCPARAM L0000137          0.05      3.66     13.95      3.40
   SRCPARAM L0000138          0.05      3.66     13.95      3.40
   SRCPARAM L0000139          0.05      3.66     13.95      3.40
   SRCPARAM L0000140          0.05      3.66     13.95      3.40
   SRCPARAM L0000141          0.05      3.66     13.95      3.40
** --------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000181     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000182     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000183     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000184     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000185     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000186     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000187     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000188     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000189     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000190     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000191     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000192     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000193     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000194     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000195     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000196     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000197     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000198     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000199     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000200     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000201     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000202     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000203     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000204     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000205     0.0384615385      3.66      6.98      3.40
   SRCPARAM L0000206     0.0384615385      3.66      6.98      3.40
** --------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0000207     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000208     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000209     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000210     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000211     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000212     0.1428571429      3.66      6.51      3.40
   SRCPARAM L0000213     0.1428571429      3.66      6.51      3.40
** --------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0000214          0.05      3.66     13.95      3.40
   SRCPARAM L0000215          0.05      3.66     13.95      3.40
   SRCPARAM L0000216          0.05      3.66     13.95      3.40
   SRCPARAM L0000217          0.05      3.66     13.95      3.40
   SRCPARAM L0000218          0.05      3.66     13.95      3.40
   SRCPARAM L0000219          0.05      3.66     13.95      3.40
   SRCPARAM L0000220          0.05      3.66     13.95      3.40
   SRCPARAM L0000221          0.05      3.66     13.95      3.40
   SRCPARAM L0000222          0.05      3.66     13.95      3.40
   SRCPARAM L0000223          0.05      3.66     13.95      3.40
   SRCPARAM L0000224          0.05      3.66     13.95      3.40
   SRCPARAM L0000225          0.05      3.66     13.95      3.40
   SRCPARAM L0000226          0.05      3.66     13.95      3.40
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   SRCPARAM L0000227          0.05      3.66     13.95      3.40
   SRCPARAM L0000228          0.05      3.66     13.95      3.40
   SRCPARAM L0000229          0.05      3.66     13.95      3.40
   SRCPARAM L0000230          0.05      3.66     13.95      3.40
   SRCPARAM L0000231          0.05      3.66     13.95      3.40
   SRCPARAM L0000232          0.05      3.66     13.95      3.40
   SRCPARAM L0000233          0.05      3.66     13.95      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0000274     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000275     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000276     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000277     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000278     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000279     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000280     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000281     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000282     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000283     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000284     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000285     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000286     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000287     0.0666666667      3.66     13.95      3.40
   SRCPARAM L0000288     0.0666666667      3.66     13.95      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0000289           0.2      3.66     13.95      3.40
   SRCPARAM L0000290           0.2      3.66     13.95      3.40
   SRCPARAM L0000291           0.2      3.66     13.95      3.40
   SRCPARAM L0000292           0.2      3.66     13.95      3.40
   SRCPARAM L0000293           0.2      3.66     13.95      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0000303     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000304     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000305     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000306     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000307     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000308     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000309     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000310     0.1111111111      3.66      6.51      3.40
   SRCPARAM L0000311     0.1111111111      3.66      6.51      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0000312     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000313     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000314     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000315     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000316     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000317     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000318     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000319     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000320     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000321     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000322     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000323     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000324     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000325     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000326     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000327     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000328     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000329     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000330     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000331     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000332     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000333     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000334     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000335     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000336     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000337     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000338     0.0357142857      3.66     13.95      3.40
   SRCPARAM L0000339     0.0357142857      3.66     13.95      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0000340     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000341     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000342     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000343     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000344     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000345     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000346     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000347     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000348     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000349     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000350     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000351     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000352     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000353     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000354     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000355     0.0434782609      3.66     13.95      3.40
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   SRCPARAM L0000356     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000357     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000358     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000359     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000360     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000361     0.0434782609      3.66     13.95      3.40
   SRCPARAM L0000362     0.0434782609      3.66     13.95      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0000363     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000364     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000365     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000366     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000367     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000368     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000369     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000370     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000371     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000372     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000373     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000374     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000375     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000376     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000377     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000378     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000379     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000380     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000381     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000382     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000383     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000384     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000385     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000386     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000387     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000388     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000389     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000390     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000391     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000392     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000393     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000394     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0000395     0.0303030303      3.66     11.16      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE16
   SRCPARAM L0000396          0.04      3.66     11.16      3.40
   SRCPARAM L0000397          0.04      3.66     11.16      3.40
   SRCPARAM L0000398          0.04      3.66     11.16      3.40
   SRCPARAM L0000399          0.04      3.66     11.16      3.40
   SRCPARAM L0000400          0.04      3.66     11.16      3.40
   SRCPARAM L0000401          0.04      3.66     11.16      3.40
   SRCPARAM L0000402          0.04      3.66     11.16      3.40
   SRCPARAM L0000403          0.04      3.66     11.16      3.40
   SRCPARAM L0000404          0.04      3.66     11.16      3.40
   SRCPARAM L0000405          0.04      3.66     11.16      3.40
   SRCPARAM L0000406          0.04      3.66     11.16      3.40
   SRCPARAM L0000407          0.04      3.66     11.16      3.40
   SRCPARAM L0000408          0.04      3.66     11.16      3.40
   SRCPARAM L0000409          0.04      3.66     11.16      3.40
   SRCPARAM L0000410          0.04      3.66     11.16      3.40
   SRCPARAM L0000411          0.04      3.66     11.16      3.40
   SRCPARAM L0000412          0.04      3.66     11.16      3.40
   SRCPARAM L0000413          0.04      3.66     11.16      3.40
   SRCPARAM L0000414          0.04      3.66     11.16      3.40
   SRCPARAM L0000415          0.04      3.66     11.16      3.40
   SRCPARAM L0000416          0.04      3.66     11.16      3.40
   SRCPARAM L0000417          0.04      3.66     11.16      3.40
   SRCPARAM L0000418          0.04      3.66     11.16      3.40
   SRCPARAM L0000419          0.04      3.66     11.16      3.40
   SRCPARAM L0000420          0.04      3.66     11.16      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE17
   SRCPARAM L0000471     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000472     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000473     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000474     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000475     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000476     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000477     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000478     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000479     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000480     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000481     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000482     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000483     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000484     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000485     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000486     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000487     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000488     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000489     0.037037037      3.66     11.16      3.40
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   SRCPARAM L0000490     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000491     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000492     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000493     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000494     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000495     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000496     0.037037037      3.66     11.16      3.40
   SRCPARAM L0000497     0.037037037      3.66     11.16      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE18
   SRCPARAM L0004842     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004843     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004844     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004845     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004846     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004847     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004848     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004849     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004850     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004851     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004852     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004853     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004854     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004855     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004856     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004857     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004858     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004859     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004860     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004861     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004862     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004863     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004864     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004865     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004866     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004867     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004868     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004869     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004870     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004871     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004872     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004873     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004874     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004875     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004876     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004877     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004878     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004880     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004881     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004900     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004902     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004903     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004904     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004905     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004906     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004911     0.0026315789      3.66      9.30      3.40
   SRCPARAM L0004912     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004914     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004921     0.0026315789      3.66      9.30      3.40
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   SRCPARAM L0004731     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004732     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004733     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004734     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004735     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004736     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004737     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004738     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004739     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004740     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004741     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004742     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004743     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004744     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004745     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004746     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004747     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004748     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004749     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004750     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004751     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004752     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004753     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004754     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004755     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004756     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004757     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004758     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004759     0.0071428571      3.66      9.30      3.40
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   SRCPARAM L0004760     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004761     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004762     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004763     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004764     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004765     0.0071428571      3.66      9.30      3.40
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   SRCPARAM L0004767     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004768     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004769     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004770     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004771     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004772     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004773     0.0071428571      3.66      9.30      3.40
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   SRCPARAM L0004775     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004776     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004777     0.0071428571      3.66      9.30      3.40
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   SRCPARAM L0004780     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004781     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004782     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004783     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004784     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004785     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004786     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004787     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004788     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004789     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004790     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004791     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004792     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004793     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004794     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004795     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004796     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004797     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004798     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004799     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004800     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004801     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004802     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004803     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004804     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004805     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004806     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004807     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004808     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004809     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004810     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004811     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004812     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004813     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004814     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004815     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004816     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004817     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004818     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004819     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004820     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004821     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004822     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004823     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004824     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004825     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004826     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004827     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004828     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004829     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004830     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004831     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004832     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004833     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004834     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004835     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004836     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004837     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004838     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004839     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004840     0.0071428571      3.66      9.30      3.40
   SRCPARAM L0004841     0.0071428571      3.66      9.30      3.40
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** LINE VOLUME Source ID = SLINE20
   SRCPARAM L0004655     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004656     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004657     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004658     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004659     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004660     0.0212765957      3.66      9.30      3.40
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   SRCPARAM L0004661     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004662     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004663     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004664     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004665     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004666     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004667     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004668     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004669     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004670     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004671     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004672     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004673     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004674     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004675     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004676     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004677     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004678     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004679     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004680     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004681     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004682     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004683     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004684     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004685     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004686     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004687     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004688     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004689     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004690     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004691     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004692     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004693     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004694     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004695     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004696     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004697     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004698     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004699     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004700     0.0212765957      3.66      9.30      3.40
   SRCPARAM L0004701     0.0212765957      3.66      9.30      3.40
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** LINE VOLUME Source ID = SLINE21
   SRCPARAM L0004584     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004585     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004586     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004587     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004588     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004589     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004590     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004591     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004592     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004593     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004594     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004595     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004596     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004597     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004598     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004599     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004600     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004601     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004602     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004603     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004604     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004605     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004606     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004607     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004608     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004609     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004610     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004611     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004612     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004613     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004614     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004615     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004616     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004617     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004618     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004619     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004620     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004621     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004622     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004623     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004624     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004625     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004626     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004627     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004628     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004629     0.014084507       3.66      9.30      3.40
   SRCPARAM L0004630     0.014084507       3.66      9.30      3.40
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   SRCPARAM L0004631     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004632     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004633     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004634     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004635     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004636     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004637     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004638     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004639     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004640     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004641     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004642     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004643     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004644     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004645     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004646     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004647     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004648     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004649     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004650     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004651     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004652     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004653     0.014084507      3.66      9.30      3.40
   SRCPARAM L0004654     0.014084507      3.66      9.30      3.40
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** LINE VOLUME Source ID = SLINE22
   SRCPARAM L0004287     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004288     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004289     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004290     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004291     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004292     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004293     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004294     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004295     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004296     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004297     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004298     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004299     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004300     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004301     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004302     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004303     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004304     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004305     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004306     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004307     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004308     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004309     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004310     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004311     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004312     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004313     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004314     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004315     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004316     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004317     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004318     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004319     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004320     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004321     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004322     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004323     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004324     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004325     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004326     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004327     0.0033670034      3.66      9.30      3.40
   SRCPARAM L0004328     0.0033670034      3.66      9.30      3.40
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   SRCPARAM L0004330     0.0033670034      3.66      9.30      3.40
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SRCPARAM L0004524     0.0033670034      3.66      9.30      3.40
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** LINE VOLUME Source ID = SLINE23
   SRCPARAM L0005222     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005223     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005224     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005225     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005226     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005227     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005228     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005229     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005230     0.0303030303      3.66     11.16      3.40
   SRCPARAM L0005231     0.0303030303      3.66     11.16      3.40
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   SRCPARAM L0005252     0.0303030303      3.66     11.16      3.40
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   SRCPARAM L0005254     0.0303030303      3.66     11.16      3.40
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** LINE VOLUME Source ID = SLINE24
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   SRCPARAM L0004230     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004231     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004232     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004233     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004234     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004235     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004236     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004237     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004238     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004239     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004240     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004241     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004242     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004243     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004244     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004245     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004246     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004247     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004248     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004249     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004250     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004251     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004252     0.0416666667      3.66     11.16      3.40
   SRCPARAM L0004253     0.0416666667      3.66     11.16      3.40
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0004702     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004702     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004702     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004702     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004703     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004703     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004703     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004704     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004704     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004704     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004705     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004705     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004705     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004705     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004706     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004706     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004706     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004706     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004707     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004707     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004707     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004708     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004708     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004708     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004709     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004709     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004709     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004710     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004710     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004710     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004710     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004711     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004711     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004711     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004711     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004712     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004712     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004712     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004712     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004713     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004713     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004713     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004713     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004714     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004714     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004714     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004714     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004715     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004715     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004715     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004715     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004716     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004716     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004716     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004716     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004717     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004717     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004717     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004717     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004718     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004718     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004718     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004718     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004719     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004719     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004719     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0004720     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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EMISFACT L0004720     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004721     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004721     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004721     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004722     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004722     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004722     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0004723     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004723     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0004725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004725     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004725     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004726     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004726     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004727     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004727     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004727     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004728     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004729     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0004730     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004755     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004755     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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EMISFACT L0004758     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004758     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0004758     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0004758     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004759     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004759     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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EMISFACT L0004636     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0005218     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0004579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0004580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0005222     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0005222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0005223     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0005224     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005225     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005229     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0005232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005237     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0005238     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0005240     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0005243     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0005222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0005246     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0005247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0005222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005239     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0005254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0004230     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004230     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004231     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004231     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004233     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004234     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0004234     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004238     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004238     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004239     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004239     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004246     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004253     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT L0004253     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT L0004253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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  EMISFACT L0004230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004234     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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  EMISFACT L0004236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004236     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0004237     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
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   EMISFACT L0004231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0004235     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   SRCGROUP SLINE9   L0000226 L0000227 L0000228 L0000229 L0000230 L0000231
   SRCGROUP SLINE9   L0000232 L0000233
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "9th and Vineyard HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE UPLA_V9_ADJU\UPLA_v9.SFC
   PROFFILE UPLA_V9_ADJU\UPLA_v9.PFL
   SURFDATA 3102 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 379.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "9th and Vineyard HRA.AD\PE00GALL.PLT" 31
   PLOTFILE PERIOD SLINE1 "9th and Vineyard HRA.AD\PE00G001.PLT" 32
   PLOTFILE PERIOD SLINE10 "9th and Vineyard HRA.AD\PE00G002.PLT" 33
   PLOTFILE PERIOD SLINE11 "9th and Vineyard HRA.AD\PE00G003.PLT" 34
   PLOTFILE PERIOD SLINE12 "9th and Vineyard HRA.AD\PE00G004.PLT" 35
   PLOTFILE PERIOD SLINE13 "9th and Vineyard HRA.AD\PE00G005.PLT" 36
   PLOTFILE PERIOD SLINE14 "9th and Vineyard HRA.AD\PE00G006.PLT" 37
   PLOTFILE PERIOD SLINE15 "9th and Vineyard HRA.AD\PE00G007.PLT" 38
   PLOTFILE PERIOD SLINE16 "9th and Vineyard HRA.AD\PE00G008.PLT" 39
   PLOTFILE PERIOD SLINE17 "9th and Vineyard HRA.AD\PE00G009.PLT" 40
   PLOTFILE PERIOD SLINE18 "9th and Vineyard HRA.AD\PE00G010.PLT" 41
   PLOTFILE PERIOD SLINE19 "9th and Vineyard HRA.AD\PE00G011.PLT" 42
   PLOTFILE PERIOD SLINE2 "9th and Vineyard HRA.AD\PE00G012.PLT" 43
   PLOTFILE PERIOD SLINE20 "9th and Vineyard HRA.AD\PE00G013.PLT" 44
   PLOTFILE PERIOD SLINE21 "9th and Vineyard HRA.AD\PE00G014.PLT" 45
   PLOTFILE PERIOD SLINE22 "9th and Vineyard HRA.AD\PE00G015.PLT" 46
   PLOTFILE PERIOD SLINE23 "9th and Vineyard HRA.AD\PE00G016.PLT" 47
   PLOTFILE PERIOD SLINE24 "9th and Vineyard HRA.AD\PE00G017.PLT" 48
   PLOTFILE PERIOD SLINE3 "9th and Vineyard HRA.AD\PE00G018.PLT" 49
   PLOTFILE PERIOD SLINE4 "9th and Vineyard HRA.AD\PE00G019.PLT" 50
   PLOTFILE PERIOD SLINE5 "9th and Vineyard HRA.AD\PE00G020.PLT" 51
   PLOTFILE PERIOD SLINE6 "9th and Vineyard HRA.AD\PE00G021.PLT" 52
   PLOTFILE PERIOD SLINE7 "9th and Vineyard HRA.AD\PE00G022.PLT" 53
   PLOTFILE PERIOD SLINE8 "9th and Vineyard HRA.AD\PE00G023.PLT" 54
   PLOTFILE PERIOD SLINE9 "9th and Vineyard HRA.AD\PE00G024.PLT" 55
   SUMMFILE "9th and Vineyard HRA.sum"
OU FINISHED
```

```
 *** Message Summary For AERMOD Model Setup ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186   15445       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187   15445       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1286 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: PM_10

**Model Calculates PERIOD Averages Only

**This Run Includes: 1286 Source(s); 25 Source Group(s); and 575 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1286 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 379.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 5.4 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: 9th and Vineyard HRA.err
**File for Summary of Results: 9th and Vineyard HRA.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.20000E+00	443300.6	3772904.9	349.8	3.66	13.95	3.40	YES	
L0000002	0	0.20000E+00	443330.6	3772904.9	349.3	3.66	13.95	3.40	YES	
L0000003	0	0.20000E+00	443360.6	3772904.9	348.6	3.66	13.95	3.40	YES	
L0000004	0	0.20000E+00	443390.6	3772904.9	348.1	3.66	13.95	3.40	YES	
L0000005	0	0.20000E+00	443420.6	3772904.9	347.8	3.66	13.95	3.40	YES	
L0000016	0	0.71429E-01	443298.9	3772857.2	348.8	3.66	6.51	3.40	YES	
L0000017	0	0.71429E-01	443312.9	3772857.2	348.6	3.66	6.51	3.40	YES	
L0000018	0	0.71429E-01	443326.9	3772857.2	348.5	3.66	6.51	3.40	YES	
L0000019	0	0.71429E-01	443340.9	3772857.2	348.3	3.66	6.51	3.40	YES	
L0000020	0	0.71429E-01	443354.9	3772857.2	348.0	3.66	6.51	3.40	YES	
L0000021	0	0.71429E-01	443368.9	3772857.2	347.7	3.66	6.51	3.40	YES	
L0000022	0	0.71429E-01	443382.9	3772857.2	347.4	3.66	6.51	3.40	YES	
L0000023	0	0.71429E-01	443396.9	3772857.2	347.2	3.66	6.51	3.40	YES	
L0000024	0	0.71429E-01	443410.9	3772857.2	347.0	3.66	6.51	3.40	YES	
L0000025	0	0.71429E-01	443424.9	3772857.2	346.9	3.66	6.51	3.40	YES	
L0000026	0	0.71429E-01	443438.9	3772857.2	346.9	3.66	6.51	3.40	YES	
L0000027	0	0.71429E-01	443452.9	3772857.2	346.8	3.66	6.51	3.40	YES	
L0000028	0	0.71429E-01	443466.9	3772857.2	346.8	3.66	6.51	3.40	YES	
L0000029	0	0.71429E-01	443480.9	3772857.2	346.7	3.66	6.51	3.40	YES	
L0000058	0	0.71429E-01	443304.6	3772872.0	349.0	3.66	13.95	3.40	YES	
L0000059	0	0.71429E-01	443334.6	3772871.7	348.6	3.66	13.95	3.40	YES	
L0000060	0	0.71429E-01	443364.6	3772871.4	348.0	3.66	13.95	3.40	YES	
L0000061	0	0.71429E-01	443394.6	3772871.0	347.4	3.66	13.95	3.40	YES	
L0000062	0	0.71429E-01	443424.6	3772870.7	347.2	3.66	13.95	3.40	YES	
L0000063	0	0.71429E-01	443454.6	3772870.3	347.0	3.66	13.95	3.40	YES	
L0000064	0	0.71429E-01	443484.6	3772870.0	346.6	3.66	13.95	3.40	YES	
L0000065	0	0.71429E-01	443511.4	3772863.2	346.3	3.66	13.95	3.40	YES	
L0000066	0	0.71429E-01	443529.8	3772839.5	345.7	3.66	13.95	3.40	YES	
L0000067	0	0.71429E-01	443548.2	3772815.9	345.1	3.66	13.95	3.40	YES	
L0000068	0	0.71429E-01	443566.6	3772792.2	344.5	3.66	13.95	3.40	YES	
L0000069	0	0.71429E-01	443577.0	3772765.6	343.9	3.66	13.95	3.40	YES	
L0000070	0	0.71429E-01	443578.2	3772735.6	343.4	3.66	13.95	3.40	YES	
L0000071	0	0.71429E-01	443600.6	3772727.5	343.1	3.66	13.95	3.40	YES	
L0000099	0	0.14286E+00	443303.2	3772621.8	345.0	3.66	13.95	3.40	YES	
L0000100	0	0.14286E+00	443333.2	3772621.8	344.5	3.66	13.95	3.40	YES	
L0000101	0	0.14286E+00	443363.2	3772621.8	343.9	3.66	13.95	3.40	YES	
L0000102	0	0.14286E+00	443393.2	3772621.8	343.9	3.66	13.95	3.40	YES	
L0000103	0	0.14286E+00	443423.2	3772621.8	343.8	3.66	13.95	3.40	YES	
L0000104	0	0.14286E+00	443453.2	3772621.8	343.7	3.66	13.95	3.40	YES	
L0000105	0	0.14286E+00	443483.2	3772621.8	343.4	3.66	13.95	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000106	0	0.62500E-01	443303.8	3772655.1	344.9	3.66	6.51	3.40	YES	
L0000107	0	0.62500E-01	443317.8	3772655.0	344.7	3.66	6.51	3.40	YES	
L0000108	0	0.62500E-01	443331.8	3772655.0	344.5	3.66	6.51	3.40	YES	
L0000109	0	0.62500E-01	443345.8	3772655.0	344.7	3.66	6.51	3.40	YES	
L0000110	0	0.62500E-01	443359.8	3772654.9	344.7	3.66	6.51	3.40	YES	
L0000111	0	0.62500E-01	443373.8	3772654.9	344.6	3.66	6.51	3.40	YES	
L0000112	0	0.62500E-01	443387.8	3772654.9	344.6	3.66	6.51	3.40	YES	
L0000113	0	0.62500E-01	443401.8	3772654.8	344.5	3.66	6.51	3.40	YES	
L0000114	0	0.62500E-01	443415.8	3772654.8	344.0	3.66	6.51	3.40	YES	
L0000115	0	0.62500E-01	443429.8	3772654.8	343.2	3.66	6.51	3.40	YES	
L0000116	0	0.62500E-01	443443.8	3772654.7	343.2	3.66	6.51	3.40	YES	
L0000117	0	0.62500E-01	443457.8	3772654.7	343.1	3.66	6.51	3.40	YES	
L0000118	0	0.62500E-01	443471.8	3772654.6	343.0	3.66	6.51	3.40	YES	
L0000119	0	0.62500E-01	443485.8	3772654.6	343.0	3.66	6.51	3.40	YES	
L0000120	0	0.62500E-01	443499.8	3772654.6	342.9	3.66	6.51	3.40	YES	
L0000121	0	0.62500E-01	443513.8	3772654.5	342.7	3.66	6.51	3.40	YES	
L0000122	0	0.50000E-01	443512.9	3772637.3	342.8	3.66	13.95	3.40	YES	
L0000123	0	0.50000E-01	443482.9	3772637.5	343.3	3.66	13.95	3.40	YES	
L0000124	0	0.50000E-01	443452.9	3772637.7	343.6	3.66	13.95	3.40	YES	
L0000125	0	0.50000E-01	443422.9	3772637.9	343.8	3.66	13.95	3.40	YES	
L0000126	0	0.50000E-01	443392.9	3772638.0	344.2	3.66	13.95	3.40	YES	
L0000127	0	0.50000E-01	443362.9	3772638.2	344.3	3.66	13.95	3.40	YES	
L0000128	0	0.50000E-01	443332.9	3772638.4	344.8	3.66	13.95	3.40	YES	
L0000129	0	0.50000E-01	443302.9	3772638.6	345.1	3.66	13.95	3.40	YES	
L0000130	0	0.50000E-01	443272.9	3772638.8	345.2	3.66	13.95	3.40	YES	
L0000131	0	0.50000E-01	443242.9	3772638.9	345.5	3.66	13.95	3.40	YES	
L0000132	0	0.50000E-01	443233.2	3772659.2	346.2	3.66	13.95	3.40	YES	
L0000133	0	0.50000E-01	443233.3	3772689.2	346.8	3.66	13.95	3.40	YES	
L0000134	0	0.50000E-01	443233.5	3772719.2	347.0	3.66	13.95	3.40	YES	
L0000135	0	0.50000E-01	443233.6	3772749.2	347.6	3.66	13.95	3.40	YES	
L0000136	0	0.50000E-01	443233.8	3772779.2	347.9	3.66	13.95	3.40	YES	
L0000137	0	0.50000E-01	443233.9	3772809.2	348.5	3.66	13.95	3.40	YES	
L0000138	0	0.50000E-01	443234.1	3772839.2	349.2	3.66	13.95	3.40	YES	
L0000139	0	0.50000E-01	443234.2	3772869.2	349.9	3.66	13.95	3.40	YES	
L0000140	0	0.50000E-01	443245.6	3772896.1	350.3	3.66	13.95	3.40	YES	
L0000141	0	0.50000E-01	443256.4	3772923.3	350.7	3.66	13.95	3.40	YES	
L0000181	0	0.38462E-01	443313.0	3772636.1	344.9	3.66	6.98	3.40	YES	
L0000182	0	0.38462E-01	443328.0	3772636.1	344.8	3.66	6.98	3.40	YES	
L0000183	0	0.38462E-01	443343.0	3772636.1	344.7	3.66	6.98	3.40	YES	
L0000184	0	0.38462E-01	443358.0	3772636.1	344.3	3.66	6.98	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000185	0	0.38462E-01	443373.0	3772636.1	344.2	3.66	6.98	3.40	YES	
L0000186	0	0.38462E-01	443388.0	3772636.1	344.2	3.66	6.98	3.40	YES	
L0000187	0	0.38462E-01	443403.0	3772636.1	344.2	3.66	6.98	3.40	YES	
L0000188	0	0.38462E-01	443418.0	3772636.1	343.9	3.66	6.98	3.40	YES	
L0000189	0	0.38462E-01	443433.0	3772636.1	343.7	3.66	6.98	3.40	YES	
L0000190	0	0.38462E-01	443448.0	3772636.1	343.6	3.66	6.98	3.40	YES	
L0000191	0	0.38462E-01	443463.0	3772636.1	343.4	3.66	6.98	3.40	YES	
L0000192	0	0.38462E-01	443478.0	3772636.1	343.3	3.66	6.98	3.40	YES	
L0000193	0	0.38462E-01	443493.0	3772636.1	343.2	3.66	6.98	3.40	YES	
L0000194	0	0.38462E-01	443508.0	3772636.1	342.9	3.66	6.98	3.40	YES	
L0000195	0	0.38462E-01	443523.0	3772636.1	342.6	3.66	6.98	3.40	YES	
L0000196	0	0.38462E-01	443538.0	3772636.1	342.5	3.66	6.98	3.40	YES	
L0000197	0	0.38462E-01	443553.0	3772636.1	342.4	3.66	6.98	3.40	YES	
L0000198	0	0.38462E-01	443566.9	3772639.3	342.4	3.66	6.98	3.40	YES	
L0000199	0	0.38462E-01	443577.4	3772649.3	342.5	3.66	6.98	3.40	YES	
L0000200	0	0.38462E-01	443577.7	3772664.3	342.6	3.66	6.98	3.40	YES	
L0000201	0	0.38462E-01	443578.0	3772679.3	342.9	3.66	6.98	3.40	YES	
L0000202	0	0.38462E-01	443578.3	3772694.3	342.9	3.66	6.98	3.40	YES	
L0000203	0	0.38462E-01	443578.7	3772709.3	342.9	3.66	6.98	3.40	YES	
L0000204	0	0.38462E-01	443579.0	3772724.2	343.2	3.66	6.98	3.40	YES	
L0000205	0	0.38462E-01	443590.8	3772727.9	343.2	3.66	6.98	3.40	YES	
L0000206	0	0.38462E-01	443605.8	3772728.5	343.1	3.66	6.98	3.40	YES	
L0000207	0	0.14286E+00	443092.4	3772656.8	346.7	3.66	6.51	3.40	YES	
L0000208	0	0.14286E+00	443106.4	3772656.8	347.3	3.66	6.51	3.40	YES	
L0000209	0	0.14286E+00	443120.4	3772656.8	347.6	3.66	6.51	3.40	YES	
L0000210	0	0.14286E+00	443134.4	3772656.8	347.6	3.66	6.51	3.40	YES	
L0000211	0	0.14286E+00	443148.4	3772656.8	347.6	3.66	6.51	3.40	YES	
L0000212	0	0.14286E+00	443162.4	3772656.8	347.6	3.66	6.51	3.40	YES	
L0000213	0	0.14286E+00	443176.4	3772656.8	347.5	3.66	6.51	3.40	YES	
L0000214	0	0.50000E-01	443098.1	3772636.2	346.7	3.66	13.95	3.40	YES	
L0000215	0	0.50000E-01	443128.1	3772636.3	347.4	3.66	13.95	3.40	YES	
L0000216	0	0.50000E-01	443158.1	3772636.5	347.5	3.66	13.95	3.40	YES	
L0000217	0	0.50000E-01	443188.1	3772636.6	347.3	3.66	13.95	3.40	YES	
L0000218	0	0.50000E-01	443218.1	3772636.7	345.9	3.66	13.95	3.40	YES	
L0000219	0	0.50000E-01	443248.1	3772636.9	345.4	3.66	13.95	3.40	YES	
L0000220	0	0.50000E-01	443278.1	3772637.0	345.2	3.66	13.95	3.40	YES	
L0000221	0	0.50000E-01	443308.1	3772637.2	345.0	3.66	13.95	3.40	YES	
L0000222	0	0.50000E-01	443338.1	3772637.3	344.8	3.66	13.95	3.40	YES	
L0000223	0	0.50000E-01	443368.1	3772637.5	344.3	3.66	13.95	3.40	YES	
L0000224	0	0.50000E-01	443398.1	3772637.6	344.2	3.66	13.95	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000225	0	0.50000E-01	443428.1	3772637.8	343.7	3.66	13.95	3.40	YES	
L0000226	0	0.50000E-01	443458.1	3772637.9	343.5	3.66	13.95	3.40	YES	
L0000227	0	0.50000E-01	443488.1	3772638.1	343.2	3.66	13.95	3.40	YES	
L0000228	0	0.50000E-01	443518.1	3772638.2	342.7	3.66	13.95	3.40	YES	
L0000229	0	0.50000E-01	443548.1	3772638.3	342.5	3.66	13.95	3.40	YES	
L0000230	0	0.50000E-01	443575.7	3772645.7	342.5	3.66	13.95	3.40	YES	
L0000231	0	0.50000E-01	443578.5	3772674.0	342.8	3.66	13.95	3.40	YES	
L0000232	0	0.50000E-01	443577.9	3772704.0	342.9	3.66	13.95	3.40	YES	
L0000233	0	0.50000E-01	443582.7	3772728.7	343.2	3.66	13.95	3.40	YES	
L0000274	0	0.66667E-01	443097.5	3772637.3	346.7	3.66	13.95	3.40	YES	
L0000275	0	0.66667E-01	443127.5	3772637.4	347.4	3.66	13.95	3.40	YES	
L0000276	0	0.66667E-01	443157.5	3772637.5	347.6	3.66	13.95	3.40	YES	
L0000277	0	0.66667E-01	443187.5	3772637.7	347.3	3.66	13.95	3.40	YES	
L0000278	0	0.66667E-01	443217.5	3772637.8	346.0	3.66	13.95	3.40	YES	
L0000279	0	0.66667E-01	443233.8	3772651.7	346.0	3.66	13.95	3.40	YES	
L0000280	0	0.66667E-01	443234.0	3772681.7	346.6	3.66	13.95	3.40	YES	
L0000281	0	0.66667E-01	443234.2	3772711.7	347.0	3.66	13.95	3.40	YES	
L0000282	0	0.66667E-01	443234.4	3772741.7	347.6	3.66	13.95	3.40	YES	
L0000283	0	0.66667E-01	443234.6	3772771.7	347.8	3.66	13.95	3.40	YES	
L0000284	0	0.66667E-01	443234.9	3772801.7	348.4	3.66	13.95	3.40	YES	
L0000285	0	0.66667E-01	443235.1	3772831.7	349.0	3.66	13.95	3.40	YES	
L0000286	0	0.66667E-01	443235.3	3772861.7	349.7	3.66	13.95	3.40	YES	
L0000287	0	0.66667E-01	443242.6	3772889.9	350.2	3.66	13.95	3.40	YES	
L0000288	0	0.66667E-01	443256.7	3772916.3	350.5	3.66	13.95	3.40	YES	
L0000289	0	0.20000E+00	443040.6	3772774.0	350.0	3.66	13.95	3.40	YES	
L0000290	0	0.20000E+00	443040.8	3772744.0	349.4	3.66	13.95	3.40	YES	
L0000291	0	0.20000E+00	443040.9	3772714.0	348.2	3.66	13.95	3.40	YES	
L0000292	0	0.20000E+00	443041.0	3772684.0	348.3	3.66	13.95	3.40	YES	
L0000293	0	0.20000E+00	443041.2	3772654.0	348.0	3.66	13.95	3.40	YES	
L0000303	0	0.11111E+00	443005.0	3772775.7	350.8	3.66	6.51	3.40	YES	
L0000304	0	0.11111E+00	443005.0	3772761.7	350.5	3.66	6.51	3.40	YES	
L0000305	0	0.11111E+00	443005.1	3772747.7	350.0	3.66	6.51	3.40	YES	
L0000306	0	0.11111E+00	443005.2	3772733.7	349.1	3.66	6.51	3.40	YES	
L0000307	0	0.11111E+00	443005.2	3772719.7	348.8	3.66	6.51	3.40	YES	
L0000308	0	0.11111E+00	443005.3	3772705.7	348.7	3.66	6.51	3.40	YES	
L0000309	0	0.11111E+00	443005.4	3772691.7	348.6	3.66	6.51	3.40	YES	
L0000310	0	0.11111E+00	443005.4	3772677.7	348.6	3.66	6.51	3.40	YES	
L0000311	0	0.11111E+00	443005.5	3772663.7	348.6	3.66	6.51	3.40	YES	
L0000312	0	0.35714E-01	443024.5	3772772.9	350.4	3.66	13.95	3.40	YES	
L0000313	0	0.35714E-01	443024.6	3772742.9	349.6	3.66	13.95	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000314	0	0.35714E-01	443024.7	3772712.9	348.5	3.66	13.95	3.40	YES	
L0000315	0	0.35714E-01	443024.8	3772682.9	348.4	3.66	13.95	3.40	YES	
L0000316	0	0.35714E-01	443024.9	3772652.9	348.4	3.66	13.95	3.40	YES	
L0000317	0	0.35714E-01	443025.0	3772622.9	348.0	3.66	13.95	3.40	YES	
L0000318	0	0.35714E-01	443049.4	3772617.2	347.4	3.66	13.95	3.40	YES	
L0000319	0	0.35714E-01	443079.4	3772617.2	346.7	3.66	13.95	3.40	YES	
L0000320	0	0.35714E-01	443109.4	3772617.2	346.8	3.66	13.95	3.40	YES	
L0000321	0	0.35714E-01	443139.4	3772617.2	347.0	3.66	13.95	3.40	YES	
L0000322	0	0.35714E-01	443169.4	3772617.2	347.1	3.66	13.95	3.40	YES	
L0000323	0	0.35714E-01	443199.4	3772617.2	346.6	3.66	13.95	3.40	YES	
L0000324	0	0.35714E-01	443227.0	3772622.2	345.3	3.66	13.95	3.40	YES	
L0000325	0	0.35714E-01	443250.1	3772637.3	345.4	3.66	13.95	3.40	YES	
L0000326	0	0.35714E-01	443280.1	3772637.2	345.2	3.66	13.95	3.40	YES	
L0000327	0	0.35714E-01	443310.1	3772637.2	345.0	3.66	13.95	3.40	YES	
L0000328	0	0.35714E-01	443340.1	3772637.1	344.8	3.66	13.95	3.40	YES	
L0000329	0	0.35714E-01	443370.1	3772637.0	344.3	3.66	13.95	3.40	YES	
L0000330	0	0.35714E-01	443400.1	3772637.0	344.2	3.66	13.95	3.40	YES	
L0000331	0	0.35714E-01	443430.1	3772636.9	343.7	3.66	13.95	3.40	YES	
L0000332	0	0.35714E-01	443460.1	3772636.9	343.5	3.66	13.95	3.40	YES	
L0000333	0	0.35714E-01	443490.1	3772636.8	343.2	3.66	13.95	3.40	YES	
L0000334	0	0.35714E-01	443520.1	3772636.8	342.7	3.66	13.95	3.40	YES	
L0000335	0	0.35714E-01	443550.1	3772636.7	342.4	3.66	13.95	3.40	YES	
L0000336	0	0.35714E-01	443576.6	3772646.7	342.5	3.66	13.95	3.40	YES	
L0000337	0	0.35714E-01	443578.9	3772675.8	342.8	3.66	13.95	3.40	YES	
L0000338	0	0.35714E-01	443579.3	3772705.8	342.9	3.66	13.95	3.40	YES	
L0000339	0	0.35714E-01	443589.1	3772726.5	343.2	3.66	13.95	3.40	YES	
L0000340	0	0.43478E-01	443024.5	3772774.0	350.5	3.66	13.95	3.40	YES	
L0000341	0	0.43478E-01	443024.5	3772744.0	349.6	3.66	13.95	3.40	YES	
L0000342	0	0.43478E-01	443024.5	3772714.0	348.5	3.66	13.95	3.40	YES	
L0000343	0	0.43478E-01	443024.5	3772684.0	348.4	3.66	13.95	3.40	YES	
L0000344	0	0.43478E-01	443024.5	3772654.0	348.4	3.66	13.95	3.40	YES	
L0000345	0	0.43478E-01	443024.5	3772624.0	348.0	3.66	13.95	3.40	YES	
L0000346	0	0.43478E-01	443047.1	3772616.7	347.5	3.66	13.95	3.40	YES	
L0000347	0	0.43478E-01	443077.1	3772616.9	346.8	3.66	13.95	3.40	YES	
L0000348	0	0.43478E-01	443107.1	3772617.1	346.8	3.66	13.95	3.40	YES	
L0000349	0	0.43478E-01	443137.1	3772617.2	347.0	3.66	13.95	3.40	YES	
L0000350	0	0.43478E-01	443167.1	3772617.4	347.2	3.66	13.95	3.40	YES	
L0000351	0	0.43478E-01	443197.1	3772617.6	346.8	3.66	13.95	3.40	YES	
L0000352	0	0.43478E-01	443225.7	3772620.8	345.4	3.66	13.95	3.40	YES	
L0000353	0	0.43478E-01	443235.4	3772647.0	345.9	3.66	13.95	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000354	0	0.43478E-01	443235.3	3772677.0	346.5	3.66	13.95	3.40	YES	
L0000355	0	0.43478E-01	443235.2	3772707.0	346.9	3.66	13.95	3.40	YES	
L0000356	0	0.43478E-01	443235.2	3772737.0	347.5	3.66	13.95	3.40	YES	
L0000357	0	0.43478E-01	443235.1	3772767.0	347.7	3.66	13.95	3.40	YES	
L0000358	0	0.43478E-01	443235.0	3772797.0	348.3	3.66	13.95	3.40	YES	
L0000359	0	0.43478E-01	443234.9	3772827.0	348.8	3.66	13.95	3.40	YES	
L0000360	0	0.43478E-01	443234.9	3772857.0	349.6	3.66	13.95	3.40	YES	
L0000361	0	0.43478E-01	443239.9	3772885.7	350.2	3.66	13.95	3.40	YES	
L0000362	0	0.43478E-01	443253.7	3772912.4	350.5	3.66	13.95	3.40	YES	
L0000363	0	0.30303E-01	443261.3	3772938.9	350.8	3.66	11.16	3.40	YES	
L0000364	0	0.30303E-01	443285.3	3772938.7	350.4	3.66	11.16	3.40	YES	
L0000365	0	0.30303E-01	443309.3	3772938.4	350.0	3.66	11.16	3.40	YES	
L0000366	0	0.30303E-01	443333.3	3772938.2	349.7	3.66	11.16	3.40	YES	
L0000367	0	0.30303E-01	443357.3	3772937.9	349.4	3.66	11.16	3.40	YES	
L0000368	0	0.30303E-01	443381.3	3772937.7	349.1	3.66	11.16	3.40	YES	
L0000369	0	0.30303E-01	443405.3	3772937.5	348.7	3.66	11.16	3.40	YES	
L0000370	0	0.30303E-01	443429.3	3772937.2	348.5	3.66	11.16	3.40	YES	
L0000371	0	0.30303E-01	443453.3	3772937.0	348.3	3.66	11.16	3.40	YES	
L0000372	0	0.30303E-01	443477.3	3772936.7	348.3	3.66	11.16	3.40	YES	
L0000373	0	0.30303E-01	443501.3	3772936.5	348.5	3.66	11.16	3.40	YES	
L0000374	0	0.30303E-01	443525.3	3772936.3	347.2	3.66	11.16	3.40	YES	
L0000375	0	0.30303E-01	443549.3	3772936.0	348.3	3.66	11.16	3.40	YES	
L0000376	0	0.30303E-01	443573.3	3772935.8	347.8	3.66	11.16	3.40	YES	
L0000377	0	0.30303E-01	443597.3	3772935.7	347.3	3.66	11.16	3.40	YES	
L0000378	0	0.30303E-01	443621.3	3772935.6	346.6	3.66	11.16	3.40	YES	
L0000379	0	0.30303E-01	443636.6	3772948.0	346.9	3.66	11.16	3.40	YES	
L0000380	0	0.30303E-01	443636.4	3772972.0	347.5	3.66	11.16	3.40	YES	
L0000381	0	0.30303E-01	443636.2	3772996.0	348.1	3.66	11.16	3.40	YES	
L0000382	0	0.30303E-01	443636.0	3773020.0	348.7	3.66	11.16	3.40	YES	
L0000383	0	0.30303E-01	443635.7	3773044.0	349.2	3.66	11.16	3.40	YES	
L0000384	0	0.30303E-01	443635.5	3773068.0	349.8	3.66	11.16	3.40	YES	
L0000385	0	0.30303E-01	443635.3	3773092.0	350.4	3.66	11.16	3.40	YES	
L0000386	0	0.30303E-01	443635.5	3773116.0	351.0	3.66	11.16	3.40	YES	
L0000387	0	0.30303E-01	443636.1	3773140.0	351.6	3.66	11.16	3.40	YES	
L0000388	0	0.30303E-01	443636.7	3773164.0	352.2	3.66	11.16	3.40	YES	
L0000389	0	0.30303E-01	443637.3	3773188.0	352.8	3.66	11.16	3.40	YES	
L0000390	0	0.30303E-01	443637.9	3773212.0	353.4	3.66	11.16	3.40	YES	
L0000391	0	0.30303E-01	443638.5	3773236.0	353.9	3.66	11.16	3.40	YES	
L0000392	0	0.30303E-01	443639.1	3773259.9	354.5	3.66	11.16	3.40	YES	
L0000393	0	0.30303E-01	443639.5	3773283.9	355.0	3.66	11.16	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000394	0	0.30303E-01	443638.8	3773307.9	355.6	3.66	11.16	3.40	YES	
L0000395	0	0.30303E-01	443638.1	3773331.9	355.9	3.66	11.16	3.40	YES	
L0000396	0	0.40000E-01	443621.1	3772726.9	344.0	3.66	11.16	3.40	YES	
L0000397	0	0.40000E-01	443625.4	3772705.1	343.8	3.66	11.16	3.40	YES	
L0000398	0	0.40000E-01	443624.8	3772681.1	343.1	3.66	11.16	3.40	YES	
L0000399	0	0.40000E-01	443624.3	3772657.1	342.5	3.66	11.16	3.40	YES	
L0000400	0	0.40000E-01	443623.8	3772633.1	342.2	3.66	11.16	3.40	YES	
L0000401	0	0.40000E-01	443623.0	3772609.1	342.0	3.66	11.16	3.40	YES	
L0000402	0	0.40000E-01	443622.3	3772585.1	341.9	3.66	11.16	3.40	YES	
L0000403	0	0.40000E-01	443621.5	3772561.1	340.8	3.66	11.16	3.40	YES	
L0000404	0	0.40000E-01	443621.0	3772537.1	339.8	3.66	11.16	3.40	YES	
L0000405	0	0.40000E-01	443620.9	3772513.1	339.4	3.66	11.16	3.40	YES	
L0000406	0	0.40000E-01	443620.8	3772489.1	339.1	3.66	11.16	3.40	YES	
L0000407	0	0.40000E-01	443620.7	3772465.1	338.8	3.66	11.16	3.40	YES	
L0000408	0	0.40000E-01	443620.5	3772441.1	338.4	3.66	11.16	3.40	YES	
L0000409	0	0.40000E-01	443620.1	3772417.1	338.0	3.66	11.16	3.40	YES	
L0000410	0	0.40000E-01	443619.8	3772393.1	337.6	3.66	11.16	3.40	YES	
L0000411	0	0.40000E-01	443619.4	3772369.1	337.2	3.66	11.16	3.40	YES	
L0000412	0	0.40000E-01	443619.0	3772345.1	336.8	3.66	11.16	3.40	YES	
L0000413	0	0.40000E-01	443618.7	3772321.1	336.4	3.66	11.16	3.40	YES	
L0000414	0	0.40000E-01	443618.1	3772297.1	336.0	3.66	11.16	3.40	YES	
L0000415	0	0.40000E-01	443617.4	3772273.1	335.6	3.66	11.16	3.40	YES	
L0000416	0	0.40000E-01	443616.8	3772249.2	335.2	3.66	11.16	3.40	YES	
L0000417	0	0.40000E-01	443616.1	3772225.2	334.8	3.66	11.16	3.40	YES	
L0000418	0	0.40000E-01	443615.5	3772201.2	334.3	3.66	11.16	3.40	YES	
L0000419	0	0.40000E-01	443614.8	3772177.2	333.9	3.66	11.16	3.40	YES	
L0000420	0	0.40000E-01	443614.2	3772153.2	333.4	3.66	11.16	3.40	YES	
L0000471	0	0.37037E-01	443619.5	3772726.9	343.9	3.66	11.16	3.40	YES	
L0000472	0	0.37037E-01	443635.1	3772739.3	344.3	3.66	11.16	3.40	YES	
L0000473	0	0.37037E-01	443635.5	3772763.3	344.2	3.66	11.16	3.40	YES	
L0000474	0	0.37037E-01	443635.8	3772787.3	344.8	3.66	11.16	3.40	YES	
L0000475	0	0.37037E-01	443636.2	3772811.3	344.9	3.66	11.16	3.40	YES	
L0000476	0	0.37037E-01	443636.5	3772835.3	344.8	3.66	11.16	3.40	YES	
L0000477	0	0.37037E-01	443636.9	3772859.3	344.9	3.66	11.16	3.40	YES	
L0000478	0	0.37037E-01	443636.8	3772883.3	345.2	3.66	11.16	3.40	YES	
L0000479	0	0.37037E-01	443636.6	3772907.3	345.8	3.66	11.16	3.40	YES	
L0000480	0	0.37037E-01	443636.5	3772931.3	346.4	3.66	11.16	3.40	YES	
L0000481	0	0.37037E-01	443636.3	3772955.3	347.1	3.66	11.16	3.40	YES	
L0000482	0	0.37037E-01	443636.1	3772979.3	347.7	3.66	11.16	3.40	YES	
L0000483	0	0.37037E-01	443635.9	3773003.3	348.2	3.66	11.16	3.40	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000484	0	0.37037E-01	443635.8	3773027.3	348.9	3.66	11.16	3.40	YES	
L0000485	0	0.37037E-01	443635.6	3773051.3	349.4	3.66	11.16	3.40	YES	
L0000486	0	0.37037E-01	443635.5	3773075.3	350.0	3.66	11.16	3.40	YES	
L0000487	0	0.37037E-01	443635.9	3773099.3	350.6	3.66	11.16	3.40	YES	
L0000488	0	0.37037E-01	443636.4	3773123.3	351.2	3.66	11.16	3.40	YES	
L0000489	0	0.37037E-01	443636.9	3773147.3	351.8	3.66	11.16	3.40	YES	
L0000490	0	0.37037E-01	443637.3	3773171.3	352.4	3.66	11.16	3.40	YES	
L0000491	0	0.37037E-01	443637.8	3773195.3	353.0	3.66	11.16	3.40	YES	
L0000492	0	0.37037E-01	443638.3	3773219.3	353.6	3.66	11.16	3.40	YES	
L0000493	0	0.37037E-01	443638.8	3773243.3	354.1	3.66	11.16	3.40	YES	
L0000494	0	0.37037E-01	443639.1	3773267.3	354.7	3.66	11.16	3.40	YES	
L0000495	0	0.37037E-01	443638.5	3773291.3	355.2	3.66	11.16	3.40	YES	
L0000496	0	0.37037E-01	443638.0	3773315.3	355.7	3.66	11.16	3.40	YES	
L0000497	0	0.37037E-01	443637.5	3773339.3	356.0	3.66	11.16	3.40	YES	
L0004842	0	0.26316E-02	442852.6	3772822.4	353.7	3.66	9.30	3.40	YES	HRDOW
L0004843	0	0.26316E-02	442852.7	3772802.4	353.1	3.66	9.30	3.40	YES	HRDOW
L0004844	0	0.26316E-02	442852.9	3772782.4	352.7	3.66	9.30	3.40	YES	HRDOW
L0004845	0	0.26316E-02	442853.0	3772762.4	352.3	3.66	9.30	3.40	YES	HRDOW
L0004846	0	0.26316E-02	442853.2	3772742.4	352.0	3.66	9.30	3.40	YES	HRDOW
L0004847	0	0.26316E-02	442853.4	3772722.4	351.6	3.66	9.30	3.40	YES	HRDOW
L0004848	0	0.26316E-02	442853.5	3772702.4	351.0	3.66	9.30	3.40	YES	HRDOW
L0004849	0	0.26316E-02	442853.7	3772682.4	350.9	3.66	9.30	3.40	YES	HRDOW
L0004850	0	0.26316E-02	442853.8	3772662.4	350.5	3.66	9.30	3.40	YES	HRDOW
L0004851	0	0.26316E-02	442854.0	3772642.4	350.2	3.66	9.30	3.40	YES	HRDOW
L0004852	0	0.26316E-02	442859.2	3772627.8	349.7	3.66	9.30	3.40	YES	HRDOW
L0004853	0	0.26316E-02	442878.0	3772630.2	349.5	3.66	9.30	3.40	YES	HRDOW
L0004854	0	0.26316E-02	442877.8	3772650.2	350.0	3.66	9.30	3.40	YES	HRDOW
L0004855	0	0.26316E-02	442877.7	3772670.2	350.3	3.66	9.30	3.40	YES	HRDOW
L0004856	0	0.26316E-02	442877.5	3772690.2	350.7	3.66	9.30	3.40	YES	HRDOW
L0004857	0	0.26316E-02	442877.4	3772710.2	351.2	3.66	9.30	3.40	YES	HRDOW
L0004858	0	0.26316E-02	442877.2	3772730.2	351.2	3.66	9.30	3.40	YES	HRDOW
L0004859	0	0.26316E-02	442877.0	3772750.2	351.4	3.66	9.30	3.40	YES	HRDOW
L0004860	0	0.26316E-02	442876.9	3772770.2	351.7	3.66	9.30	3.40	YES	HRDOW
L0004861	0	0.26316E-02	442876.7	3772790.2	352.3	3.66	9.30	3.40	YES	HRDOW
L0004862	0	0.26316E-02	442876.5	3772810.2	352.9	3.66	9.30	3.40	YES	HRDOW
L0004863	0	0.26316E-02	442879.2	3772827.4	353.3	3.66	9.30	3.40	YES	HRDOW
L0004864	0	0.26316E-02	442899.2	3772827.4	353.1	3.66	9.30	3.40	YES	HRDOW
L0004865	0	0.26316E-02	442903.2	3772811.6	352.5	3.66	9.30	3.40	YES	HRDOW
L0004866	0	0.26316E-02	442902.8	3772791.6	352.1	3.66	9.30	3.40	YES	HRDOW
L0004867	0	0.26316E-02	442902.4	3772771.6	351.3	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004868	0	0.26316E-02	442902.0	3772751.6	351.1	3.66	9.30	3.40	YES	HRDOW
L0004869	0	0.26316E-02	442901.6	3772731.6	351.0	3.66	9.30	3.40	YES	HRDOW
L0004870	0	0.26316E-02	442901.2	3772711.7	350.5	3.66	9.30	3.40	YES	HRDOW
L0004871	0	0.26316E-02	442900.8	3772691.7	350.3	3.66	9.30	3.40	YES	HRDOW
L0004872	0	0.26316E-02	442900.4	3772671.7	350.1	3.66	9.30	3.40	YES	HRDOW
L0004873	0	0.26316E-02	442900.0	3772651.7	349.7	3.66	9.30	3.40	YES	HRDOW
L0004874	0	0.26316E-02	442899.6	3772631.7	349.2	3.66	9.30	3.40	YES	HRDOW
L0004875	0	0.26316E-02	442916.1	3772629.2	349.0	3.66	9.30	3.40	YES	HRDOW
L0004876	0	0.26316E-02	442927.3	3772638.6	349.1	3.66	9.30	3.40	YES	HRDOW
L0004877	0	0.26316E-02	442927.3	3772658.6	349.4	3.66	9.30	3.40	YES	HRDOW
L0004878	0	0.26316E-02	442927.2	3772678.6	349.6	3.66	9.30	3.40	YES	HRDOW
L0004879	0	0.26316E-02	442927.1	3772698.6	349.8	3.66	9.30	3.40	YES	HRDOW
L0004880	0	0.26316E-02	442927.0	3772718.6	349.9	3.66	9.30	3.40	YES	HRDOW
L0004881	0	0.26316E-02	442926.9	3772738.6	350.4	3.66	9.30	3.40	YES	HRDOW
L0004882	0	0.26316E-02	442926.9	3772758.6	350.6	3.66	9.30	3.40	YES	HRDOW
L0004883	0	0.26316E-02	442926.8	3772778.6	351.3	3.66	9.30	3.40	YES	HRDOW
L0004884	0	0.26316E-02	442926.7	3772798.6	352.1	3.66	9.30	3.40	YES	HRDOW
L0004885	0	0.26316E-02	442926.6	3772818.6	352.6	3.66	9.30	3.40	YES	HRDOW
L0004886	0	0.26316E-02	442935.4	3772829.3	352.8	3.66	9.30	3.40	YES	HRDOW
L0004887	0	0.26316E-02	442955.3	3772828.2	352.6	3.66	9.30	3.40	YES	HRDOW
L0004888	0	0.26316E-02	442955.9	3772808.9	352.1	3.66	9.30	3.40	YES	HRDOW
L0004889	0	0.26316E-02	442955.7	3772788.9	351.5	3.66	9.30	3.40	YES	HRDOW
L0004890	0	0.26316E-02	442955.6	3772768.9	350.4	3.66	9.30	3.40	YES	HRDOW
L0004891	0	0.26316E-02	442955.4	3772748.9	350.2	3.66	9.30	3.40	YES	HRDOW
L0004892	0	0.26316E-02	442955.2	3772728.9	349.6	3.66	9.30	3.40	YES	HRDOW
L0004893	0	0.26316E-02	442955.1	3772708.9	349.3	3.66	9.30	3.40	YES	HRDOW
L0004894	0	0.26316E-02	442954.9	3772688.9	349.1	3.66	9.30	3.40	YES	HRDOW
L0004895	0	0.26316E-02	442954.8	3772668.9	349.0	3.66	9.30	3.40	YES	HRDOW
L0004896	0	0.26316E-02	442954.6	3772648.9	348.9	3.66	9.30	3.40	YES	HRDOW
L0004897	0	0.26316E-02	442956.2	3772630.7	348.6	3.66	9.30	3.40	YES	HRDOW
L0004898	0	0.26316E-02	442976.2	3772630.7	348.3	3.66	9.30	3.40	YES	HRDOW
L0004899	0	0.26316E-02	442982.3	3772644.6	348.5	3.66	9.30	3.40	YES	HRDOW
L0004900	0	0.26316E-02	442982.2	3772664.6	348.7	3.66	9.30	3.40	YES	HRDOW
L0004901	0	0.26316E-02	442982.1	3772684.6	348.7	3.66	9.30	3.40	YES	HRDOW
L0004902	0	0.26316E-02	442982.0	3772704.6	348.9	3.66	9.30	3.40	YES	HRDOW
L0004903	0	0.26316E-02	442982.0	3772724.6	349.2	3.66	9.30	3.40	YES	HRDOW
L0004904	0	0.26316E-02	442981.9	3772744.6	350.1	3.66	9.30	3.40	YES	HRDOW
L0004905	0	0.26316E-02	442981.8	3772764.6	350.9	3.66	9.30	3.40	YES	HRDOW
L0004906	0	0.26316E-02	442981.7	3772784.6	351.2	3.66	9.30	3.40	YES	HRDOW
L0004907	0	0.26316E-02	442981.6	3772804.6	351.7	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004908	0	0.26316E-02	442981.6	3772824.6	352.2	3.66	9.30	3.40	YES	HRDOW
L0004909	0	0.26316E-02	442997.9	3772828.7	352.2	3.66	9.30	3.40	YES	HRDOW
L0004910	0	0.26316E-02	443007.0	3772818.1	351.7	3.66	9.30	3.40	YES	HRDOW
L0004911	0	0.26316E-02	443007.0	3772798.1	351.2	3.66	9.30	3.40	YES	HRDOW
L0004912	0	0.26316E-02	443007.0	3772778.1	350.8	3.66	9.30	3.40	YES	HRDOW
L0004913	0	0.26316E-02	443007.0	3772758.1	350.4	3.66	9.30	3.40	YES	HRDOW
L0004914	0	0.26316E-02	443007.0	3772738.1	349.4	3.66	9.30	3.40	YES	HRDOW
L0004915	0	0.26316E-02	443007.0	3772718.1	348.8	3.66	9.30	3.40	YES	HRDOW
L0004916	0	0.26316E-02	443007.0	3772698.1	348.6	3.66	9.30	3.40	YES	HRDOW
L0004917	0	0.26316E-02	443007.0	3772678.1	348.6	3.66	9.30	3.40	YES	HRDOW
L0004918	0	0.26316E-02	443007.0	3772658.1	348.5	3.66	9.30	3.40	YES	HRDOW
L0004919	0	0.26316E-02	443007.0	3772638.1	348.2	3.66	9.30	3.40	YES	HRDOW
L0004920	0	0.26316E-02	443020.3	3772632.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0004921	0	0.26316E-02	443021.7	3772652.0	348.4	3.66	9.30	3.40	YES	HRDOW
L0004922	0	0.26316E-02	443022.0	3772672.0	348.5	3.66	9.30	3.40	YES	HRDOW
L0004923	0	0.26316E-02	443022.3	3772692.0	348.4	3.66	9.30	3.40	YES	HRDOW
L0004924	0	0.26316E-02	443022.7	3772712.0	348.5	3.66	9.30	3.40	YES	HRDOW
L0004925	0	0.26316E-02	443023.0	3772732.0	348.8	3.66	9.30	3.40	YES	HRDOW
L0004926	0	0.26316E-02	443023.3	3772752.0	349.9	3.66	9.30	3.40	YES	HRDOW
L0004927	0	0.26316E-02	443023.7	3772772.0	350.4	3.66	9.30	3.40	YES	HRDOW
L0004928	0	0.26316E-02	443024.0	3772792.0	350.7	3.66	9.30	3.40	YES	HRDOW
L0004929	0	0.26316E-02	443024.4	3772812.0	351.1	3.66	9.30	3.40	YES	HRDOW
L0004930	0	0.26316E-02	443033.1	3772823.4	350.7	3.66	9.30	3.40	YES	HRDOW
L0004931	0	0.26316E-02	443036.2	3772806.8	350.4	3.66	9.30	3.40	YES	HRDOW
L0004932	0	0.26316E-02	443035.9	3772786.8	350.3	3.66	9.30	3.40	YES	HRDOW
L0004933	0	0.26316E-02	443035.6	3772766.8	350.1	3.66	9.30	3.40	YES	HRDOW
L0004934	0	0.26316E-02	443035.2	3772746.8	349.6	3.66	9.30	3.40	YES	HRDOW
L0004935	0	0.26316E-02	443034.9	3772726.8	348.4	3.66	9.30	3.40	YES	HRDOW
L0004936	0	0.26316E-02	443034.6	3772706.8	348.4	3.66	9.30	3.40	YES	HRDOW
L0004937	0	0.26316E-02	443034.2	3772686.8	348.4	3.66	9.30	3.40	YES	HRDOW
L0004938	0	0.26316E-02	443033.9	3772666.8	348.3	3.66	9.30	3.40	YES	HRDOW
L0004939	0	0.26316E-02	443033.6	3772646.8	348.1	3.66	9.30	3.40	YES	HRDOW
L0004940	0	0.26316E-02	443035.6	3772629.2	347.9	3.66	9.30	3.40	YES	HRDOW
L0004941	0	0.26316E-02	443055.5	3772630.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004942	0	0.26316E-02	443059.3	3772646.6	347.4	3.66	9.30	3.40	YES	HRDOW
L0004943	0	0.26316E-02	443059.0	3772666.6	347.7	3.66	9.30	3.40	YES	HRDOW
L0004944	0	0.26316E-02	443058.7	3772686.6	347.9	3.66	9.30	3.40	YES	HRDOW
L0004945	0	0.26316E-02	443058.4	3772706.6	348.0	3.66	9.30	3.40	YES	HRDOW
L0004946	0	0.26316E-02	443058.1	3772726.6	347.9	3.66	9.30	3.40	YES	HRDOW
L0004947	0	0.26316E-02	443073.6	3772731.0	347.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004948	0	0.26316E-02	443083.4	3772720.9	347.4	3.66	9.30	3.40	YES	HRDOW
L0004949	0	0.26316E-02	443083.2	3772700.9	347.2	3.66	9.30	3.40	YES	HRDOW
L0004950	0	0.26316E-02	443083.1	3772680.9	347.0	3.66	9.30	3.40	YES	HRDOW
L0004951	0	0.26316E-02	443082.9	3772660.9	346.9	3.66	9.30	3.40	YES	HRDOW
L0004952	0	0.26316E-02	443082.8	3772640.9	346.8	3.66	9.30	3.40	YES	HRDOW
L0004953	0	0.26316E-02	443092.3	3772632.1	346.7	3.66	9.30	3.40	YES	HRDOW
L0004954	0	0.26316E-02	443104.5	3772641.1	346.9	3.66	9.30	3.40	YES	HRDOW
L0004955	0	0.26316E-02	443103.0	3772661.0	347.2	3.66	9.30	3.40	YES	HRDOW
L0004956	0	0.26316E-02	443101.5	3772681.0	347.2	3.66	9.30	3.40	YES	HRDOW
L0004957	0	0.26316E-02	443100.1	3772700.9	347.2	3.66	9.30	3.40	YES	HRDOW
L0004958	0	0.26316E-02	443098.6	3772720.9	347.4	3.66	9.30	3.40	YES	HRDOW
L0004959	0	0.26316E-02	443106.8	3772731.3	347.7	3.66	9.30	3.40	YES	HRDOW
L0004960	0	0.26316E-02	443123.3	3772726.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004961	0	0.26316E-02	443123.3	3772706.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004962	0	0.26316E-02	443123.3	3772686.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004963	0	0.26316E-02	443123.3	3772666.7	347.5	3.66	9.30	3.40	YES	HRDOW
L0004964	0	0.26316E-02	443123.3	3772646.7	347.5	3.66	9.30	3.40	YES	HRDOW
L0004965	0	0.26316E-02	443133.5	3772638.5	347.5	3.66	9.30	3.40	YES	HRDOW
L0004966	0	0.26316E-02	443146.4	3772647.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004967	0	0.26316E-02	443146.4	3772667.2	347.7	3.66	9.30	3.40	YES	HRDOW
L0004968	0	0.26316E-02	443146.4	3772687.2	347.7	3.66	9.30	3.40	YES	HRDOW
L0004969	0	0.26316E-02	443146.4	3772707.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004970	0	0.26316E-02	443146.4	3772727.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004971	0	0.26316E-02	443164.2	3772730.1	347.7	3.66	9.30	3.40	YES	HRDOW
L0004972	0	0.26316E-02	443168.4	3772714.8	347.4	3.66	9.30	3.40	YES	HRDOW
L0004973	0	0.26316E-02	443168.0	3772694.8	347.5	3.66	9.30	3.40	YES	HRDOW
L0004974	0	0.26316E-02	443167.7	3772674.8	347.5	3.66	9.30	3.40	YES	HRDOW
L0004975	0	0.26316E-02	443167.3	3772654.8	347.6	3.66	9.30	3.40	YES	HRDOW
L0004976	0	0.26316E-02	443175.8	3772643.4	347.5	3.66	9.30	3.40	YES	HRDOW
L0004977	0	0.26316E-02	443187.7	3772651.4	347.2	3.66	9.30	3.40	YES	HRDOW
L0004978	0	0.26316E-02	443187.3	3772671.4	347.6	3.66	9.30	3.40	YES	HRDOW
L0004979	0	0.26316E-02	443186.9	3772691.4	347.5	3.66	9.30	3.40	YES	HRDOW
L0004980	0	0.26316E-02	443186.6	3772711.3	347.4	3.66	9.30	3.40	YES	HRDOW
L0004981	0	0.26316E-02	443187.3	3772730.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004982	0	0.26316E-02	443207.3	3772730.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004983	0	0.26316E-02	443207.5	3772711.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004984	0	0.26316E-02	443206.5	3772691.5	347.4	3.66	9.30	3.40	YES	HRDOW
L0004985	0	0.26316E-02	443205.4	3772671.5	347.2	3.66	9.30	3.40	YES	HRDOW
L0004986	0	0.26316E-02	443204.4	3772651.5	346.8	3.66	9.30	3.40	YES	HRDOW
L0004987	0	0.26316E-02	443203.3	3772631.5	346.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004988	0	0.26316E-02	443215.6	3772626.1	345.9	3.66	9.30	3.40	YES	HRDOW
L0004989	0	0.26316E-02	443224.9	3772637.7	345.8	3.66	9.30	3.40	YES	HRDOW
L0004990	0	0.26316E-02	443224.2	3772657.7	346.4	3.66	9.30	3.40	YES	HRDOW
L0004991	0	0.26316E-02	443223.6	3772677.7	346.8	3.66	9.30	3.40	YES	HRDOW
L0004992	0	0.26316E-02	443222.9	3772697.7	347.1	3.66	9.30	3.40	YES	HRDOW
L0004993	0	0.26316E-02	443222.2	3772717.7	347.3	3.66	9.30	3.40	YES	HRDOW
L0004994	0	0.26316E-02	443236.6	3772724.2	347.1	3.66	9.30	3.40	YES	HRDOW
L0004995	0	0.26316E-02	443241.7	3772710.0	346.7	3.66	9.30	3.40	YES	HRDOW
L0004996	0	0.26316E-02	443241.4	3772690.0	346.5	3.66	9.30	3.40	YES	HRDOW
L0004997	0	0.26316E-02	443241.1	3772670.0	346.2	3.66	9.30	3.40	YES	HRDOW
L0004998	0	0.26316E-02	443240.8	3772650.0	345.9	3.66	9.30	3.40	YES	HRDOW
L0004999	0	0.26316E-02	443240.5	3772630.0	345.2	3.66	9.30	3.40	YES	HRDOW
L0005000	0	0.26316E-02	443253.0	3772624.0	345.0	3.66	9.30	3.40	YES	HRDOW
L0005001	0	0.26316E-02	443256.3	3772641.0	345.4	3.66	9.30	3.40	YES	HRDOW
L0005002	0	0.26316E-02	443256.3	3772661.0	345.7	3.66	9.30	3.40	YES	HRDOW
L0005003	0	0.26316E-02	443256.3	3772681.0	345.9	3.66	9.30	3.40	YES	HRDOW
L0005004	0	0.26316E-02	443256.3	3772701.0	346.3	3.66	9.30	3.40	YES	HRDOW
L0005005	0	0.26316E-02	443256.3	3772721.0	346.6	3.66	9.30	3.40	YES	HRDOW
L0005006	0	0.26316E-02	443256.3	3772741.0	347.2	3.66	9.30	3.40	YES	HRDOW
L0005007	0	0.26316E-02	443256.3	3772761.0	347.3	3.66	9.30	3.40	YES	HRDOW
L0005008	0	0.26316E-02	443256.3	3772781.0	347.7	3.66	9.30	3.40	YES	HRDOW
L0005009	0	0.26316E-02	443256.3	3772801.0	348.1	3.66	9.30	3.40	YES	HRDOW
L0005010	0	0.26316E-02	443256.3	3772821.0	348.4	3.66	9.30	3.40	YES	HRDOW
L0005011	0	0.26316E-02	443256.3	3772841.0	348.9	3.66	9.30	3.40	YES	HRDOW
L0005012	0	0.26316E-02	443256.3	3772861.0	349.3	3.66	9.30	3.40	YES	HRDOW
L0005013	0	0.26316E-02	443256.3	3772881.0	349.8	3.66	9.30	3.40	YES	HRDOW
L0005014	0	0.26316E-02	443256.3	3772901.0	350.2	3.66	9.30	3.40	YES	HRDOW
L0005015	0	0.26316E-02	443263.1	3772914.2	350.4	3.66	9.30	3.40	YES	HRDOW
L0005016	0	0.26316E-02	443277.7	3772908.9	350.1	3.66	9.30	3.40	YES	HRDOW
L0005017	0	0.26316E-02	443277.5	3772888.9	349.7	3.66	9.30	3.40	YES	HRDOW
L0005018	0	0.26316E-02	443277.3	3772868.9	349.2	3.66	9.30	3.40	YES	HRDOW
L0005019	0	0.26316E-02	443277.1	3772848.9	348.8	3.66	9.30	3.40	YES	HRDOW
L0005020	0	0.26316E-02	443276.9	3772828.9	348.5	3.66	9.30	3.40	YES	HRDOW
L0005021	0	0.26316E-02	443276.6	3772808.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0005022	0	0.26316E-02	443276.4	3772788.9	347.6	3.66	9.30	3.40	YES	HRDOW
L0005023	0	0.26316E-02	443276.2	3772768.9	347.2	3.66	9.30	3.40	YES	HRDOW
L0005024	0	0.26316E-02	443276.0	3772748.9	346.9	3.66	9.30	3.40	YES	HRDOW
L0005025	0	0.26316E-02	443275.8	3772728.9	346.7	3.66	9.30	3.40	YES	HRDOW
L0005026	0	0.26316E-02	443275.5	3772708.9	346.2	3.66	9.30	3.40	YES	HRDOW
L0005027	0	0.26316E-02	443275.3	3772688.9	345.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005028	0	0.26316E-02	443275.1	3772668.9	345.5	3.66	9.30	3.40	YES	HRDOW
L0005029	0	0.26316E-02	443274.9	3772648.9	345.3	3.66	9.30	3.40	YES	HRDOW
L0005030	0	0.26316E-02	443274.7	3772628.9	345.1	3.66	9.30	3.40	YES	HRDOW
L0005031	0	0.26316E-02	443290.0	3772624.8	345.2	3.66	9.30	3.40	YES	HRDOW
L0005032	0	0.26316E-02	443300.9	3772634.2	345.2	3.66	9.30	3.40	YES	HRDOW
L0005033	0	0.26316E-02	443300.8	3772654.2	344.9	3.66	9.30	3.40	YES	HRDOW
L0005034	0	0.26316E-02	443300.8	3772674.2	345.3	3.66	9.30	3.40	YES	HRDOW
L0005035	0	0.26316E-02	443300.7	3772694.2	345.8	3.66	9.30	3.40	YES	HRDOW
L0005036	0	0.26316E-02	443300.7	3772714.2	346.1	3.66	9.30	3.40	YES	HRDOW
L0005037	0	0.26316E-02	443300.6	3772734.2	346.5	3.66	9.30	3.40	YES	HRDOW
L0005038	0	0.26316E-02	443300.5	3772754.2	346.7	3.66	9.30	3.40	YES	HRDOW
L0005039	0	0.26316E-02	443300.5	3772774.2	347.1	3.66	9.30	3.40	YES	HRDOW
L0005040	0	0.26316E-02	443300.4	3772794.2	347.5	3.66	9.30	3.40	YES	HRDOW
L0005041	0	0.26316E-02	443300.4	3772814.2	348.0	3.66	9.30	3.40	YES	HRDOW
L0005042	0	0.26316E-02	443300.3	3772834.2	348.4	3.66	9.30	3.40	YES	HRDOW
L0005043	0	0.26316E-02	443300.3	3772854.2	348.7	3.66	9.30	3.40	YES	HRDOW
L0005044	0	0.26316E-02	443300.2	3772874.2	349.1	3.66	9.30	3.40	YES	HRDOW
L0005045	0	0.26316E-02	443300.2	3772894.2	349.6	3.66	9.30	3.40	YES	HRDOW
L0005046	0	0.26316E-02	443300.1	3772914.2	349.9	3.66	9.30	3.40	YES	HRDOW
L0005047	0	0.26316E-02	443316.1	3772918.2	349.7	3.66	9.30	3.40	YES	HRDOW
L0005048	0	0.26316E-02	443321.6	3772903.7	349.5	3.66	9.30	3.40	YES	HRDOW
L0005049	0	0.26316E-02	443321.5	3772883.7	349.0	3.66	9.30	3.40	YES	HRDOW
L0005050	0	0.26316E-02	443321.5	3772863.7	348.7	3.66	9.30	3.40	YES	HRDOW
L0005051	0	0.26316E-02	443321.4	3772843.7	348.3	3.66	9.30	3.40	YES	HRDOW
L0005052	0	0.26316E-02	443321.3	3772823.7	348.0	3.66	9.30	3.40	YES	HRDOW
L0005053	0	0.26316E-02	443321.3	3772803.7	347.7	3.66	9.30	3.40	YES	HRDOW
L0005054	0	0.26316E-02	443321.2	3772783.7	347.2	3.66	9.30	3.40	YES	HRDOW
L0005055	0	0.26316E-02	443321.2	3772763.7	346.8	3.66	9.30	3.40	YES	HRDOW
L0005056	0	0.26316E-02	443321.1	3772743.7	346.5	3.66	9.30	3.40	YES	HRDOW
L0005057	0	0.26316E-02	443321.1	3772723.7	346.0	3.66	9.30	3.40	YES	HRDOW
L0005058	0	0.26316E-02	443321.0	3772703.7	345.8	3.66	9.30	3.40	YES	HRDOW
L0005059	0	0.26316E-02	443321.0	3772683.7	345.4	3.66	9.30	3.40	YES	HRDOW
L0005060	0	0.26316E-02	443320.9	3772663.7	344.8	3.66	9.30	3.40	YES	HRDOW
L0005061	0	0.26316E-02	443320.8	3772643.7	344.6	3.66	9.30	3.40	YES	HRDOW
L0005062	0	0.26316E-02	443327.8	3772630.9	344.8	3.66	9.30	3.40	YES	HRDOW
L0005063	0	0.26316E-02	443346.3	3772633.0	344.6	3.66	9.30	3.40	YES	HRDOW
L0005064	0	0.26316E-02	443346.1	3772653.0	344.7	3.66	9.30	3.40	YES	HRDOW
L0005065	0	0.26316E-02	443345.8	3772672.9	345.1	3.66	9.30	3.40	YES	HRDOW
L0005066	0	0.26316E-02	443345.6	3772692.9	345.4	3.66	9.30	3.40	YES	HRDOW
L0005067	0	0.26316E-02	443345.4	3772712.9	345.7	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005068	0	0.26316E-02	443345.2	3772732.9	346.1	3.66	9.30	3.40	YES	HRDOW
L0005069	0	0.26316E-02	443344.9	3772752.9	346.5	3.66	9.30	3.40	YES	HRDOW
L0005070	0	0.26316E-02	443344.7	3772772.9	346.9	3.66	9.30	3.40	YES	HRDOW
L0005071	0	0.26316E-02	443344.5	3772792.9	347.3	3.66	9.30	3.40	YES	HRDOW
L0005072	0	0.26316E-02	443344.3	3772812.9	347.5	3.66	9.30	3.40	YES	HRDOW
L0005073	0	0.26316E-02	443344.1	3772832.9	347.9	3.66	9.30	3.40	YES	HRDOW
L0005074	0	0.26316E-02	443343.8	3772852.9	348.2	3.66	9.30	3.40	YES	HRDOW
L0005075	0	0.26316E-02	443343.6	3772872.9	348.5	3.66	9.30	3.40	YES	HRDOW
L0005076	0	0.26316E-02	443343.4	3772892.9	348.8	3.66	9.30	3.40	YES	HRDOW
L0005077	0	0.26316E-02	443343.2	3772912.9	349.1	3.66	9.30	3.40	YES	HRDOW
L0005078	0	0.26316E-02	443357.8	3772917.2	348.9	3.66	9.30	3.40	YES	HRDOW
L0005079	0	0.26316E-02	443367.7	3772906.6	348.5	3.66	9.30	3.40	YES	HRDOW
L0005080	0	0.26316E-02	443367.5	3772886.6	348.2	3.66	9.30	3.40	YES	HRDOW
L0005081	0	0.26316E-02	443367.4	3772866.6	347.9	3.66	9.30	3.40	YES	HRDOW
L0005082	0	0.26316E-02	443367.2	3772846.6	347.6	3.66	9.30	3.40	YES	HRDOW
L0005083	0	0.26316E-02	443367.0	3772826.6	347.3	3.66	9.30	3.40	YES	HRDOW
L0005084	0	0.26316E-02	443366.9	3772806.6	347.0	3.66	9.30	3.40	YES	HRDOW
L0005085	0	0.26316E-02	443366.7	3772786.6	346.7	3.66	9.30	3.40	YES	HRDOW
L0005086	0	0.26316E-02	443366.5	3772766.6	346.4	3.66	9.30	3.40	YES	HRDOW
L0005087	0	0.26316E-02	443366.4	3772746.6	346.1	3.66	9.30	3.40	YES	HRDOW
L0005088	0	0.26316E-02	443366.2	3772726.6	345.7	3.66	9.30	3.40	YES	HRDOW
L0005089	0	0.26316E-02	443366.0	3772706.6	345.5	3.66	9.30	3.40	YES	HRDOW
L0005090	0	0.26316E-02	443365.9	3772686.6	345.3	3.66	9.30	3.40	YES	HRDOW
L0005091	0	0.26316E-02	443365.7	3772666.6	344.9	3.66	9.30	3.40	YES	HRDOW
L0005092	0	0.26316E-02	443365.5	3772646.6	344.5	3.66	9.30	3.40	YES	HRDOW
L0005093	0	0.26316E-02	443368.7	3772630.1	344.1	3.66	9.30	3.40	YES	HRDOW
L0005094	0	0.26316E-02	443388.7	3772631.3	344.1	3.66	9.30	3.40	YES	HRDOW
L0005095	0	0.26316E-02	443391.6	3772648.4	344.5	3.66	9.30	3.40	YES	HRDOW
L0005096	0	0.26316E-02	443391.6	3772668.4	344.8	3.66	9.30	3.40	YES	HRDOW
L0005097	0	0.26316E-02	443391.5	3772688.4	345.1	3.66	9.30	3.40	YES	HRDOW
L0005098	0	0.26316E-02	443391.5	3772708.4	345.3	3.66	9.30	3.40	YES	HRDOW
L0005099	0	0.26316E-02	443391.4	3772728.4	345.3	3.66	9.30	3.40	YES	HRDOW
L0005100	0	0.26316E-02	443391.4	3772748.4	345.6	3.66	9.30	3.40	YES	HRDOW
L0005101	0	0.26316E-02	443391.3	3772768.4	345.8	3.66	9.30	3.40	YES	HRDOW
L0005102	0	0.26316E-02	443391.3	3772788.4	346.1	3.66	9.30	3.40	YES	HRDOW
L0005103	0	0.26316E-02	443391.2	3772808.4	346.5	3.66	9.30	3.40	YES	HRDOW
L0005104	0	0.26316E-02	443391.1	3772828.4	346.8	3.66	9.30	3.40	YES	HRDOW
L0005105	0	0.26316E-02	443391.1	3772848.4	347.1	3.66	9.30	3.40	YES	HRDOW
L0005106	0	0.26316E-02	443391.0	3772868.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0005107	0	0.26316E-02	443391.0	3772888.4	347.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005108	0	0.26316E-02	443390.9	3772908.4	348.1	3.66	9.30	3.40	YES	HRDOW
L0005109	0	0.26316E-02	443401.2	3772918.2	348.1	3.66	9.30	3.40	YES	HRDOW
L0005110	0	0.26316E-02	443414.8	3772911.8	347.9	3.66	9.30	3.40	YES	HRDOW
L0005111	0	0.26316E-02	443414.7	3772891.8	347.5	3.66	9.30	3.40	YES	HRDOW
L0005112	0	0.26316E-02	443414.7	3772871.8	347.3	3.66	9.30	3.40	YES	HRDOW
L0005113	0	0.26316E-02	443414.6	3772851.8	346.8	3.66	9.30	3.40	YES	HRDOW
L0005114	0	0.26316E-02	443414.5	3772831.8	346.5	3.66	9.30	3.40	YES	HRDOW
L0005115	0	0.26316E-02	443414.5	3772811.8	346.2	3.66	9.30	3.40	YES	HRDOW
L0005116	0	0.26316E-02	443414.4	3772791.8	345.8	3.66	9.30	3.40	YES	HRDOW
L0005117	0	0.26316E-02	443414.4	3772771.8	345.4	3.66	9.30	3.40	YES	HRDOW
L0005118	0	0.26316E-02	443414.3	3772751.8	345.2	3.66	9.30	3.40	YES	HRDOW
L0005119	0	0.26316E-02	443414.3	3772731.8	344.9	3.66	9.30	3.40	YES	HRDOW
L0005120	0	0.26316E-02	443414.2	3772711.8	344.9	3.66	9.30	3.40	YES	HRDOW
L0005121	0	0.26316E-02	443414.2	3772691.8	344.5	3.66	9.30	3.40	YES	HRDOW
L0005122	0	0.26316E-02	443414.1	3772671.8	344.2	3.66	9.30	3.40	YES	HRDOW
L0005123	0	0.26316E-02	443414.1	3772651.8	344.1	3.66	9.30	3.40	YES	HRDOW
L0005124	0	0.26316E-02	443414.0	3772631.8	343.9	3.66	9.30	3.40	YES	HRDOW
L0005125	0	0.26316E-02	443429.7	3772627.5	343.8	3.66	9.30	3.40	YES	HRDOW
L0005126	0	0.26316E-02	443440.9	3772636.1	343.7	3.66	9.30	3.40	YES	HRDOW
L0005127	0	0.26316E-02	443440.7	3772656.1	343.1	3.66	9.30	3.40	YES	HRDOW
L0005128	0	0.26316E-02	443440.4	3772676.1	342.8	3.66	9.30	3.40	YES	HRDOW
L0005129	0	0.26316E-02	443440.1	3772696.1	343.0	3.66	9.30	3.40	YES	HRDOW
L0005130	0	0.26316E-02	443439.8	3772716.1	344.3	3.66	9.30	3.40	YES	HRDOW
L0005131	0	0.26316E-02	443439.6	3772736.1	344.7	3.66	9.30	3.40	YES	HRDOW
L0005132	0	0.26316E-02	443439.3	3772756.1	345.1	3.66	9.30	3.40	YES	HRDOW
L0005133	0	0.26316E-02	443439.0	3772776.1	345.5	3.66	9.30	3.40	YES	HRDOW
L0005134	0	0.26316E-02	443438.7	3772796.1	345.9	3.66	9.30	3.40	YES	HRDOW
L0005135	0	0.26316E-02	443438.5	3772816.1	346.2	3.66	9.30	3.40	YES	HRDOW
L0005136	0	0.26316E-02	443438.2	3772836.1	346.6	3.66	9.30	3.40	YES	HRDOW
L0005137	0	0.26316E-02	443437.9	3772856.1	346.9	3.66	9.30	3.40	YES	HRDOW
L0005138	0	0.26316E-02	443437.6	3772876.1	347.2	3.66	9.30	3.40	YES	HRDOW
L0005139	0	0.26316E-02	443437.4	3772896.1	347.7	3.66	9.30	3.40	YES	HRDOW
L0005140	0	0.26316E-02	443437.1	3772916.1	348.0	3.66	9.30	3.40	YES	HRDOW
L0005141	0	0.26316E-02	443455.8	3772916.8	347.9	3.66	9.30	3.40	YES	HRDOW
L0005142	0	0.26316E-02	443463.3	3772904.2	347.5	3.66	9.30	3.40	YES	HRDOW
L0005143	0	0.26316E-02	443463.3	3772884.2	347.1	3.66	9.30	3.40	YES	HRDOW
L0005144	0	0.26316E-02	443463.2	3772864.2	346.9	3.66	9.30	3.40	YES	HRDOW
L0005145	0	0.26316E-02	443463.2	3772844.2	346.6	3.66	9.30	3.40	YES	HRDOW
L0005146	0	0.26316E-02	443463.1	3772824.2	346.2	3.66	9.30	3.40	YES	HRDOW
L0005147	0	0.26316E-02	443463.1	3772804.2	345.9	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005148	0	0.26316E-02	443463.0	3772784.2	345.5	3.66	9.30	3.40	YES	HRDOW
L0005149	0	0.26316E-02	443462.9	3772764.2	345.2	3.66	9.30	3.40	YES	HRDOW
L0005150	0	0.26316E-02	443462.9	3772744.2	344.7	3.66	9.30	3.40	YES	HRDOW
L0005151	0	0.26316E-02	443462.8	3772724.2	344.4	3.66	9.30	3.40	YES	HRDOW
L0005152	0	0.26316E-02	443462.8	3772704.2	343.3	3.66	9.30	3.40	YES	HRDOW
L0005153	0	0.26316E-02	443462.7	3772684.2	342.8	3.66	9.30	3.40	YES	HRDOW
L0005154	0	0.26316E-02	443462.7	3772664.2	342.9	3.66	9.30	3.40	YES	HRDOW
L0005155	0	0.26316E-02	443462.6	3772644.2	343.3	3.66	9.30	3.40	YES	HRDOW
L0005156	0	0.26316E-02	443463.5	3772625.1	343.5	3.66	9.30	3.40	YES	HRDOW
L0005157	0	0.26316E-02	443483.5	3772625.1	343.4	3.66	9.30	3.40	YES	HRDOW
L0005158	0	0.26316E-02	443483.7	3772644.5	343.1	3.66	9.30	3.40	YES	HRDOW
L0005159	0	0.26316E-02	443483.3	3772664.5	342.9	3.66	9.30	3.40	YES	HRDOW
L0005160	0	0.26316E-02	443482.9	3772684.5	342.9	3.66	9.30	3.40	YES	HRDOW
L0005161	0	0.26316E-02	443482.5	3772704.5	343.3	3.66	9.30	3.40	YES	HRDOW
L0005162	0	0.26316E-02	443482.1	3772724.5	344.4	3.66	9.30	3.40	YES	HRDOW
L0005163	0	0.26316E-02	443481.7	3772744.5	344.6	3.66	9.30	3.40	YES	HRDOW
L0005164	0	0.26316E-02	443481.3	3772764.5	345.1	3.66	9.30	3.40	YES	HRDOW
L0005165	0	0.26316E-02	443480.9	3772784.5	345.5	3.66	9.30	3.40	YES	HRDOW
L0005166	0	0.26316E-02	443480.5	3772804.5	345.8	3.66	9.30	3.40	YES	HRDOW
L0005167	0	0.26316E-02	443480.0	3772824.5	346.1	3.66	9.30	3.40	YES	HRDOW
L0005168	0	0.26316E-02	443479.6	3772844.4	346.5	3.66	9.30	3.40	YES	HRDOW
L0005169	0	0.26316E-02	443479.2	3772864.4	346.7	3.66	9.30	3.40	YES	HRDOW
L0005170	0	0.26316E-02	443478.8	3772884.4	346.8	3.66	9.30	3.40	YES	HRDOW
L0005171	0	0.26316E-02	443481.5	3772901.3	347.2	3.66	9.30	3.40	YES	HRDOW
L0005172	0	0.26316E-02	443494.5	3772893.6	346.8	3.66	9.30	3.40	YES	HRDOW
L0005173	0	0.26316E-02	443494.9	3772873.6	346.5	3.66	9.30	3.40	YES	HRDOW
L0005174	0	0.26316E-02	443495.2	3772853.6	346.4	3.66	9.30	3.40	YES	HRDOW
L0005175	0	0.26316E-02	443495.6	3772833.6	346.0	3.66	9.30	3.40	YES	HRDOW
L0005176	0	0.26316E-02	443495.9	3772813.6	345.8	3.66	9.30	3.40	YES	HRDOW
L0005177	0	0.26316E-02	443496.3	3772793.6	345.5	3.66	9.30	3.40	YES	HRDOW
L0005178	0	0.26316E-02	443496.6	3772773.6	345.1	3.66	9.30	3.40	YES	HRDOW
L0005179	0	0.26316E-02	443497.0	3772753.6	344.7	3.66	9.30	3.40	YES	HRDOW
L0005180	0	0.26316E-02	443497.3	3772733.6	344.4	3.66	9.30	3.40	YES	HRDOW
L0005181	0	0.26316E-02	443497.7	3772713.7	343.9	3.66	9.30	3.40	YES	HRDOW
L0005182	0	0.26316E-02	443498.0	3772693.7	342.8	3.66	9.30	3.40	YES	HRDOW
L0005183	0	0.26316E-02	443498.4	3772673.7	342.9	3.66	9.30	3.40	YES	HRDOW
L0005184	0	0.26316E-02	443498.7	3772653.7	342.9	3.66	9.30	3.40	YES	HRDOW
L0005185	0	0.26316E-02	443499.1	3772633.7	343.1	3.66	9.30	3.40	YES	HRDOW
L0005186	0	0.26316E-02	443511.4	3772626.3	342.9	3.66	9.30	3.40	YES	HRDOW
L0005187	0	0.26316E-02	443523.0	3772635.0	342.6	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005188	0	0.26316E-02	443522.6	3772655.0	342.7	3.66	9.30	3.40	YES	HRDOW
L0005189	0	0.26316E-02	443522.3	3772675.0	342.8	3.66	9.30	3.40	YES	HRDOW
L0005190	0	0.26316E-02	443521.9	3772695.0	342.8	3.66	9.30	3.40	YES	HRDOW
L0005191	0	0.26316E-02	443521.6	3772715.0	343.7	3.66	9.30	3.40	YES	HRDOW
L0005192	0	0.26316E-02	443521.3	3772735.0	344.3	3.66	9.30	3.40	YES	HRDOW
L0005193	0	0.26316E-02	443520.9	3772755.0	344.5	3.66	9.30	3.40	YES	HRDOW
L0005194	0	0.26316E-02	443520.6	3772775.0	344.8	3.66	9.30	3.40	YES	HRDOW
L0005195	0	0.26316E-02	443520.2	3772795.0	345.1	3.66	9.30	3.40	YES	HRDOW
L0005196	0	0.26316E-02	443520.3	3772814.6	345.5	3.66	9.30	3.40	YES	HRDOW
L0005197	0	0.26316E-02	443540.3	3772814.6	345.2	3.66	9.30	3.40	YES	HRDOW
L0005198	0	0.26316E-02	443546.9	3772801.4	344.9	3.66	9.30	3.40	YES	HRDOW
L0005199	0	0.26316E-02	443546.8	3772781.4	344.6	3.66	9.30	3.40	YES	HRDOW
L0005200	0	0.26316E-02	443546.8	3772761.4	344.4	3.66	9.30	3.40	YES	HRDOW
L0005201	0	0.26316E-02	443546.7	3772741.4	344.0	3.66	9.30	3.40	YES	HRDOW
L0005202	0	0.26316E-02	443546.6	3772721.4	343.7	3.66	9.30	3.40	YES	HRDOW
L0005203	0	0.26316E-02	443546.5	3772701.4	342.9	3.66	9.30	3.40	YES	HRDOW
L0005204	0	0.26316E-02	443546.4	3772681.4	342.8	3.66	9.30	3.40	YES	HRDOW
L0005205	0	0.26316E-02	443546.3	3772661.4	342.6	3.66	9.30	3.40	YES	HRDOW
L0005206	0	0.26316E-02	443546.2	3772641.4	342.5	3.66	9.30	3.40	YES	HRDOW
L0005207	0	0.26316E-02	443560.3	3772635.5	342.4	3.66	9.30	3.40	YES	HRDOW
L0005208	0	0.26316E-02	443573.9	3772641.6	342.4	3.66	9.30	3.40	YES	HRDOW
L0005209	0	0.26316E-02	443573.4	3772661.6	342.6	3.66	9.30	3.40	YES	HRDOW
L0005210	0	0.26316E-02	443572.8	3772681.6	342.8	3.66	9.30	3.40	YES	HRDOW
L0005211	0	0.26316E-02	443572.3	3772701.6	342.8	3.66	9.30	3.40	YES	HRDOW
L0005212	0	0.26316E-02	443571.8	3772721.6	343.2	3.66	9.30	3.40	YES	HRDOW
L0005213	0	0.26316E-02	443571.2	3772741.6	343.7	3.66	9.30	3.40	YES	HRDOW
L0005214	0	0.26316E-02	443578.3	3772753.1	343.7	3.66	9.30	3.40	YES	HRDOW
L0005215	0	0.26316E-02	443593.1	3772746.0	343.4	3.66	9.30	3.40	YES	HRDOW
L0005216	0	0.26316E-02	443593.0	3772726.0	343.1	3.66	9.30	3.40	YES	HRDOW
L0005217	0	0.26316E-02	443592.9	3772706.0	342.8	3.66	9.30	3.40	YES	HRDOW
L0005218	0	0.26316E-02	443592.8	3772686.0	343.0	3.66	9.30	3.40	YES	HRDOW
L0005219	0	0.26316E-02	443592.7	3772666.0	342.6	3.66	9.30	3.40	YES	HRDOW
L0005220	0	0.26316E-02	443592.5	3772646.0	342.4	3.66	9.30	3.40	YES	HRDOW
L0005221	0	0.26316E-02	443592.4	3772626.0	342.2	3.66	9.30	3.40	YES	HRDOW
L0004702	0	0.71429E-02	443273.2	3772838.5	348.7	3.66	9.30	3.40	YES	HRDOW
L0004703	0	0.71429E-02	443293.2	3772838.4	348.5	3.66	9.30	3.40	YES	HRDOW
L0004704	0	0.71429E-02	443313.2	3772838.2	348.3	3.66	9.30	3.40	YES	HRDOW
L0004705	0	0.71429E-02	443333.2	3772838.1	348.1	3.66	9.30	3.40	YES	HRDOW
L0004706	0	0.71429E-02	443353.2	3772838.0	347.8	3.66	9.30	3.40	YES	HRDOW
L0004707	0	0.71429E-02	443373.2	3772837.8	347.4	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004708	0	0.71429E-02	443393.2	3772837.7	346.9	3.66	9.30	3.40	YES	HRDOW
L0004709	0	0.71429E-02	443413.2	3772837.6	346.6	3.66	9.30	3.40	YES	HRDOW
L0004710	0	0.71429E-02	443433.2	3772837.5	346.6	3.66	9.30	3.40	YES	HRDOW
L0004711	0	0.71429E-02	443453.2	3772837.3	346.5	3.66	9.30	3.40	YES	HRDOW
L0004712	0	0.71429E-02	443473.2	3772837.2	346.4	3.66	9.30	3.40	YES	HRDOW
L0004713	0	0.71429E-02	443493.2	3772837.1	346.1	3.66	9.30	3.40	YES	HRDOW
L0004714	0	0.71429E-02	443512.1	3772834.6	345.9	3.66	9.30	3.40	YES	HRDOW
L0004715	0	0.71429E-02	443524.0	3772818.6	345.5	3.66	9.30	3.40	YES	HRDOW
L0004716	0	0.71429E-02	443536.0	3772802.6	345.1	3.66	9.30	3.40	YES	HRDOW
L0004717	0	0.71429E-02	443548.0	3772786.6	344.7	3.66	9.30	3.40	YES	HRDOW
L0004718	0	0.71429E-02	443552.5	3772768.1	344.4	3.66	9.30	3.40	YES	HRDOW
L0004719	0	0.71429E-02	443552.3	3772748.1	344.0	3.66	9.30	3.40	YES	HRDOW
L0004720	0	0.71429E-02	443552.2	3772728.1	343.8	3.66	9.30	3.40	YES	HRDOW
L0004721	0	0.71429E-02	443552.1	3772708.1	343.2	3.66	9.30	3.40	YES	HRDOW
L0004722	0	0.71429E-02	443551.9	3772688.1	342.8	3.66	9.30	3.40	YES	HRDOW
L0004723	0	0.71429E-02	443551.8	3772668.1	342.7	3.66	9.30	3.40	YES	HRDOW
L0004724	0	0.71429E-02	443542.0	3772671.2	342.8	3.66	9.30	3.40	YES	HRDOW
L0004725	0	0.71429E-02	443528.8	3772679.3	342.9	3.66	9.30	3.40	YES	HRDOW
L0004726	0	0.71429E-02	443508.8	3772679.3	342.8	3.66	9.30	3.40	YES	HRDOW
L0004727	0	0.71429E-02	443488.8	3772679.4	342.9	3.66	9.30	3.40	YES	HRDOW
L0004728	0	0.71429E-02	443468.8	3772679.5	342.8	3.66	9.30	3.40	YES	HRDOW
L0004729	0	0.71429E-02	443448.8	3772679.5	342.8	3.66	9.30	3.40	YES	HRDOW
L0004730	0	0.71429E-02	443428.8	3772679.6	342.9	3.66	9.30	3.40	YES	HRDOW
L0004731	0	0.71429E-02	443408.8	3772679.6	344.8	3.66	9.30	3.40	YES	HRDOW
L0004732	0	0.71429E-02	443388.8	3772679.7	345.0	3.66	9.30	3.40	YES	HRDOW
L0004733	0	0.71429E-02	443368.8	3772679.8	345.2	3.66	9.30	3.40	YES	HRDOW
L0004734	0	0.71429E-02	443348.8	3772679.8	345.2	3.66	9.30	3.40	YES	HRDOW
L0004735	0	0.71429E-02	443328.8	3772679.9	345.1	3.66	9.30	3.40	YES	HRDOW
L0004736	0	0.71429E-02	443308.8	3772679.9	345.4	3.66	9.30	3.40	YES	HRDOW
L0004737	0	0.71429E-02	443288.8	3772680.0	345.6	3.66	9.30	3.40	YES	HRDOW
L0004738	0	0.71429E-02	443268.8	3772680.0	345.7	3.66	9.30	3.40	YES	HRDOW
L0004739	0	0.71429E-02	443267.3	3772698.7	346.1	3.66	9.30	3.40	YES	HRDOW
L0004740	0	0.71429E-02	443267.2	3772718.7	346.5	3.66	9.30	3.40	YES	HRDOW
L0004741	0	0.71429E-02	443267.1	3772738.7	347.0	3.66	9.30	3.40	YES	HRDOW
L0004742	0	0.71429E-02	443267.0	3772758.7	347.1	3.66	9.30	3.40	YES	HRDOW
L0004743	0	0.71429E-02	443266.9	3772778.7	347.5	3.66	9.30	3.40	YES	HRDOW
L0004744	0	0.71429E-02	443266.8	3772798.7	347.9	3.66	9.30	3.40	YES	HRDOW
L0004745	0	0.71429E-02	443266.7	3772818.7	348.3	3.66	9.30	3.40	YES	HRDOW
L0004746	0	0.71429E-02	443273.9	3772830.3	348.5	3.66	9.30	3.40	YES	HRDOW
L0004747	0	0.71429E-02	443282.9	3772818.6	348.2	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004748	0	0.71429E-02	443282.1	3772798.6	347.8	3.66	9.30	3.40	YES	HRDOW
L0004749	0	0.71429E-02	443281.3	3772778.6	347.4	3.66	9.30	3.40	YES	HRDOW
L0004750	0	0.71429E-02	443280.5	3772758.6	347.0	3.66	9.30	3.40	YES	HRDOW
L0004751	0	0.71429E-02	443279.7	3772738.6	346.8	3.66	9.30	3.40	YES	HRDOW
L0004752	0	0.71429E-02	443278.9	3772718.6	346.4	3.66	9.30	3.40	YES	HRDOW
L0004753	0	0.71429E-02	443278.0	3772698.7	346.0	3.66	9.30	3.40	YES	HRDOW
L0004754	0	0.71429E-02	443291.9	3772692.8	345.8	3.66	9.30	3.40	YES	HRDOW
L0004755	0	0.71429E-02	443298.5	3772706.2	346.0	3.66	9.30	3.40	YES	HRDOW
L0004756	0	0.71429E-02	443298.5	3772726.2	346.3	3.66	9.30	3.40	YES	HRDOW
L0004757	0	0.71429E-02	443298.5	3772746.2	346.7	3.66	9.30	3.40	YES	HRDOW
L0004758	0	0.71429E-02	443298.5	3772766.2	347.0	3.66	9.30	3.40	YES	HRDOW
L0004759	0	0.71429E-02	443298.5	3772786.2	347.4	3.66	9.30	3.40	YES	HRDOW
L0004760	0	0.71429E-02	443298.5	3772806.2	347.8	3.66	9.30	3.40	YES	HRDOW
L0004761	0	0.71429E-02	443298.5	3772826.2	348.2	3.66	9.30	3.40	YES	HRDOW
L0004762	0	0.71429E-02	443311.8	3772833.0	348.3	3.66	9.30	3.40	YES	HRDOW
L0004763	0	0.71429E-02	443319.4	3772820.4	348.0	3.66	9.30	3.40	YES	HRDOW
L0004764	0	0.71429E-02	443319.6	3772800.4	347.6	3.66	9.30	3.40	YES	HRDOW
L0004765	0	0.71429E-02	443319.8	3772780.4	347.1	3.66	9.30	3.40	YES	HRDOW
L0004766	0	0.71429E-02	443320.0	3772760.4	346.7	3.66	9.30	3.40	YES	HRDOW
L0004767	0	0.71429E-02	443320.3	3772740.4	346.4	3.66	9.30	3.40	YES	HRDOW
L0004768	0	0.71429E-02	443320.5	3772720.4	345.9	3.66	9.30	3.40	YES	HRDOW
L0004769	0	0.71429E-02	443320.7	3772700.4	345.7	3.66	9.30	3.40	YES	HRDOW
L0004770	0	0.71429E-02	443333.2	3772692.8	345.4	3.66	9.30	3.40	YES	HRDOW
L0004771	0	0.71429E-02	443345.3	3772700.5	345.5	3.66	9.30	3.40	YES	HRDOW
L0004772	0	0.71429E-02	443344.7	3772720.5	345.8	3.66	9.30	3.40	YES	HRDOW
L0004773	0	0.71429E-02	443344.2	3772740.5	346.3	3.66	9.30	3.40	YES	HRDOW
L0004774	0	0.71429E-02	443343.6	3772760.4	346.6	3.66	9.30	3.40	YES	HRDOW
L0004775	0	0.71429E-02	443343.1	3772780.4	347.1	3.66	9.30	3.40	YES	HRDOW
L0004776	0	0.71429E-02	443342.5	3772800.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004777	0	0.71429E-02	443342.0	3772820.4	347.7	3.66	9.30	3.40	YES	HRDOW
L0004778	0	0.71429E-02	443345.0	3772836.7	348.0	3.66	9.30	3.40	YES	HRDOW
L0004779	0	0.71429E-02	443361.4	3772831.9	347.5	3.66	9.30	3.40	YES	HRDOW
L0004780	0	0.71429E-02	443361.4	3772811.9	347.2	3.66	9.30	3.40	YES	HRDOW
L0004781	0	0.71429E-02	443361.4	3772791.9	346.9	3.66	9.30	3.40	YES	HRDOW
L0004782	0	0.71429E-02	443361.4	3772771.9	346.6	3.66	9.30	3.40	YES	HRDOW
L0004783	0	0.71429E-02	443361.4	3772751.9	346.3	3.66	9.30	3.40	YES	HRDOW
L0004784	0	0.71429E-02	443361.4	3772731.9	345.9	3.66	9.30	3.40	YES	HRDOW
L0004785	0	0.71429E-02	443361.4	3772711.9	345.6	3.66	9.30	3.40	YES	HRDOW
L0004786	0	0.71429E-02	443361.4	3772691.9	345.4	3.66	9.30	3.40	YES	HRDOW
L0004787	0	0.71429E-02	443373.6	3772685.1	345.2	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004788	0	0.71429E-02	443387.6	3772692.2	345.2	3.66	9.30	3.40	YES	HRDOW
L0004789	0	0.71429E-02	443387.1	3772712.2	345.4	3.66	9.30	3.40	YES	HRDOW
L0004790	0	0.71429E-02	443386.7	3772732.2	345.5	3.66	9.30	3.40	YES	HRDOW
L0004791	0	0.71429E-02	443386.2	3772752.2	345.8	3.66	9.30	3.40	YES	HRDOW
L0004792	0	0.71429E-02	443385.8	3772772.2	346.0	3.66	9.30	3.40	YES	HRDOW
L0004793	0	0.71429E-02	443385.3	3772792.2	346.4	3.66	9.30	3.40	YES	HRDOW
L0004794	0	0.71429E-02	443384.9	3772812.2	346.7	3.66	9.30	3.40	YES	HRDOW
L0004795	0	0.71429E-02	443387.7	3772829.1	346.9	3.66	9.30	3.40	YES	HRDOW
L0004796	0	0.71429E-02	443405.2	3772827.3	346.5	3.66	9.30	3.40	YES	HRDOW
L0004797	0	0.71429E-02	443405.0	3772807.3	346.2	3.66	9.30	3.40	YES	HRDOW
L0004798	0	0.71429E-02	443404.7	3772787.3	345.8	3.66	9.30	3.40	YES	HRDOW
L0004799	0	0.71429E-02	443404.5	3772767.3	345.5	3.66	9.30	3.40	YES	HRDOW
L0004800	0	0.71429E-02	443404.2	3772747.3	345.3	3.66	9.30	3.40	YES	HRDOW
L0004801	0	0.71429E-02	443404.0	3772727.3	345.1	3.66	9.30	3.40	YES	HRDOW
L0004802	0	0.71429E-02	443403.8	3772707.3	345.1	3.66	9.30	3.40	YES	HRDOW
L0004803	0	0.71429E-02	443413.1	3772695.9	344.6	3.66	9.30	3.40	YES	HRDOW
L0004804	0	0.71429E-02	443429.8	3772697.5	343.2	3.66	9.30	3.40	YES	HRDOW
L0004805	0	0.71429E-02	443429.4	3772717.5	344.4	3.66	9.30	3.40	YES	HRDOW
L0004806	0	0.71429E-02	443428.9	3772737.5	344.8	3.66	9.30	3.40	YES	HRDOW
L0004807	0	0.71429E-02	443428.4	3772757.4	345.1	3.66	9.30	3.40	YES	HRDOW
L0004808	0	0.71429E-02	443427.9	3772777.4	345.5	3.66	9.30	3.40	YES	HRDOW
L0004809	0	0.71429E-02	443427.5	3772797.4	345.9	3.66	9.30	3.40	YES	HRDOW
L0004810	0	0.71429E-02	443427.0	3772817.4	346.3	3.66	9.30	3.40	YES	HRDOW
L0004811	0	0.71429E-02	443435.2	3772829.2	346.5	3.66	9.30	3.40	YES	HRDOW
L0004812	0	0.71429E-02	443453.8	3772828.4	346.4	3.66	9.30	3.40	YES	HRDOW
L0004813	0	0.71429E-02	443453.6	3772808.4	346.0	3.66	9.30	3.40	YES	HRDOW
L0004814	0	0.71429E-02	443453.3	3772788.4	345.6	3.66	9.30	3.40	YES	HRDOW
L0004815	0	0.71429E-02	443453.1	3772768.4	345.3	3.66	9.30	3.40	YES	HRDOW
L0004816	0	0.71429E-02	443452.9	3772748.4	344.8	3.66	9.30	3.40	YES	HRDOW
L0004817	0	0.71429E-02	443452.6	3772728.4	344.5	3.66	9.30	3.40	YES	HRDOW
L0004818	0	0.71429E-02	443452.4	3772708.4	343.7	3.66	9.30	3.40	YES	HRDOW
L0004819	0	0.71429E-02	443455.0	3772691.2	342.8	3.66	9.30	3.40	YES	HRDOW
L0004820	0	0.71429E-02	443475.0	3772691.2	342.9	3.66	9.30	3.40	YES	HRDOW
L0004821	0	0.71429E-02	443478.4	3772707.7	343.6	3.66	9.30	3.40	YES	HRDOW
L0004822	0	0.71429E-02	443478.3	3772727.7	344.5	3.66	9.30	3.40	YES	HRDOW
L0004823	0	0.71429E-02	443478.2	3772747.7	344.7	3.66	9.30	3.40	YES	HRDOW
L0004824	0	0.71429E-02	443478.0	3772767.7	345.2	3.66	9.30	3.40	YES	HRDOW
L0004825	0	0.71429E-02	443477.9	3772787.7	345.6	3.66	9.30	3.40	YES	HRDOW
L0004826	0	0.71429E-02	443477.8	3772807.7	345.9	3.66	9.30	3.40	YES	HRDOW
L0004827	0	0.71429E-02	443478.8	3772826.6	346.2	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004828	0	0.71429E-02	443498.4	3772826.2	345.9	3.66	9.30	3.40	YES	HRDOW
L0004829	0	0.71429E-02	443498.2	3772806.2	345.7	3.66	9.30	3.40	YES	HRDOW
L0004830	0	0.71429E-02	443497.9	3772786.2	345.3	3.66	9.30	3.40	YES	HRDOW
L0004831	0	0.71429E-02	443497.7	3772766.2	344.9	3.66	9.30	3.40	YES	HRDOW
L0004832	0	0.71429E-02	443497.4	3772746.2	344.6	3.66	9.30	3.40	YES	HRDOW
L0004833	0	0.71429E-02	443497.2	3772726.2	344.3	3.66	9.30	3.40	YES	HRDOW
L0004834	0	0.71429E-02	443496.9	3772706.2	343.4	3.66	9.30	3.40	YES	HRDOW
L0004835	0	0.71429E-02	443506.5	3772696.9	342.8	3.66	9.30	3.40	YES	HRDOW
L0004836	0	0.71429E-02	443521.6	3772703.3	343.1	3.66	9.30	3.40	YES	HRDOW
L0004837	0	0.71429E-02	443521.9	3772723.3	344.0	3.66	9.30	3.40	YES	HRDOW
L0004838	0	0.71429E-02	443522.2	3772743.3	344.4	3.66	9.30	3.40	YES	HRDOW
L0004839	0	0.71429E-02	443522.5	3772763.3	344.6	3.66	9.30	3.40	YES	HRDOW
L0004840	0	0.71429E-02	443522.8	3772783.3	344.9	3.66	9.30	3.40	YES	HRDOW
L0004841	0	0.71429E-02	443523.0	3772803.3	345.2	3.66	9.30	3.40	YES	HRDOW
L0004655	0	0.21277E-01	443082.3	3772721.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004656	0	0.21277E-01	443102.3	3772721.1	347.4	3.66	9.30	3.40	YES	HRDOW
L0004657	0	0.21277E-01	443122.3	3772720.9	347.5	3.66	9.30	3.40	YES	HRDOW
L0004658	0	0.21277E-01	443142.3	3772720.6	347.5	3.66	9.30	3.40	YES	HRDOW
L0004659	0	0.21277E-01	443162.3	3772720.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004660	0	0.21277E-01	443182.3	3772720.1	347.4	3.66	9.30	3.40	YES	HRDOW
L0004661	0	0.21277E-01	443195.9	3772713.3	347.4	3.66	9.30	3.40	YES	HRDOW
L0004662	0	0.21277E-01	443183.3	3772706.4	347.5	3.66	9.30	3.40	YES	HRDOW
L0004663	0	0.21277E-01	443163.3	3772706.5	347.5	3.66	9.30	3.40	YES	HRDOW
L0004664	0	0.21277E-01	443143.3	3772706.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004665	0	0.21277E-01	443123.3	3772706.9	347.6	3.66	9.30	3.40	YES	HRDOW
L0004666	0	0.21277E-01	443103.3	3772707.0	347.3	3.66	9.30	3.40	YES	HRDOW
L0004667	0	0.21277E-01	443083.3	3772707.2	347.2	3.66	9.30	3.40	YES	HRDOW
L0004668	0	0.21277E-01	443079.1	3772692.7	347.2	3.66	9.30	3.40	YES	HRDOW
L0004669	0	0.21277E-01	443097.6	3772691.7	347.1	3.66	9.30	3.40	YES	HRDOW
L0004670	0	0.21277E-01	443117.6	3772692.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004671	0	0.21277E-01	443137.6	3772693.1	347.8	3.66	9.30	3.40	YES	HRDOW
L0004672	0	0.21277E-01	443157.6	3772693.8	347.6	3.66	9.30	3.40	YES	HRDOW
L0004673	0	0.21277E-01	443177.6	3772694.5	347.5	3.66	9.30	3.40	YES	HRDOW
L0004674	0	0.21277E-01	443193.0	3772690.2	347.5	3.66	9.30	3.40	YES	HRDOW
L0004675	0	0.21277E-01	443187.1	3772677.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004676	0	0.21277E-01	443167.1	3772678.1	347.5	3.66	9.30	3.40	YES	HRDOW
L0004677	0	0.21277E-01	443147.1	3772679.0	347.7	3.66	9.30	3.40	YES	HRDOW
L0004678	0	0.21277E-01	443127.1	3772679.9	347.6	3.66	9.30	3.40	YES	HRDOW
L0004679	0	0.21277E-01	443107.1	3772680.8	347.2	3.66	9.30	3.40	YES	HRDOW
L0004680	0	0.21277E-01	443087.1	3772681.7	347.0	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004681	0	0.21277E-01	443085.0	3772668.1	346.9	3.66	9.30	3.40	YES	HRDOW
L0004682	0	0.21277E-01	443105.0	3772667.7	347.3	3.66	9.30	3.40	YES	HRDOW
L0004683	0	0.21277E-01	443125.0	3772667.3	347.6	3.66	9.30	3.40	YES	HRDOW
L0004684	0	0.21277E-01	443145.0	3772667.0	347.7	3.66	9.30	3.40	YES	HRDOW
L0004685	0	0.21277E-01	443165.0	3772666.6	347.5	3.66	9.30	3.40	YES	HRDOW
L0004686	0	0.21277E-01	443185.0	3772666.3	347.5	3.66	9.30	3.40	YES	HRDOW
L0004687	0	0.21277E-01	443189.4	3772656.0	347.3	3.66	9.30	3.40	YES	HRDOW
L0004688	0	0.21277E-01	443169.4	3772656.6	347.6	3.66	9.30	3.40	YES	HRDOW
L0004689	0	0.21277E-01	443149.4	3772657.2	347.6	3.66	9.30	3.40	YES	HRDOW
L0004690	0	0.21277E-01	443129.4	3772657.8	347.6	3.66	9.30	3.40	YES	HRDOW
L0004691	0	0.21277E-01	443109.4	3772658.4	347.5	3.66	9.30	3.40	YES	HRDOW
L0004692	0	0.21277E-01	443094.4	3772653.8	346.7	3.66	9.30	3.40	YES	HRDOW
L0004693	0	0.21277E-01	443106.8	3772646.5	347.2	3.66	9.30	3.40	YES	HRDOW
L0004694	0	0.21277E-01	443126.7	3772647.2	347.5	3.66	9.30	3.40	YES	HRDOW
L0004695	0	0.21277E-01	443146.7	3772647.9	347.6	3.66	9.30	3.40	YES	HRDOW
L0004696	0	0.21277E-01	443166.7	3772648.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004697	0	0.21277E-01	443176.9	3772639.9	347.5	3.66	9.30	3.40	YES	HRDOW
L0004698	0	0.21277E-01	443159.8	3772636.8	347.6	3.66	9.30	3.40	YES	HRDOW
L0004699	0	0.21277E-01	443139.8	3772636.8	347.5	3.66	9.30	3.40	YES	HRDOW
L0004700	0	0.21277E-01	443119.8	3772636.8	347.2	3.66	9.30	3.40	YES	HRDOW
L0004701	0	0.21277E-01	443099.8	3772636.8	346.8	3.66	9.30	3.40	YES	HRDOW
L0004584	0	0.14085E-01	442900.9	3772813.9	352.6	3.66	9.30	3.40	YES	HRDOW
L0004585	0	0.14085E-01	442920.9	3772814.1	352.5	3.66	9.30	3.40	YES	HRDOW
L0004586	0	0.14085E-01	442940.9	3772814.3	352.4	3.66	9.30	3.40	YES	HRDOW
L0004587	0	0.14085E-01	442960.9	3772814.5	352.2	3.66	9.30	3.40	YES	HRDOW
L0004588	0	0.14085E-01	442980.9	3772814.7	352.0	3.66	9.30	3.40	YES	HRDOW
L0004589	0	0.14085E-01	443000.5	3772814.5	351.8	3.66	9.30	3.40	YES	HRDOW
L0004590	0	0.14085E-01	442991.5	3772802.6	351.6	3.66	9.30	3.40	YES	HRDOW
L0004591	0	0.14085E-01	442971.5	3772802.7	351.8	3.66	9.30	3.40	YES	HRDOW
L0004592	0	0.14085E-01	442951.5	3772802.8	352.0	3.66	9.30	3.40	YES	HRDOW
L0004593	0	0.14085E-01	442931.5	3772802.9	352.2	3.66	9.30	3.40	YES	HRDOW
L0004594	0	0.14085E-01	442911.5	3772803.0	352.3	3.66	9.30	3.40	YES	HRDOW
L0004595	0	0.14085E-01	442893.9	3772800.7	352.4	3.66	9.30	3.40	YES	HRDOW
L0004596	0	0.14085E-01	442903.1	3772790.2	352.0	3.66	9.30	3.40	YES	HRDOW
L0004597	0	0.14085E-01	442923.1	3772791.0	352.0	3.66	9.30	3.40	YES	HRDOW
L0004598	0	0.14085E-01	442943.1	3772791.8	351.8	3.66	9.30	3.40	YES	HRDOW
L0004599	0	0.14085E-01	442963.1	3772792.5	351.5	3.66	9.30	3.40	YES	HRDOW
L0004600	0	0.14085E-01	442983.1	3772793.3	351.4	3.66	9.30	3.40	YES	HRDOW
L0004601	0	0.14085E-01	442978.0	3772780.1	351.1	3.66	9.30	3.40	YES	HRDOW
L0004602	0	0.14085E-01	442958.0	3772780.0	350.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004603	0	0.14085E-01	442938.0	3772779.9	351.3	3.66	9.30	3.40	YES	HRDOW
L0004604	0	0.14085E-01	442918.0	3772779.7	351.4	3.66	9.30	3.40	YES	HRDOW
L0004605	0	0.14085E-01	442898.0	3772779.6	351.7	3.66	9.30	3.40	YES	HRDOW
L0004606	0	0.14085E-01	442897.3	3772760.3	351.1	3.66	9.30	3.40	YES	HRDOW
L0004607	0	0.14085E-01	442916.1	3772760.0	350.9	3.66	9.30	3.40	YES	HRDOW
L0004608	0	0.14085E-01	442936.1	3772760.9	350.5	3.66	9.30	3.40	YES	HRDOW
L0004609	0	0.14085E-01	442956.1	3772761.9	350.4	3.66	9.30	3.40	YES	HRDOW
L0004610	0	0.14085E-01	442976.1	3772762.8	350.7	3.66	9.30	3.40	YES	HRDOW
L0004611	0	0.14085E-01	442979.5	3772746.4	350.2	3.66	9.30	3.40	YES	HRDOW
L0004612	0	0.14085E-01	442960.1	3772745.5	350.2	3.66	9.30	3.40	YES	HRDOW
L0004613	0	0.14085E-01	442940.1	3772745.2	350.1	3.66	9.30	3.40	YES	HRDOW
L0004614	0	0.14085E-01	442920.1	3772744.8	350.7	3.66	9.30	3.40	YES	HRDOW
L0004615	0	0.14085E-01	442900.1	3772744.5	351.2	3.66	9.30	3.40	YES	HRDOW
L0004616	0	0.14085E-01	442898.3	3772727.2	351.0	3.66	9.30	3.40	YES	HRDOW
L0004617	0	0.14085E-01	442917.5	3772726.8	350.3	3.66	9.30	3.40	YES	HRDOW
L0004618	0	0.14085E-01	442937.4	3772727.3	349.8	3.66	9.30	3.40	YES	HRDOW
L0004619	0	0.14085E-01	442957.4	3772727.8	349.6	3.66	9.30	3.40	YES	HRDOW
L0004620	0	0.14085E-01	442976.6	3772727.4	349.3	3.66	9.30	3.40	YES	HRDOW
L0004621	0	0.14085E-01	442973.8	3772710.2	349.1	3.66	9.30	3.40	YES	HRDOW
L0004622	0	0.14085E-01	442953.8	3772710.5	349.3	3.66	9.30	3.40	YES	HRDOW
L0004623	0	0.14085E-01	442933.8	3772710.7	349.6	3.66	9.30	3.40	YES	HRDOW
L0004624	0	0.14085E-01	442913.8	3772711.0	350.1	3.66	9.30	3.40	YES	HRDOW
L0004625	0	0.14085E-01	442901.0	3772703.3	350.3	3.66	9.30	3.40	YES	HRDOW
L0004626	0	0.14085E-01	442906.6	3772690.3	350.2	3.66	9.30	3.40	YES	HRDOW
L0004627	0	0.14085E-01	442926.6	3772690.8	349.7	3.66	9.30	3.40	YES	HRDOW
L0004628	0	0.14085E-01	442946.6	3772691.3	349.2	3.66	9.30	3.40	YES	HRDOW
L0004629	0	0.14085E-01	442966.6	3772691.7	348.9	3.66	9.30	3.40	YES	HRDOW
L0004630	0	0.14085E-01	442980.2	3772685.5	348.8	3.66	9.30	3.40	YES	HRDOW
L0004631	0	0.14085E-01	442972.5	3772673.8	348.8	3.66	9.30	3.40	YES	HRDOW
L0004632	0	0.14085E-01	442952.5	3772674.5	349.0	3.66	9.30	3.40	YES	HRDOW
L0004633	0	0.14085E-01	442932.5	3772675.2	349.4	3.66	9.30	3.40	YES	HRDOW
L0004634	0	0.14085E-01	442912.6	3772675.9	349.9	3.66	9.30	3.40	YES	HRDOW
L0004635	0	0.14085E-01	442897.8	3772671.2	350.1	3.66	9.30	3.40	YES	HRDOW
L0004636	0	0.14085E-01	442906.5	3772660.0	349.8	3.66	9.30	3.40	YES	HRDOW
L0004637	0	0.14085E-01	442926.5	3772660.5	349.4	3.66	9.30	3.40	YES	HRDOW
L0004638	0	0.14085E-01	442946.5	3772661.0	349.0	3.66	9.30	3.40	YES	HRDOW
L0004639	0	0.14085E-01	442966.4	3772661.5	348.8	3.66	9.30	3.40	YES	HRDOW
L0004640	0	0.14085E-01	442976.6	3772653.5	348.7	3.66	9.30	3.40	YES	HRDOW
L0004641	0	0.14085E-01	442959.1	3772650.8	348.8	3.66	9.30	3.40	YES	HRDOW
L0004642	0	0.14085E-01	442939.1	3772651.2	349.2	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004643	0	0.14085E-01	442919.1	3772651.6	349.4	3.66	9.30	3.40	YES	HRDOW
L0004644	0	0.14085E-01	442899.1	3772652.0	349.7	3.66	9.30	3.40	YES	HRDOW
L0004645	0	0.14085E-01	442908.2	3772642.0	349.4	3.66	9.30	3.40	YES	HRDOW
L0004646	0	0.14085E-01	442928.2	3772642.5	349.2	3.66	9.30	3.40	YES	HRDOW
L0004647	0	0.14085E-01	442948.2	3772643.1	349.0	3.66	9.30	3.40	YES	HRDOW
L0004648	0	0.14085E-01	442968.2	3772643.7	348.6	3.66	9.30	3.40	YES	HRDOW
L0004649	0	0.14085E-01	442988.2	3772644.2	348.4	3.66	9.30	3.40	YES	HRDOW
L0004650	0	0.14085E-01	443002.0	3772639.0	348.3	3.66	9.30	3.40	YES	HRDOW
L0004651	0	0.14085E-01	442986.6	3772634.1	348.3	3.66	9.30	3.40	YES	HRDOW
L0004652	0	0.14085E-01	442966.6	3772634.4	348.5	3.66	9.30	3.40	YES	HRDOW
L0004653	0	0.14085E-01	442946.6	3772634.7	348.8	3.66	9.30	3.40	YES	HRDOW
L0004654	0	0.14085E-01	442926.6	3772635.0	349.1	3.66	9.30	3.40	YES	HRDOW
L0004287	0	0.33670E-02	443008.7	3772832.0	352.2	3.66	9.30	3.40	YES	HRDOW
L0004288	0	0.33670E-02	442988.7	3772832.1	352.4	3.66	9.30	3.40	YES	HRDOW
L0004289	0	0.33670E-02	442968.7	3772832.3	352.6	3.66	9.30	3.40	YES	HRDOW
L0004290	0	0.33670E-02	442948.7	3772832.4	352.8	3.66	9.30	3.40	YES	HRDOW
L0004291	0	0.33670E-02	442928.7	3772832.5	353.0	3.66	9.30	3.40	YES	HRDOW
L0004292	0	0.33670E-02	442908.7	3772832.7	353.0	3.66	9.30	3.40	YES	HRDOW
L0004293	0	0.33670E-02	442888.7	3772832.8	353.4	3.66	9.30	3.40	YES	HRDOW
L0004294	0	0.33670E-02	442868.7	3772832.9	353.6	3.66	9.30	3.40	YES	HRDOW
L0004295	0	0.33670E-02	442868.8	3772813.2	353.1	3.66	9.30	3.40	YES	HRDOW
L0004296	0	0.33670E-02	442869.2	3772793.2	352.6	3.66	9.30	3.40	YES	HRDOW
L0004297	0	0.33670E-02	442869.5	3772773.2	352.0	3.66	9.30	3.40	YES	HRDOW
L0004298	0	0.33670E-02	442869.9	3772753.2	351.5	3.66	9.30	3.40	YES	HRDOW
L0004299	0	0.33670E-02	442870.2	3772733.2	351.3	3.66	9.30	3.40	YES	HRDOW
L0004300	0	0.33670E-02	442870.6	3772713.2	351.3	3.66	9.30	3.40	YES	HRDOW
L0004301	0	0.33670E-02	442870.9	3772693.2	350.9	3.66	9.30	3.40	YES	HRDOW
L0004302	0	0.33670E-02	442871.3	3772673.2	350.5	3.66	9.30	3.40	YES	HRDOW
L0004303	0	0.33670E-02	442871.6	3772653.2	350.1	3.66	9.30	3.40	YES	HRDOW
L0004304	0	0.33670E-02	442867.8	3772637.5	349.8	3.66	9.30	3.40	YES	HRDOW
L0004305	0	0.33670E-02	442861.2	3772651.6	350.3	3.66	9.30	3.40	YES	HRDOW
L0004306	0	0.33670E-02	442860.6	3772671.6	350.6	3.66	9.30	3.40	YES	HRDOW
L0004307	0	0.33670E-02	442860.0	3772691.5	350.9	3.66	9.30	3.40	YES	HRDOW
L0004308	0	0.33670E-02	442859.4	3772711.5	351.2	3.66	9.30	3.40	YES	HRDOW
L0004309	0	0.33670E-02	442858.8	3772731.5	351.7	3.66	9.30	3.40	YES	HRDOW
L0004310	0	0.33670E-02	442858.2	3772751.5	351.9	3.66	9.30	3.40	YES	HRDOW
L0004311	0	0.33670E-02	442857.6	3772771.5	352.3	3.66	9.30	3.40	YES	HRDOW
L0004312	0	0.33670E-02	442857.0	3772791.5	352.8	3.66	9.30	3.40	YES	HRDOW
L0004313	0	0.33670E-02	442856.4	3772811.5	353.3	3.66	9.30	3.40	YES	HRDOW
L0004314	0	0.33670E-02	442855.8	3772831.5	353.9	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004315	0	0.33670E-02	442843.0	3772828.1	354.1	3.66	9.30	3.40	YES	HRDOW
L0004316	0	0.33670E-02	442843.0	3772808.1	353.5	3.66	9.30	3.40	YES	HRDOW
L0004317	0	0.33670E-02	442842.9	3772788.1	353.0	3.66	9.30	3.40	YES	HRDOW
L0004318	0	0.33670E-02	442842.9	3772768.1	352.6	3.66	9.30	3.40	YES	HRDOW
L0004319	0	0.33670E-02	442842.9	3772748.1	352.2	3.66	9.30	3.40	YES	HRDOW
L0004320	0	0.33670E-02	442842.8	3772728.1	351.8	3.66	9.30	3.40	YES	HRDOW
L0004321	0	0.33670E-02	442842.8	3772708.1	351.3	3.66	9.30	3.40	YES	HRDOW
L0004322	0	0.33670E-02	442842.7	3772688.1	351.1	3.66	9.30	3.40	YES	HRDOW
L0004323	0	0.33670E-02	442842.7	3772668.1	350.8	3.66	9.30	3.40	YES	HRDOW
L0004324	0	0.33670E-02	442842.6	3772648.1	350.5	3.66	9.30	3.40	YES	HRDOW
L0004325	0	0.33670E-02	442842.6	3772628.1	350.0	3.66	9.30	3.40	YES	HRDOW
L0004326	0	0.33670E-02	442854.6	3772620.3	349.7	3.66	9.30	3.40	YES	HRDOW
L0004327	0	0.33670E-02	442874.6	3772620.6	349.4	3.66	9.30	3.40	YES	HRDOW
L0004328	0	0.33670E-02	442889.2	3772615.7	349.1	3.66	9.30	3.40	YES	HRDOW
L0004329	0	0.33670E-02	442909.2	3772615.6	348.8	3.66	9.30	3.40	YES	HRDOW
L0004330	0	0.33670E-02	442929.2	3772615.5	348.5	3.66	9.30	3.40	YES	HRDOW
L0004331	0	0.33670E-02	442949.2	3772615.3	348.4	3.66	9.30	3.40	YES	HRDOW
L0004332	0	0.33670E-02	442969.2	3772615.2	348.1	3.66	9.30	3.40	YES	HRDOW
L0004333	0	0.33670E-02	442989.2	3772615.0	348.0	3.66	9.30	3.40	YES	HRDOW
L0004334	0	0.33670E-02	443009.2	3772614.9	347.8	3.66	9.30	3.40	YES	HRDOW
L0004335	0	0.33670E-02	443024.1	3772619.5	347.9	3.66	9.30	3.40	YES	HRDOW
L0004336	0	0.33670E-02	443022.6	3772639.5	348.2	3.66	9.30	3.40	YES	HRDOW
L0004337	0	0.33670E-02	443021.0	3772659.4	348.4	3.66	9.30	3.40	YES	HRDOW
L0004338	0	0.33670E-02	443005.9	3772664.2	348.6	3.66	9.30	3.40	YES	HRDOW
L0004339	0	0.33670E-02	443006.2	3772684.2	348.6	3.66	9.30	3.40	YES	HRDOW
L0004340	0	0.33670E-02	443006.4	3772704.2	348.7	3.66	9.30	3.40	YES	HRDOW
L0004341	0	0.33670E-02	443006.6	3772724.2	348.9	3.66	9.30	3.40	YES	HRDOW
L0004342	0	0.33670E-02	443006.9	3772744.2	349.9	3.66	9.30	3.40	YES	HRDOW
L0004343	0	0.33670E-02	443007.1	3772764.2	350.5	3.66	9.30	3.40	YES	HRDOW
L0004344	0	0.33670E-02	443007.4	3772784.2	350.9	3.66	9.30	3.40	YES	HRDOW
L0004345	0	0.33670E-02	443022.6	3772787.0	350.7	3.66	9.30	3.40	YES	HRDOW
L0004346	0	0.33670E-02	443022.9	3772806.9	351.0	3.66	9.30	3.40	YES	HRDOW
L0004347	0	0.33670E-02	443029.8	3772820.4	350.9	3.66	9.30	3.40	YES	HRDOW
L0004348	0	0.33670E-02	443041.6	3772813.1	350.4	3.66	9.30	3.40	YES	HRDOW
L0004349	0	0.33670E-02	443040.1	3772793.1	350.2	3.66	9.30	3.40	YES	HRDOW
L0004350	0	0.33670E-02	443038.7	3772773.2	350.1	3.66	9.30	3.40	YES	HRDOW
L0004351	0	0.33670E-02	443020.1	3772771.3	350.5	3.66	9.30	3.40	YES	HRDOW
L0004352	0	0.33670E-02	443019.8	3772751.3	350.0	3.66	9.30	3.40	YES	HRDOW
L0004353	0	0.33670E-02	443019.4	3772731.3	348.8	3.66	9.30	3.40	YES	HRDOW
L0004354	0	0.33670E-02	443019.1	3772711.3	348.6	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004355	0	0.33670E-02	443018.8	3772691.3	348.5	3.66	9.30	3.40	YES	HRDOW
L0004356	0	0.33670E-02	443028.1	3772681.3	348.4	3.66	9.30	3.40	YES	HRDOW
L0004357	0	0.33670E-02	443028.9	3772701.0	348.5	3.66	9.30	3.40	YES	HRDOW
L0004358	0	0.33670E-02	443029.3	3772721.0	348.4	3.66	9.30	3.40	YES	HRDOW
L0004359	0	0.33670E-02	443029.8	3772741.0	349.3	3.66	9.30	3.40	YES	HRDOW
L0004360	0	0.33670E-02	443030.2	3772761.0	350.1	3.66	9.30	3.40	YES	HRDOW
L0004361	0	0.33670E-02	443040.7	3772762.6	349.9	3.66	9.30	3.40	YES	HRDOW
L0004362	0	0.33670E-02	443040.8	3772742.6	349.3	3.66	9.30	3.40	YES	HRDOW
L0004363	0	0.33670E-02	443040.9	3772722.6	348.1	3.66	9.30	3.40	YES	HRDOW
L0004364	0	0.33670E-02	443041.1	3772702.6	348.4	3.66	9.30	3.40	YES	HRDOW
L0004365	0	0.33670E-02	443041.2	3772682.6	348.3	3.66	9.30	3.40	YES	HRDOW
L0004366	0	0.33670E-02	443041.3	3772662.6	348.1	3.66	9.30	3.40	YES	HRDOW
L0004367	0	0.33670E-02	443041.5	3772642.6	347.9	3.66	9.30	3.40	YES	HRDOW
L0004368	0	0.33670E-02	443041.6	3772622.6	347.7	3.66	9.30	3.40	YES	HRDOW
L0004369	0	0.33670E-02	443058.2	3772618.2	347.3	3.66	9.30	3.40	YES	HRDOW
L0004370	0	0.33670E-02	443072.7	3772622.5	346.9	3.66	9.30	3.40	YES	HRDOW
L0004371	0	0.33670E-02	443069.7	3772640.2	347.0	3.66	9.30	3.40	YES	HRDOW
L0004372	0	0.33670E-02	443054.4	3772644.9	347.5	3.66	9.30	3.40	YES	HRDOW
L0004373	0	0.33670E-02	443054.8	3772664.9	347.8	3.66	9.30	3.40	YES	HRDOW
L0004374	0	0.33670E-02	443055.2	3772684.9	348.0	3.66	9.30	3.40	YES	HRDOW
L0004375	0	0.33670E-02	443055.6	3772704.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0004376	0	0.33670E-02	443056.0	3772724.8	347.8	3.66	9.30	3.40	YES	HRDOW
L0004377	0	0.33670E-02	443062.6	3772738.3	348.5	3.66	9.30	3.40	YES	HRDOW
L0004378	0	0.33670E-02	443082.6	3772737.7	348.3	3.66	9.30	3.40	YES	HRDOW
L0004379	0	0.33670E-02	443102.6	3772737.1	348.1	3.66	9.30	3.40	YES	HRDOW
L0004380	0	0.33670E-02	443122.6	3772736.5	348.1	3.66	9.30	3.40	YES	HRDOW
L0004381	0	0.33670E-02	443142.6	3772735.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0004382	0	0.33670E-02	443162.5	3772735.3	348.1	3.66	9.30	3.40	YES	HRDOW
L0004383	0	0.33670E-02	443182.5	3772734.7	348.0	3.66	9.30	3.40	YES	HRDOW
L0004384	0	0.33670E-02	443202.5	3772734.1	347.9	3.66	9.30	3.40	YES	HRDOW
L0004385	0	0.33670E-02	443216.1	3772727.4	347.5	3.66	9.30	3.40	YES	HRDOW
L0004386	0	0.33670E-02	443215.7	3772707.4	347.3	3.66	9.30	3.40	YES	HRDOW
L0004387	0	0.33670E-02	443215.3	3772687.4	347.2	3.66	9.30	3.40	YES	HRDOW
L0004388	0	0.33670E-02	443214.9	3772667.4	346.8	3.66	9.30	3.40	YES	HRDOW
L0004389	0	0.33670E-02	443214.5	3772647.4	346.3	3.66	9.30	3.40	YES	HRDOW
L0004390	0	0.33670E-02	443205.9	3772634.7	346.6	3.66	9.30	3.40	YES	HRDOW
L0004391	0	0.33670E-02	443195.1	3772623.3	347.1	3.66	9.30	3.40	YES	HRDOW
L0004392	0	0.33670E-02	443178.3	3772619.6	347.3	3.66	9.30	3.40	YES	HRDOW
L0004393	0	0.33670E-02	443158.3	3772619.5	347.4	3.66	9.30	3.40	YES	HRDOW
L0004394	0	0.33670E-02	443138.3	3772619.4	347.2	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004395	0	0.33670E-02	443118.3	3772619.3	347.1	3.66	9.30	3.40	YES	HRDOW
L0004396	0	0.33670E-02	443098.3	3772619.3	346.7	3.66	9.30	3.40	YES	HRDOW
L0004397	0	0.33670E-02	443091.6	3772614.4	346.6	3.66	9.30	3.40	YES	HRDOW
L0004398	0	0.33670E-02	443111.6	3772614.8	346.7	3.66	9.30	3.40	YES	HRDOW
L0004399	0	0.33670E-02	443131.6	3772615.2	346.9	3.66	9.30	3.40	YES	HRDOW
L0004400	0	0.33670E-02	443151.6	3772615.6	346.9	3.66	9.30	3.40	YES	HRDOW
L0004401	0	0.33670E-02	443171.6	3772616.1	347.0	3.66	9.30	3.40	YES	HRDOW
L0004402	0	0.33670E-02	443191.6	3772616.5	346.8	3.66	9.30	3.40	YES	HRDOW
L0004403	0	0.33670E-02	443211.6	3772616.9	345.9	3.66	9.30	3.40	YES	HRDOW
L0004404	0	0.33670E-02	443228.4	3772620.4	345.2	3.66	9.30	3.40	YES	HRDOW
L0004405	0	0.33670E-02	443228.1	3772640.4	345.8	3.66	9.30	3.40	YES	HRDOW
L0004406	0	0.33670E-02	443227.7	3772660.4	346.4	3.66	9.30	3.40	YES	HRDOW
L0004407	0	0.33670E-02	443227.4	3772680.4	346.8	3.66	9.30	3.40	YES	HRDOW
L0004408	0	0.33670E-02	443227.1	3772700.4	347.0	3.66	9.30	3.40	YES	HRDOW
L0004409	0	0.33670E-02	443226.7	3772720.4	347.2	3.66	9.30	3.40	YES	HRDOW
L0004410	0	0.33670E-02	443233.2	3772733.6	347.5	3.66	9.30	3.40	YES	HRDOW
L0004411	0	0.33670E-02	443238.5	3772748.1	347.5	3.66	9.30	3.40	YES	HRDOW
L0004412	0	0.33670E-02	443238.1	3772768.1	347.7	3.66	9.30	3.40	YES	HRDOW
L0004413	0	0.33670E-02	443237.7	3772788.1	348.1	3.66	9.30	3.40	YES	HRDOW
L0004414	0	0.33670E-02	443237.4	3772808.1	348.4	3.66	9.30	3.40	YES	HRDOW
L0004415	0	0.33670E-02	443237.0	3772828.1	348.8	3.66	9.30	3.40	YES	HRDOW
L0004416	0	0.33670E-02	443236.6	3772848.1	349.4	3.66	9.30	3.40	YES	HRDOW
L0004417	0	0.33670E-02	443236.2	3772868.1	349.8	3.66	9.30	3.40	YES	HRDOW
L0004418	0	0.33670E-02	443235.9	3772888.1	350.3	3.66	9.30	3.40	YES	HRDOW
L0004419	0	0.33670E-02	443235.5	3772908.1	350.7	3.66	9.30	3.40	YES	HRDOW
L0004420	0	0.33670E-02	443244.9	3772918.5	350.7	3.66	9.30	3.40	YES	HRDOW
L0004421	0	0.33670E-02	443264.9	3772918.6	350.4	3.66	9.30	3.40	YES	HRDOW
L0004422	0	0.33670E-02	443284.9	3772918.6	350.2	3.66	9.30	3.40	YES	HRDOW
L0004423	0	0.33670E-02	443304.9	3772918.7	349.9	3.66	9.30	3.40	YES	HRDOW
L0004424	0	0.33670E-02	443324.9	3772918.7	349.5	3.66	9.30	3.40	YES	HRDOW
L0004425	0	0.33670E-02	443344.9	3772918.7	349.1	3.66	9.30	3.40	YES	HRDOW
L0004426	0	0.33670E-02	443364.9	3772918.8	348.8	3.66	9.30	3.40	YES	HRDOW
L0004427	0	0.33670E-02	443384.9	3772918.8	348.5	3.66	9.30	3.40	YES	HRDOW
L0004428	0	0.33670E-02	443404.9	3772918.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0004429	0	0.33670E-02	443424.9	3772918.9	348.1	3.66	9.30	3.40	YES	HRDOW
L0004430	0	0.33670E-02	443444.9	3772918.9	348.0	3.66	9.30	3.40	YES	HRDOW
L0004431	0	0.33670E-02	443464.9	3772919.0	347.8	3.66	9.30	3.40	YES	HRDOW
L0004432	0	0.33670E-02	443484.9	3772919.0	347.6	3.66	9.30	3.40	YES	HRDOW
L0004433	0	0.33670E-02	443487.6	3772905.8	347.1	3.66	9.30	3.40	YES	HRDOW
L0004434	0	0.33670E-02	443467.6	3772905.7	347.5	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004435	0	0.33670E-02	443447.6	3772905.6	347.7	3.66	9.30	3.40	YES	HRDOW
L0004436	0	0.33670E-02	443427.6	3772905.6	347.9	3.66	9.30	3.40	YES	HRDOW
L0004437	0	0.33670E-02	443407.6	3772905.5	347.8	3.66	9.30	3.40	YES	HRDOW
L0004438	0	0.33670E-02	443387.6	3772905.4	348.1	3.66	9.30	3.40	YES	HRDOW
L0004439	0	0.33670E-02	443367.6	3772905.3	348.5	3.66	9.30	3.40	YES	HRDOW
L0004440	0	0.33670E-02	443347.6	3772905.2	348.9	3.66	9.30	3.40	YES	HRDOW
L0004441	0	0.33670E-02	443327.6	3772905.1	349.4	3.66	9.30	3.40	YES	HRDOW
L0004442	0	0.33670E-02	443307.6	3772905.0	349.6	3.66	9.30	3.40	YES	HRDOW
L0004443	0	0.33670E-02	443287.6	3772905.0	350.0	3.66	9.30	3.40	YES	HRDOW
L0004444	0	0.33670E-02	443267.6	3772904.9	350.2	3.66	9.30	3.40	YES	HRDOW
L0004445	0	0.33670E-02	443257.3	3772895.6	350.1	3.66	9.30	3.40	YES	HRDOW
L0004446	0	0.33670E-02	443266.0	3772884.1	349.7	3.66	9.30	3.40	YES	HRDOW
L0004447	0	0.33670E-02	443286.0	3772884.8	349.5	3.66	9.30	3.40	YES	HRDOW
L0004448	0	0.33670E-02	443306.0	3772885.5	349.3	3.66	9.30	3.40	YES	HRDOW
L0004449	0	0.33670E-02	443325.9	3772886.2	349.0	3.66	9.30	3.40	YES	HRDOW
L0004450	0	0.33670E-02	443345.9	3772886.9	348.7	3.66	9.30	3.40	YES	HRDOW
L0004451	0	0.33670E-02	443365.9	3772887.6	348.3	3.66	9.30	3.40	YES	HRDOW
L0004452	0	0.33670E-02	443385.9	3772888.3	347.8	3.66	9.30	3.40	YES	HRDOW
L0004453	0	0.33670E-02	443405.9	3772889.0	347.6	3.66	9.30	3.40	YES	HRDOW
L0004454	0	0.33670E-02	443425.9	3772889.7	347.6	3.66	9.30	3.40	YES	HRDOW
L0004455	0	0.33670E-02	443445.9	3772890.4	347.4	3.66	9.30	3.40	YES	HRDOW
L0004456	0	0.33670E-02	443465.9	3772891.1	347.1	3.66	9.30	3.40	YES	HRDOW
L0004457	0	0.33670E-02	443485.8	3772891.8	346.8	3.66	9.30	3.40	YES	HRDOW
L0004458	0	0.33670E-02	443495.9	3772880.9	346.5	3.66	9.30	3.40	YES	HRDOW
L0004459	0	0.33670E-02	443481.0	3772876.8	346.7	3.66	9.30	3.40	YES	HRDOW
L0004460	0	0.33670E-02	443461.0	3772877.1	347.0	3.66	9.30	3.40	YES	HRDOW
L0004461	0	0.33670E-02	443441.0	3772877.5	347.2	3.66	9.30	3.40	YES	HRDOW
L0004462	0	0.33670E-02	443421.0	3772877.9	347.3	3.66	9.30	3.40	YES	HRDOW
L0004463	0	0.33670E-02	443401.0	3772878.3	347.5	3.66	9.30	3.40	YES	HRDOW
L0004464	0	0.33670E-02	443381.0	3772878.6	347.8	3.66	9.30	3.40	YES	HRDOW
L0004465	0	0.33670E-02	443361.0	3772879.0	348.3	3.66	9.30	3.40	YES	HRDOW
L0004466	0	0.33670E-02	443341.0	3772879.4	348.6	3.66	9.30	3.40	YES	HRDOW
L0004467	0	0.33670E-02	443321.0	3772879.8	349.0	3.66	9.30	3.40	YES	HRDOW
L0004468	0	0.33670E-02	443301.0	3772880.1	349.2	3.66	9.30	3.40	YES	HRDOW
L0004469	0	0.33670E-02	443281.0	3772880.5	349.4	3.66	9.30	3.40	YES	HRDOW
L0004470	0	0.33670E-02	443261.2	3772880.6	349.7	3.66	9.30	3.40	YES	HRDOW
L0004471	0	0.33670E-02	443264.3	3772862.8	349.2	3.66	9.30	3.40	YES	HRDOW
L0004472	0	0.33670E-02	443284.3	3772863.0	349.0	3.66	9.30	3.40	YES	HRDOW
L0004473	0	0.33670E-02	443304.3	3772863.2	348.8	3.66	9.30	3.40	YES	HRDOW
L0004474	0	0.33670E-02	443324.3	3772863.4	348.7	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004475	0	0.33670E-02	443344.3	3772863.6	348.3	3.66	9.30	3.40	YES	HRDOW
L0004476	0	0.33670E-02	443364.3	3772863.8	347.9	3.66	9.30	3.40	YES	HRDOW
L0004477	0	0.33670E-02	443384.3	3772864.0	347.5	3.66	9.30	3.40	YES	HRDOW
L0004478	0	0.33670E-02	443404.3	3772864.2	347.2	3.66	9.30	3.40	YES	HRDOW
L0004479	0	0.33670E-02	443424.3	3772864.4	347.1	3.66	9.30	3.40	YES	HRDOW
L0004480	0	0.33670E-02	443444.3	3772864.6	346.9	3.66	9.30	3.40	YES	HRDOW
L0004481	0	0.33670E-02	443464.3	3772864.8	346.9	3.66	9.30	3.40	YES	HRDOW
L0004482	0	0.33670E-02	443484.3	3772865.0	346.7	3.66	9.30	3.40	YES	HRDOW
L0004483	0	0.33670E-02	443504.3	3772865.2	346.3	3.66	9.30	3.40	YES	HRDOW
L0004484	0	0.33670E-02	443519.1	3772854.5	346.2	3.66	9.30	3.40	YES	HRDOW
L0004485	0	0.33670E-02	443531.6	3772838.9	345.7	3.66	9.30	3.40	YES	HRDOW
L0004486	0	0.33670E-02	443544.0	3772823.2	345.2	3.66	9.30	3.40	YES	HRDOW
L0004487	0	0.33670E-02	443556.5	3772807.5	344.8	3.66	9.30	3.40	YES	HRDOW
L0004488	0	0.33670E-02	443568.9	3772791.9	344.4	3.66	9.30	3.40	YES	HRDOW
L0004489	0	0.33670E-02	443581.3	3772776.2	344.0	3.66	9.30	3.40	YES	HRDOW
L0004490	0	0.33670E-02	443593.8	3772760.6	343.7	3.66	9.30	3.40	YES	HRDOW
L0004491	0	0.33670E-02	443603.9	3772744.2	343.4	3.66	9.30	3.40	YES	HRDOW
L0004492	0	0.33670E-02	443603.7	3772724.2	343.0	3.66	9.30	3.40	YES	HRDOW
L0004493	0	0.33670E-02	443603.5	3772704.2	342.7	3.66	9.30	3.40	YES	HRDOW
L0004494	0	0.33670E-02	443603.3	3772684.2	342.7	3.66	9.30	3.40	YES	HRDOW
L0004495	0	0.33670E-02	443603.0	3772664.2	342.5	3.66	9.30	3.40	YES	HRDOW
L0004496	0	0.33670E-02	443602.8	3772644.2	342.2	3.66	9.30	3.40	YES	HRDOW
L0004497	0	0.33670E-02	443602.6	3772624.2	341.9	3.66	9.30	3.40	YES	HRDOW
L0004498	0	0.33670E-02	443592.2	3772621.9	342.1	3.66	9.30	3.40	YES	HRDOW
L0004499	0	0.33670E-02	443591.8	3772641.9	342.3	3.66	9.30	3.40	YES	HRDOW
L0004500	0	0.33670E-02	443591.3	3772661.9	342.6	3.66	9.30	3.40	YES	HRDOW
L0004501	0	0.33670E-02	443590.9	3772681.9	343.0	3.66	9.30	3.40	YES	HRDOW
L0004502	0	0.33670E-02	443590.5	3772701.9	342.8	3.66	9.30	3.40	YES	HRDOW
L0004503	0	0.33670E-02	443590.0	3772721.9	343.1	3.66	9.30	3.40	YES	HRDOW
L0004504	0	0.33670E-02	443589.6	3772741.9	343.4	3.66	9.30	3.40	YES	HRDOW
L0004505	0	0.33670E-02	443577.4	3772745.6	343.6	3.66	9.30	3.40	YES	HRDOW
L0004506	0	0.33670E-02	443576.9	3772725.6	343.2	3.66	9.30	3.40	YES	HRDOW
L0004507	0	0.33670E-02	443576.4	3772705.6	342.9	3.66	9.30	3.40	YES	HRDOW
L0004508	0	0.33670E-02	443575.9	3772685.6	342.9	3.66	9.30	3.40	YES	HRDOW
L0004509	0	0.33670E-02	443575.5	3772665.6	342.7	3.66	9.30	3.40	YES	HRDOW
L0004510	0	0.33670E-02	443575.0	3772645.6	342.5	3.66	9.30	3.40	YES	HRDOW
L0004511	0	0.33670E-02	443555.0	3772646.2	342.5	3.66	9.30	3.40	YES	HRDOW
L0004512	0	0.33670E-02	443535.0	3772646.9	342.6	3.66	9.30	3.40	YES	HRDOW
L0004513	0	0.33670E-02	443519.3	3772652.5	342.7	3.66	9.30	3.40	YES	HRDOW
L0004514	0	0.33670E-02	443503.6	3772657.7	342.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004515	0	0.33670E-02	443483.6	3772657.7	342.9	3.66	9.30	3.40	YES	HRDOW
L0004516	0	0.33670E-02	443463.6	3772657.8	342.9	3.66	9.30	3.40	YES	HRDOW
L0004517	0	0.33670E-02	443443.6	3772657.9	343.0	3.66	9.30	3.40	YES	HRDOW
L0004518	0	0.33670E-02	443423.6	3772658.0	343.3	3.66	9.30	3.40	YES	HRDOW
L0004519	0	0.33670E-02	443403.6	3772658.1	344.6	3.66	9.30	3.40	YES	HRDOW
L0004520	0	0.33670E-02	443383.6	3772658.2	344.7	3.66	9.30	3.40	YES	HRDOW
L0004521	0	0.33670E-02	443363.6	3772658.3	344.8	3.66	9.30	3.40	YES	HRDOW
L0004522	0	0.33670E-02	443343.6	3772658.3	344.7	3.66	9.30	3.40	YES	HRDOW
L0004523	0	0.33670E-02	443323.6	3772658.4	344.6	3.66	9.30	3.40	YES	HRDOW
L0004524	0	0.33670E-02	443303.6	3772658.5	344.9	3.66	9.30	3.40	YES	HRDOW
L0004525	0	0.33670E-02	443283.6	3772658.6	345.2	3.66	9.30	3.40	YES	HRDOW
L0004526	0	0.33670E-02	443267.8	3772654.8	345.4	3.66	9.30	3.40	YES	HRDOW
L0004527	0	0.33670E-02	443282.2	3772648.7	345.2	3.66	9.30	3.40	YES	HRDOW
L0004528	0	0.33670E-02	443302.2	3772648.7	344.8	3.66	9.30	3.40	YES	HRDOW
L0004529	0	0.33670E-02	443322.2	3772648.7	344.5	3.66	9.30	3.40	YES	HRDOW
L0004530	0	0.33670E-02	443342.2	3772648.7	344.6	3.66	9.30	3.40	YES	HRDOW
L0004531	0	0.33670E-02	443362.2	3772648.6	344.6	3.66	9.30	3.40	YES	HRDOW
L0004532	0	0.33670E-02	443382.2	3772648.6	344.5	3.66	9.30	3.40	YES	HRDOW
L0004533	0	0.33670E-02	443402.2	3772648.6	344.4	3.66	9.30	3.40	YES	HRDOW
L0004534	0	0.33670E-02	443422.2	3772648.5	343.6	3.66	9.30	3.40	YES	HRDOW
L0004535	0	0.33670E-02	443442.2	3772648.5	343.5	3.66	9.30	3.40	YES	HRDOW
L0004536	0	0.33670E-02	443462.2	3772648.5	343.2	3.66	9.30	3.40	YES	HRDOW
L0004537	0	0.33670E-02	443482.2	3772648.4	343.1	3.66	9.30	3.40	YES	HRDOW
L0004538	0	0.33670E-02	443502.2	3772648.4	342.9	3.66	9.30	3.40	YES	HRDOW
L0004539	0	0.33670E-02	443501.6	3772638.9	343.0	3.66	9.30	3.40	YES	HRDOW
L0004540	0	0.33670E-02	443481.6	3772639.1	343.3	3.66	9.30	3.40	YES	HRDOW
L0004541	0	0.33670E-02	443461.6	3772639.3	343.4	3.66	9.30	3.40	YES	HRDOW
L0004542	0	0.33670E-02	443441.6	3772639.5	343.7	3.66	9.30	3.40	YES	HRDOW
L0004543	0	0.33670E-02	443421.6	3772639.8	343.8	3.66	9.30	3.40	YES	HRDOW
L0004544	0	0.33670E-02	443401.6	3772640.0	344.2	3.66	9.30	3.40	YES	HRDOW
L0004545	0	0.33670E-02	443381.6	3772640.2	344.3	3.66	9.30	3.40	YES	HRDOW
L0004546	0	0.33670E-02	443361.6	3772640.4	344.4	3.66	9.30	3.40	YES	HRDOW
L0004547	0	0.33670E-02	443341.6	3772640.6	344.7	3.66	9.30	3.40	YES	HRDOW
L0004548	0	0.33670E-02	443321.6	3772640.8	344.7	3.66	9.30	3.40	YES	HRDOW
L0004549	0	0.33670E-02	443301.6	3772641.0	345.1	3.66	9.30	3.40	YES	HRDOW
L0004550	0	0.33670E-02	443281.6	3772641.2	345.2	3.66	9.30	3.40	YES	HRDOW
L0004551	0	0.33670E-02	443268.4	3772634.7	345.2	3.66	9.30	3.40	YES	HRDOW
L0004552	0	0.33670E-02	443282.8	3772629.1	345.3	3.66	9.30	3.40	YES	HRDOW
L0004553	0	0.33670E-02	443302.8	3772629.3	345.2	3.66	9.30	3.40	YES	HRDOW
L0004554	0	0.33670E-02	443322.8	3772629.5	344.8	3.66	9.30	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004555	0	0.33670E-02	443342.8	3772629.7	344.7	3.66	9.30	3.40	YES	HRDOW
L0004556	0	0.33670E-02	443362.8	3772629.9	344.1	3.66	9.30	3.40	YES	HRDOW
L0004557	0	0.33670E-02	443382.8	3772630.1	344.1	3.66	9.30	3.40	YES	HRDOW
L0004558	0	0.33670E-02	443402.8	3772630.3	344.1	3.66	9.30	3.40	YES	HRDOW
L0004559	0	0.33670E-02	443422.8	3772630.6	343.8	3.66	9.30	3.40	YES	HRDOW
L0004560	0	0.33670E-02	443442.8	3772630.8	343.7	3.66	9.30	3.40	YES	HRDOW
L0004561	0	0.33670E-02	443462.8	3772631.0	343.5	3.66	9.30	3.40	YES	HRDOW
L0004562	0	0.33670E-02	443482.8	3772631.2	343.4	3.66	9.30	3.40	YES	HRDOW
L0004563	0	0.33670E-02	443502.8	3772631.4	343.1	3.66	9.30	3.40	YES	HRDOW
L0004564	0	0.33670E-02	443522.8	3772631.6	342.7	3.66	9.30	3.40	YES	HRDOW
L0004565	0	0.33670E-02	443542.8	3772631.8	342.5	3.66	9.30	3.40	YES	HRDOW
L0004566	0	0.33670E-02	443562.8	3772632.0	342.4	3.66	9.30	3.40	YES	HRDOW
L0004567	0	0.33670E-02	443579.9	3772629.3	342.4	3.66	9.30	3.40	YES	HRDOW
L0004568	0	0.33670E-02	443569.8	3772619.6	342.4	3.66	9.30	3.40	YES	HRDOW
L0004569	0	0.33670E-02	443549.8	3772619.8	342.4	3.66	9.30	3.40	YES	HRDOW
L0004570	0	0.33670E-02	443529.8	3772620.1	342.6	3.66	9.30	3.40	YES	HRDOW
L0004571	0	0.33670E-02	443509.8	3772620.4	342.9	3.66	9.30	3.40	YES	HRDOW
L0004572	0	0.33670E-02	443489.8	3772620.6	343.3	3.66	9.30	3.40	YES	HRDOW
L0004573	0	0.33670E-02	443469.8	3772620.9	343.5	3.66	9.30	3.40	YES	HRDOW
L0004574	0	0.33670E-02	443449.8	3772621.2	343.7	3.66	9.30	3.40	YES	HRDOW
L0004575	0	0.33670E-02	443429.8	3772621.4	343.8	3.66	9.30	3.40	YES	HRDOW
L0004576	0	0.33670E-02	443409.8	3772621.7	343.9	3.66	9.30	3.40	YES	HRDOW
L0004577	0	0.33670E-02	443389.8	3772622.0	343.9	3.66	9.30	3.40	YES	HRDOW
L0004578	0	0.33670E-02	443369.8	3772622.2	343.9	3.66	9.30	3.40	YES	HRDOW
L0004579	0	0.33670E-02	443349.8	3772622.5	344.1	3.66	9.30	3.40	YES	HRDOW
L0004580	0	0.33670E-02	443329.8	3772622.8	344.5	3.66	9.30	3.40	YES	HRDOW
L0004581	0	0.33670E-02	443309.8	3772623.0	344.9	3.66	9.30	3.40	YES	HRDOW
L0004582	0	0.33670E-02	443289.8	3772623.3	345.2	3.66	9.30	3.40	YES	HRDOW
L0004583	0	0.33670E-02	443269.8	3772623.6	344.9	3.66	9.30	3.40	YES	HRDOW
L0005222	0	0.30303E-01	443265.3	3772939.0	350.7	3.66	11.16	3.40	YES	HRDOW
L0005223	0	0.30303E-01	443289.3	3772938.7	350.4	3.66	11.16	3.40	YES	HRDOW
L0005224	0	0.30303E-01	443313.3	3772938.5	350.0	3.66	11.16	3.40	YES	HRDOW
L0005225	0	0.30303E-01	443337.3	3772938.2	349.6	3.66	11.16	3.40	YES	HRDOW
L0005226	0	0.30303E-01	443361.3	3772937.9	349.3	3.66	11.16	3.40	YES	HRDOW
L0005227	0	0.30303E-01	443385.3	3772937.7	349.0	3.66	11.16	3.40	YES	HRDOW
L0005228	0	0.30303E-01	443409.3	3772937.4	348.7	3.66	11.16	3.40	YES	HRDOW
L0005229	0	0.30303E-01	443433.3	3772937.1	348.4	3.66	11.16	3.40	YES	HRDOW
L0005230	0	0.30303E-01	443457.3	3772936.9	348.3	3.66	11.16	3.40	YES	HRDOW
L0005231	0	0.30303E-01	443481.3	3772936.6	348.4	3.66	11.16	3.40	YES	HRDOW
L0005232	0	0.30303E-01	443505.3	3772936.3	348.3	3.66	11.16	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005233	0	0.30303E-01	443529.3	3772936.1	347.8	3.66	11.16	3.40	YES	HRDOW
L0005234	0	0.30303E-01	443553.3	3772935.8	348.2	3.66	11.16	3.40	YES	HRDOW
L0005235	0	0.30303E-01	443577.3	3772935.5	347.7	3.66	11.16	3.40	YES	HRDOW
L0005236	0	0.30303E-01	443601.3	3772935.3	347.2	3.66	11.16	3.40	YES	HRDOW
L0005237	0	0.30303E-01	443624.3	3772937.7	346.6	3.66	11.16	3.40	YES	HRDOW
L0005238	0	0.30303E-01	443636.3	3772956.2	347.1	3.66	11.16	3.40	YES	HRDOW
L0005239	0	0.30303E-01	443636.4	3772980.2	347.7	3.66	11.16	3.40	YES	HRDOW
L0005240	0	0.30303E-01	443636.4	3773004.2	348.3	3.66	11.16	3.40	YES	HRDOW
L0005241	0	0.30303E-01	443636.4	3773028.2	348.9	3.66	11.16	3.40	YES	HRDOW
L0005242	0	0.30303E-01	443636.5	3773052.2	349.5	3.66	11.16	3.40	YES	HRDOW
L0005243	0	0.30303E-01	443636.5	3773076.2	350.0	3.66	11.16	3.40	YES	HRDOW
L0005244	0	0.30303E-01	443636.5	3773100.2	350.6	3.66	11.16	3.40	YES	HRDOW
L0005245	0	0.30303E-01	443636.6	3773124.2	351.2	3.66	11.16	3.40	YES	HRDOW
L0005246	0	0.30303E-01	443636.6	3773148.2	351.8	3.66	11.16	3.40	YES	HRDOW
L0005247	0	0.30303E-01	443636.6	3773172.2	352.4	3.66	11.16	3.40	YES	HRDOW
L0005248	0	0.30303E-01	443636.7	3773196.2	353.0	3.66	11.16	3.40	YES	HRDOW
L0005249	0	0.30303E-01	443636.7	3773220.2	353.6	3.66	11.16	3.40	YES	HRDOW
L0005250	0	0.30303E-01	443636.8	3773244.2	354.1	3.66	11.16	3.40	YES	HRDOW
L0005251	0	0.30303E-01	443636.8	3773268.2	354.7	3.66	11.16	3.40	YES	HRDOW
L0005252	0	0.30303E-01	443636.8	3773292.2	355.2	3.66	11.16	3.40	YES	HRDOW
L0005253	0	0.30303E-01	443636.9	3773316.2	355.7	3.66	11.16	3.40	YES	HRDOW
L0005254	0	0.30303E-01	443636.9	3773340.2	356.0	3.66	11.16	3.40	YES	HRDOW
L0004230	0	0.41667E-01	443621.8	3772722.2	344.0	3.66	11.16	3.40	YES	HRDOW
L0004231	0	0.41667E-01	443625.3	3772698.6	343.6	3.66	11.16	3.40	YES	HRDOW
L0004232	0	0.41667E-01	443624.8	3772674.6	342.9	3.66	11.16	3.40	YES	HRDOW
L0004233	0	0.41667E-01	443624.3	3772650.6	342.4	3.66	11.16	3.40	YES	HRDOW
L0004234	0	0.41667E-01	443623.8	3772626.6	342.1	3.66	11.16	3.40	YES	HRDOW
L0004235	0	0.41667E-01	443623.4	3772602.6	342.0	3.66	11.16	3.40	YES	HRDOW
L0004236	0	0.41667E-01	443622.9	3772578.6	341.7	3.66	11.16	3.40	YES	HRDOW
L0004237	0	0.41667E-01	443622.4	3772554.6	340.4	3.66	11.16	3.40	YES	HRDOW
L0004238	0	0.41667E-01	443621.9	3772530.6	339.7	3.66	11.16	3.40	YES	HRDOW
L0004239	0	0.41667E-01	443621.5	3772506.6	339.3	3.66	11.16	3.40	YES	HRDOW
L0004240	0	0.41667E-01	443621.0	3772482.6	339.1	3.66	11.16	3.40	YES	HRDOW
L0004241	0	0.41667E-01	443620.5	3772458.6	338.7	3.66	11.16	3.40	YES	HRDOW
L0004242	0	0.41667E-01	443620.1	3772434.6	338.3	3.66	11.16	3.40	YES	HRDOW
L0004243	0	0.41667E-01	443619.6	3772410.6	337.9	3.66	11.16	3.40	YES	HRDOW
L0004244	0	0.41667E-01	443619.1	3772386.7	337.5	3.66	11.16	3.40	YES	HRDOW
L0004245	0	0.41667E-01	443618.7	3772362.7	337.1	3.66	11.16	3.40	YES	HRDOW
L0004246	0	0.41667E-01	443618.2	3772338.7	336.7	3.66	11.16	3.40	YES	HRDOW
L0004247	0	0.41667E-01	443617.8	3772314.7	336.3	3.66	11.16	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004248	0	0.41667E-01	443617.3	3772290.7	335.9	3.66	11.16	3.40	YES	HRDOW
L0004249	0	0.41667E-01	443616.8	3772266.7	335.5	3.66	11.16	3.40	YES	HRDOW
L0004250	0	0.41667E-01	443616.4	3772242.7	335.1	3.66	11.16	3.40	YES	HRDOW
L0004251	0	0.41667E-01	443615.9	3772218.7	334.7	3.66	11.16	3.40	YES	HRDOW
L0004252	0	0.41667E-01	443615.5	3772194.7	334.2	3.66	11.16	3.40	YES	HRDOW
L0004253	0	0.41667E-01	443615.0	3772170.7	333.8	3.66	11.16	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE1	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
SLINE10	L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 ,
	L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 ,
SLINE11	L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,
SLINE12	L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 , L0000310 ,
	L0000311 ,
SLINE13	L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 ,
	L0000320 , L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 ,
	L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,
	L0000336 , L0000337 , L0000338 , L0000339 ,
SLINE14	L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 ,
	L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 ,
	L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 , L0000362 ,
SLINE15	L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 , L0000370 ,
	L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 , L0000378 ,
	L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 , L0000386 ,
	L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 ,
	L0000395 ,
SLINE16	L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
	L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
	L0000420 ,
SLINE17	L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
	L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 ,
	L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 ,
	L0000495 , L0000496 , L0000497 ,
SLINE18	L0004842 , L0004843 , L0004844 , L0004845 , L0004846 , L0004847 , L0004848 , L0004849 ,
	L0004850 , L0004851 , L0004852 , L0004853 , L0004854 , L0004855 , L0004856 , L0004857 ,
	L0004858 , L0004859 , L0004860 , L0004861 , L0004862 , L0004863 , L0004864 , L0004865 ,
	L0004866 , L0004867 , L0004868 , L0004869 , L0004870 , L0004871 , L0004872 , L0004873 ,
	L0004874 , L0004875 , L0004876 , L0004877 , L0004878 , L0004879 , L0004880 , L0004881 ,
	L0004882 , L0004883 , L0004884 , L0004885 , L0004886 , L0004887 , L0004888 , L0004889 ,
	L0004890 , L0004891 , L0004892 , L0004893 , L0004894 , L0004895 , L0004896 , L0004897 ,
	L0004898 , L0004899 , L0004900 , L0004901 , L0004902 , L0004903 , L0004904 , L0004905 ,
	L0004906 , L0004907 , L0004908 , L0004909 , L0004910 , L0004911 , L0004912 , L0004913 ,
	L0004914 , L0004915 , L0004916 , L0004917 , L0004918 , L0004919 , L0004920 , L0004921 ,
	L0004922 , L0004923 , L0004924 , L0004925 , L0004926 , L0004927 , L0004928 , L0004929 ,
	L0004930 , L0004931 , L0004932 , L0004933 , L0004934 , L0004935 , L0004936 , L0004937 ,
	L0004938 , L0004939 , L0004940 , L0004941 , L0004942 , L0004943 , L0004944 , L0004945 ,
	L0004946 , L0004947 , L0004948 , L0004949 , L0004950 , L0004951 , L0004952 , L0004953 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004954 , L0004955 , L0004956 , L0004957 , L0004958 , L0004959 , L0004960 , L0004961 ,
	L0004962 , L0004963 , L0004964 , L0004965 , L0004966 , L0004967 , L0004968 , L0004969 ,
	L0004970 , L0004971 , L0004972 , L0004973 , L0004974 , L0004975 , L0004976 , L0004977 ,
	L0004978 , L0004979 , L0004980 , L0004981 , L0004982 , L0004983 , L0004984 , L0004985 ,
	L0004986 , L0004987 , L0004988 , L0004989 , L0004990 , L0004991 , L0004992 , L0004993 ,
	L0004994 , L0004995 , L0004996 , L0004997 , L0004998 , L0004999 , L0005000 , L0005001 ,
	L0005002 , L0005003 , L0005004 , L0005005 , L0005006 , L0005007 , L0005008 , L0005009 ,
	L0005010 , L0005011 , L0005012 , L0005013 , L0005014 , L0005015 , L0005016 , L0005017 ,
	L0005018 , L0005019 , L0005020 , L0005021 , L0005022 , L0005023 , L0005024 , L0005025 ,
	L0005026 , L0005027 , L0005028 , L0005029 , L0005030 , L0005031 , L0005032 , L0005033 ,
	L0005034 , L0005035 , L0005036 , L0005037 , L0005038 , L0005039 , L0005040 , L0005041 ,
	L0005042 , L0005043 , L0005044 , L0005045 , L0005046 , L0005047 , L0005048 , L0005049 ,
	L0005050 , L0005051 , L0005052 , L0005053 , L0005054 , L0005055 , L0005056 , L0005057 ,
	L0005058 , L0005059 , L0005060 , L0005061 , L0005062 , L0005063 , L0005064 , L0005065 ,
	L0005066 , L0005067 , L0005068 , L0005069 , L0005070 , L0005071 , L0005072 , L0005073 ,
	L0005074 , L0005075 , L0005076 , L0005077 , L0005078 , L0005079 , L0005080 , L0005081 ,
	L0005082 , L0005083 , L0005084 , L0005085 , L0005086 , L0005087 , L0005088 , L0005089 ,
	L0005090 , L0005091 , L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 ,
	L0005098 , L0005099 , L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 ,
	L0005106 , L0005107 , L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005114 , L0005115 , L0005116 , L0005117 , L0005118 , L0005119 , L0005120 , L0005121 ,
	L0005122 , L0005123 , L0005124 , L0005125 , L0005126 , L0005127 , L0005128 , L0005129 ,
	L0005130 , L0005131 , L0005132 , L0005133 , L0005134 , L0005135 , L0005136 , L0005137 ,
	L0005138 , L0005139 , L0005140 , L0005141 , L0005142 , L0005143 , L0005144 , L0005145 ,
	L0005146 , L0005147 , L0005148 , L0005149 , L0005150 , L0005151 , L0005152 , L0005153 ,
	L0005154 , L0005155 , L0005156 , L0005157 , L0005158 , L0005159 , L0005160 , L0005161 ,
	L0005162 , L0005163 , L0005164 , L0005165 , L0005166 , L0005167 , L0005168 , L0005169 ,
	L0005170 , L0005171 , L0005172 , L0005173 , L0005174 , L0005175 , L0005176 , L0005177 ,
	L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 ,
	L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 ,
	L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 ,
	L0005202 , L0005203 , L0005204 , L0005205 , L0005206 , L0005207 , L0005208 , L0005209 ,
	L0005210 , L0005211 , L0005212 , L0005213 , L0005214 , L0005215 , L0005216 , L0005217 ,
	L0005218 , L0005219 , L0005220 , L0005221 ,
SLINE19	L0004702 , L0004703 , L0004704 , L0004705 , L0004706 , L0004707 , L0004708 , L0004709 ,
	L0004710 , L0004711 , L0004712 , L0004713 , L0004714 , L0004715 , L0004716 , L0004717 ,
	L0004718 , L0004719 , L0004720 , L0004721 , L0004722 , L0004723 , L0004724 , L0004725 ,
	L0004726 , L0004727 , L0004728 , L0004729 , L0004730 , L0004731 , L0004732 , L0004733 ,
	L0004734 , L0004735 , L0004736 , L0004737 , L0004738 , L0004739 , L0004740 , L0004741 ,
	L0004742 , L0004743 , L0004744 , L0004745 , L0004746 , L0004747 , L0004748 , L0004749 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004750 , L0004751 , L0004752 , L0004753 , L0004754 , L0004755 , L0004756 , L0004757 ,
	L0004758 , L0004759 , L0004760 , L0004761 , L0004762 , L0004763 , L0004764 , L0004765 ,
	L0004766 , L0004767 , L0004768 , L0004769 , L0004770 , L0004771 , L0004772 , L0004773 ,
	L0004774 , L0004775 , L0004776 , L0004777 , L0004778 , L0004779 , L0004780 , L0004781 ,
	L0004782 , L0004783 , L0004784 , L0004785 , L0004786 , L0004787 , L0004788 , L0004789 ,
	L0004790 , L0004791 , L0004792 , L0004793 , L0004794 , L0004795 , L0004796 , L0004797 ,
	L0004798 , L0004799 , L0004800 , L0004801 , L0004802 , L0004803 , L0004804 , L0004805 ,
	L0004806 , L0004807 , L0004808 , L0004809 , L0004810 , L0004811 , L0004812 , L0004813 ,
	L0004814 , L0004815 , L0004816 , L0004817 , L0004818 , L0004819 , L0004820 , L0004821 ,
	L0004822 , L0004823 , L0004824 , L0004825 , L0004826 , L0004827 , L0004828 , L0004829 ,
	L0004830 , L0004831 , L0004832 , L0004833 , L0004834 , L0004835 , L0004836 , L0004837 ,
	L0004838 , L0004839 , L0004840 , L0004841 ,
SLINE2	L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
	L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
SLINE20	L0004655 , L0004656 , L0004657 , L0004658 , L0004659 , L0004660 , L0004661 , L0004662 ,
	L0004663 , L0004664 , L0004665 , L0004666 , L0004667 , L0004668 , L0004669 , L0004670 ,
	L0004671 , L0004672 , L0004673 , L0004674 , L0004675 , L0004676 , L0004677 , L0004678 ,
	L0004679 , L0004680 , L0004681 , L0004682 , L0004683 , L0004684 , L0004685 , L0004686 ,
	L0004687 , L0004688 , L0004689 , L0004690 , L0004691 , L0004692 , L0004693 , L0004694 ,
	L0004695 , L0004696 , L0004697 , L0004698 , L0004699 , L0004700 , L0004701 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE21	L0004584 , L0004585 , L0004586 , L0004587 , L0004588 , L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 , L0004596 , L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 , L0004604 , L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 , L0004611 , L0004612 , L0004613 , L0004614 , L0004615 , L0004616 , L0004617 , L0004618 , L0004619 , L0004620 , L0004621 , L0004622 , L0004623 , L0004624 , L0004625 , L0004626 , L0004627 , L0004628 , L0004629 , L0004630 , L0004631 , L0004632 , L0004633 , L0004634 , L0004635 , L0004636 , L0004637 , L0004638 , L0004639 , L0004640 , L0004641 , L0004642 , L0004643 , L0004644 , L0004645 , L0004646 , L0004647 , L0004648 , L0004649 , L0004650 , L0004651 , L0004652 , L0004653 , L0004654 ,
SLINE22	L0004287 , L0004288 , L0004289 , L0004290 , L0004291 , L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 , L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 , L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , L0004315 , L0004316 , L0004317 , L0004318 , L0004319 , L0004320 , L0004321 , L0004322 , L0004323 , L0004324 , L0004325 , L0004326 , L0004327 , L0004328 , L0004329 , L0004330 , L0004331 , L0004332 , L0004333 , L0004334 , L0004335 , L0004336 , L0004337 , L0004338 , L0004339 , L0004340 , L0004341 , L0004342 , L0004343 , L0004344 , L0004345 , L0004346 , L0004347 , L0004348 , L0004349 , L0004350 , L0004351 , L0004352 , L0004353 , L0004354 , L0004355 , L0004356 , L0004357 , L0004358 , L0004359 , L0004360 , L0004361 , L0004362 , L0004363 , L0004364 , L0004365 , L0004366 , L0004367 , L0004368 , L0004369 , L0004370 , L0004371 , L0004372 , L0004373 , L0004374 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004375 , L0004376 , L0004377 , L0004378 , L0004379 , L0004380 , L0004381 , L0004382 ,
	L0004383 , L0004384 , L0004385 , L0004386 , L0004387 , L0004388 , L0004389 , L0004390 ,
	L0004391 , L0004392 , L0004393 , L0004394 , L0004395 , L0004396 , L0004397 , L0004398 ,
	L0004399 , L0004400 , L0004401 , L0004402 , L0004403 , L0004404 , L0004405 , L0004406 ,
	L0004407 , L0004408 , L0004409 , L0004410 , L0004411 , L0004412 , L0004413 , L0004414 ,
	L0004415 , L0004416 , L0004417 , L0004418 , L0004419 , L0004420 , L0004421 , L0004422 ,
	L0004423 , L0004424 , L0004425 , L0004426 , L0004427 , L0004428 , L0004429 , L0004430 ,
	L0004431 , L0004432 , L0004433 , L0004434 , L0004435 , L0004436 , L0004437 , L0004438 ,
	L0004439 , L0004440 , L0004441 , L0004442 , L0004443 , L0004444 , L0004445 , L0004446 ,
	L0004447 , L0004448 , L0004449 , L0004450 , L0004451 , L0004452 , L0004453 , L0004454 ,
	L0004455 , L0004456 , L0004457 , L0004458 , L0004459 , L0004460 , L0004461 , L0004462 ,
	L0004463 , L0004464 , L0004465 , L0004466 , L0004467 , L0004468 , L0004469 , L0004470 ,
	L0004471 , L0004472 , L0004473 , L0004474 , L0004475 , L0004476 , L0004477 , L0004478 ,
	L0004479 , L0004480 , L0004481 , L0004482 , L0004483 , L0004484 , L0004485 , L0004486 ,
	L0004487 , L0004488 , L0004489 , L0004490 , L0004491 , L0004492 , L0004493 , L0004494 ,
	L0004495 , L0004496 , L0004497 , L0004498 , L0004499 , L0004500 , L0004501 , L0004502 ,
	L0004503 , L0004504 , L0004505 , L0004506 , L0004507 , L0004508 , L0004509 , L0004510 ,
	L0004511 , L0004512 , L0004513 , L0004514 , L0004515 , L0004516 , L0004517 , L0004518 ,
	L0004519 , L0004520 , L0004521 , L0004522 , L0004523 , L0004524 , L0004525 , L0004526 ,
	L0004527 , L0004528 , L0004529 , L0004530 , L0004531 , L0004532 , L0004533 , L0004534 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004535 , L0004536 , L0004537 , L0004538 , L0004539 , L0004540 , L0004541 , L0004542 ,
	L0004543 , L0004544 , L0004545 , L0004546 , L0004547 , L0004548 , L0004549 , L0004550 ,
	L0004551 , L0004552 , L0004553 , L0004554 , L0004555 , L0004556 , L0004557 , L0004558 ,
	L0004559 , L0004560 , L0004561 , L0004562 , L0004563 , L0004564 , L0004565 , L0004566 ,
	L0004567 , L0004568 , L0004569 , L0004570 , L0004571 , L0004572 , L0004573 , L0004574 ,
	L0004575 , L0004576 , L0004577 , L0004578 , L0004579 , L0004580 , L0004581 , L0004582 ,
	L0004583 ,
SLINE23	L0005222 , L0005223 , L0005224 , L0005225 , L0005226 , L0005227 , L0005228 , L0005229 ,
	L0005230 , L0005231 , L0005232 , L0005233 , L0005234 , L0005235 , L0005236 , L0005237 ,
	L0005238 , L0005239 , L0005240 , L0005241 , L0005242 , L0005243 , L0005244 , L0005245 ,
	L0005246 , L0005247 , L0005248 , L0005249 , L0005250 , L0005251 , L0005252 , L0005253 ,
	L0005254 ,
SLINE24	L0004230 , L0004231 , L0004232 , L0004233 , L0004234 , L0004235 , L0004236 , L0004237 ,
	L0004238 , L0004239 , L0004240 , L0004241 , L0004242 , L0004243 , L0004244 , L0004245 ,
	L0004246 , L0004247 , L0004248 , L0004249 , L0004250 , L0004251 , L0004252 , L0004253 ,
SLINE3	L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
	L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 ,
SLINE4	L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
SLINE5	L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
	L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
SLINE6	L0000181 , L0000182 , L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 ,
	L0000189 , L0000190 , L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 ,
	L0000197 , L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 ,
	L0000205 , L0000206 ,
SLINE7	L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,
	L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 ,
	L0000138 , L0000139 , L0000140 , L0000141 ,
SLINE8	L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
SLINE9	L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
	L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
	L0000230 , L0000231 , L0000232 , L0000233 ,
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000016 , L0000017 , L0000018 ,
	L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 ,
	L0000027 , L0000028 , L0000029 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
	L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
	L0000071 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
	L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
	L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,
	L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,
	L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000138 , L0000139 , L0000140 , L0000141 , L0000181 , L0000182 , L0000183 , L0000184 ,
	L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
	L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
	L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
	L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
	L0000233 , L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 ,
	L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 ,
	L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000303 , L0000304 , L0000305 ,
	L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 , L0000313 ,
	L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 , L0000321 ,
	L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 , L0000329 ,
	L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 ,
	L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 ,
	L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
	L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
	L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,
	L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
	L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
	L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 ,
	L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 ,
	L0000418 , L0000419 , L0000420 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
	L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
	L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
	L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 , L0004842 , L0004843 ,
	L0004844 , L0004845 , L0004846 , L0004847 , L0004848 , L0004849 , L0004850 , L0004851 ,
	L0004852 , L0004853 , L0004854 , L0004855 , L0004856 , L0004857 , L0004858 , L0004859 ,
	L0004860 , L0004861 , L0004862 , L0004863 , L0004864 , L0004865 , L0004866 , L0004867 ,
	L0004868 , L0004869 , L0004870 , L0004871 , L0004872 , L0004873 , L0004874 , L0004875 ,
	L0004876 , L0004877 , L0004878 , L0004879 , L0004880 , L0004881 , L0004882 , L0004883 ,
	L0004884 , L0004885 , L0004886 , L0004887 , L0004888 , L0004889 , L0004890 , L0004891 ,
	L0004892 , L0004893 , L0004894 , L0004895 , L0004896 , L0004897 , L0004898 , L0004899 ,
	L0004900 , L0004901 , L0004902 , L0004903 , L0004904 , L0004905 , L0004906 , L0004907 ,
	L0004908 , L0004909 , L0004910 , L0004911 , L0004912 , L0004913 , L0004914 , L0004915 ,
	L0004916 , L0004917 , L0004918 , L0004919 , L0004920 , L0004921 , L0004922 , L0004923 ,
	L0004924 , L0004925 , L0004926 , L0004927 , L0004928 , L0004929 , L0004930 , L0004931 ,
	L0004932 , L0004933 , L0004934 , L0004935 , L0004936 , L0004937 , L0004938 , L0004939 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004940 , L0004941 , L0004942 , L0004943 , L0004944 , L0004945 , L0004946 , L0004947 ,
	L0004948 , L0004949 , L0004950 , L0004951 , L0004952 , L0004953 , L0004954 , L0004955 ,
	L0004956 , L0004957 , L0004958 , L0004959 , L0004960 , L0004961 , L0004962 , L0004963 ,
	L0004964 , L0004965 , L0004966 , L0004967 , L0004968 , L0004969 , L0004970 , L0004971 ,
	L0004972 , L0004973 , L0004974 , L0004975 , L0004976 , L0004977 , L0004978 , L0004979 ,
	L0004980 , L0004981 , L0004982 , L0004983 , L0004984 , L0004985 , L0004986 , L0004987 ,
	L0004988 , L0004989 , L0004990 , L0004991 , L0004992 , L0004993 , L0004994 , L0004995 ,
	L0004996 , L0004997 , L0004998 , L0004999 , L0005000 , L0005001 , L0005002 , L0005003 ,
	L0005004 , L0005005 , L0005006 , L0005007 , L0005008 , L0005009 , L0005010 , L0005011 ,
	L0005012 , L0005013 , L0005014 , L0005015 , L0005016 , L0005017 , L0005018 , L0005019 ,
	L0005020 , L0005021 , L0005022 , L0005023 , L0005024 , L0005025 , L0005026 , L0005027 ,
	L0005028 , L0005029 , L0005030 , L0005031 , L0005032 , L0005033 , L0005034 , L0005035 ,
	L0005036 , L0005037 , L0005038 , L0005039 , L0005040 , L0005041 , L0005042 , L0005043 ,
	L0005044 , L0005045 , L0005046 , L0005047 , L0005048 , L0005049 , L0005050 , L0005051 ,
	L0005052 , L0005053 , L0005054 , L0005055 , L0005056 , L0005057 , L0005058 , L0005059 ,
	L0005060 , L0005061 , L0005062 , L0005063 , L0005064 , L0005065 , L0005066 , L0005067 ,
	L0005068 , L0005069 , L0005070 , L0005071 , L0005072 , L0005073 , L0005074 , L0005075 ,
	L0005076 , L0005077 , L0005078 , L0005079 , L0005080 , L0005081 , L0005082 , L0005083 ,
	L0005084 , L0005085 , L0005086 , L0005087 , L0005088 , L0005089 , L0005090 , L0005091 ,
	L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 ,
	L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 ,
	L0005116 , L0005117 , L0005118 , L0005119 , L0005120 , L0005121 , L0005122 , L0005123 ,
	L0005124 , L0005125 , L0005126 , L0005127 , L0005128 , L0005129 , L0005130 , L0005131 ,
	L0005132 , L0005133 , L0005134 , L0005135 , L0005136 , L0005137 , L0005138 , L0005139 ,
	L0005140 , L0005141 , L0005142 , L0005143 , L0005144 , L0005145 , L0005146 , L0005147 ,
	L0005148 , L0005149 , L0005150 , L0005151 , L0005152 , L0005153 , L0005154 , L0005155 ,
	L0005156 , L0005157 , L0005158 , L0005159 , L0005160 , L0005161 , L0005162 , L0005163 ,
	L0005164 , L0005165 , L0005166 , L0005167 , L0005168 , L0005169 , L0005170 , L0005171 ,
	L0005172 , L0005173 , L0005174 , L0005175 , L0005176 , L0005177 , L0005178 , L0005179 ,
	L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 ,
	L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 ,
	L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 ,
	L0005204 , L0005205 , L0005206 , L0005207 , L0005208 , L0005209 , L0005210 , L0005211 ,
	L0005212 , L0005213 , L0005214 , L0005215 , L0005216 , L0005217 , L0005218 , L0005219 ,
	L0005220 , L0005221 , L0004702 , L0004703 , L0004704 , L0004705 , L0004706 , L0004707 ,
	L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 , L0004714 , L0004715 ,
	L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 , L0004722 , L0004723 ,
	L0004724 , L0004725 , L0004726 , L0004727 , L0004728 , L0004729 , L0004730 , L0004731 ,
	L0004732 , L0004733 , L0004734 , L0004735 , L0004736 , L0004737 , L0004738 , L0004739 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004740 , L0004741 , L0004742 , L0004743 , L0004744 , L0004745 , L0004746 , L0004747 ,
	L0004748 , L0004749 , L0004750 , L0004751 , L0004752 , L0004753 , L0004754 , L0004755 ,
	L0004756 , L0004757 , L0004758 , L0004759 , L0004760 , L0004761 , L0004762 , L0004763 ,
	L0004764 , L0004765 , L0004766 , L0004767 , L0004768 , L0004769 , L0004770 , L0004771 ,
	L0004772 , L0004773 , L0004774 , L0004775 , L0004776 , L0004777 , L0004778 , L0004779 ,
	L0004780 , L0004781 , L0004782 , L0004783 , L0004784 , L0004785 , L0004786 , L0004787 ,
	L0004788 , L0004789 , L0004790 , L0004791 , L0004792 , L0004793 , L0004794 , L0004795 ,
	L0004796 , L0004797 , L0004798 , L0004799 , L0004800 , L0004801 , L0004802 , L0004803 ,
	L0004804 , L0004805 , L0004806 , L0004807 , L0004808 , L0004809 , L0004810 , L0004811 ,
	L0004812 , L0004813 , L0004814 , L0004815 , L0004816 , L0004817 , L0004818 , L0004819 ,
	L0004820 , L0004821 , L0004822 , L0004823 , L0004824 , L0004825 , L0004826 , L0004827 ,
	L0004828 , L0004829 , L0004830 , L0004831 , L0004832 , L0004833 , L0004834 , L0004835 ,
	L0004836 , L0004837 , L0004838 , L0004839 , L0004840 , L0004841 , L0004655 , L0004656 ,
	L0004657 , L0004658 , L0004659 , L0004660 , L0004661 , L0004662 , L0004663 , L0004664 ,
	L0004665 , L0004666 , L0004667 , L0004668 , L0004669 , L0004670 , L0004671 , L0004672 ,
	L0004673 , L0004674 , L0004675 , L0004676 , L0004677 , L0004678 , L0004679 , L0004680 ,
	L0004681 , L0004682 , L0004683 , L0004684 , L0004685 , L0004686 , L0004687 , L0004688 ,
	L0004689 , L0004690 , L0004691 , L0004692 , L0004693 , L0004694 , L0004695 , L0004696 ,
	L0004697 , L0004698 , L0004699 , L0004700 , L0004701 , L0004584 , L0004585 , L0004586 ,
	L0004587 , L0004588 , L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004595 , L0004596 , L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 ,
	L0004603 , L0004604 , L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
	L0004611 , L0004612 , L0004613 , L0004614 , L0004615 , L0004616 , L0004617 , L0004618 ,
	L0004619 , L0004620 , L0004621 , L0004622 , L0004623 , L0004624 , L0004625 , L0004626 ,
	L0004627 , L0004628 , L0004629 , L0004630 , L0004631 , L0004632 , L0004633 , L0004634 ,
	L0004635 , L0004636 , L0004637 , L0004638 , L0004639 , L0004640 , L0004641 , L0004642 ,
	L0004643 , L0004644 , L0004645 , L0004646 , L0004647 , L0004648 , L0004649 , L0004650 ,
	L0004651 , L0004652 , L0004653 , L0004654 , L0004287 , L0004288 , L0004289 , L0004290 ,
	L0004291 , L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 ,
	L0004299 , L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 ,
	L0004307 , L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 ,
	L0004315 , L0004316 , L0004317 , L0004318 , L0004319 , L0004320 , L0004321 , L0004322 ,
	L0004323 , L0004324 , L0004325 , L0004326 , L0004327 , L0004328 , L0004329 , L0004330 ,
	L0004331 , L0004332 , L0004333 , L0004334 , L0004335 , L0004336 , L0004337 , L0004338 ,
	L0004339 , L0004340 , L0004341 , L0004342 , L0004343 , L0004344 , L0004345 , L0004346 ,
	L0004347 , L0004348 , L0004349 , L0004350 , L0004351 , L0004352 , L0004353 , L0004354 ,
	L0004355 , L0004356 , L0004357 , L0004358 , L0004359 , L0004360 , L0004361 , L0004362 ,
	L0004363 , L0004364 , L0004365 , L0004366 , L0004367 , L0004368 , L0004369 , L0004370 ,
	L0004371 , L0004372 , L0004373 , L0004374 , L0004375 , L0004376 , L0004377 , L0004378 ,
	L0004379 , L0004380 , L0004381 , L0004382 , L0004383 , L0004384 , L0004385 , L0004386 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004387 , L0004388 , L0004389 , L0004390 , L0004391 , L0004392 , L0004393 , L0004394 ,
	L0004395 , L0004396 , L0004397 , L0004398 , L0004399 , L0004400 , L0004401 , L0004402 ,
	L0004403 , L0004404 , L0004405 , L0004406 , L0004407 , L0004408 , L0004409 , L0004410 ,
	L0004411 , L0004412 , L0004413 , L0004414 , L0004415 , L0004416 , L0004417 , L0004418 ,
	L0004419 , L0004420 , L0004421 , L0004422 , L0004423 , L0004424 , L0004425 , L0004426 ,
	L0004427 , L0004428 , L0004429 , L0004430 , L0004431 , L0004432 , L0004433 , L0004434 ,
	L0004435 , L0004436 , L0004437 , L0004438 , L0004439 , L0004440 , L0004441 , L0004442 ,
	L0004443 , L0004444 , L0004445 , L0004446 , L0004447 , L0004448 , L0004449 , L0004450 ,
	L0004451 , L0004452 , L0004453 , L0004454 , L0004455 , L0004456 , L0004457 , L0004458 ,
	L0004459 , L0004460 , L0004461 , L0004462 , L0004463 , L0004464 , L0004465 , L0004466 ,
	L0004467 , L0004468 , L0004469 , L0004470 , L0004471 , L0004472 , L0004473 , L0004474 ,
	L0004475 , L0004476 , L0004477 , L0004478 , L0004479 , L0004480 , L0004481 , L0004482 ,
	L0004483 , L0004484 , L0004485 , L0004486 , L0004487 , L0004488 , L0004489 , L0004490 ,
	L0004491 , L0004492 , L0004493 , L0004494 , L0004495 , L0004496 , L0004497 , L0004498 ,
	L0004499 , L0004500 , L0004501 , L0004502 , L0004503 , L0004504 , L0004505 , L0004506 ,
	L0004507 , L0004508 , L0004509 , L0004510 , L0004511 , L0004512 , L0004513 , L0004514 ,
	L0004515 , L0004516 , L0004517 , L0004518 , L0004519 , L0004520 , L0004521 , L0004522 ,
	L0004523 , L0004524 , L0004525 , L0004526 , L0004527 , L0004528 , L0004529 , L0004530 ,
	L0004531 , L0004532 , L0004533 , L0004534 , L0004535 , L0004536 , L0004537 , L0004538 ,
	L0004539 , L0004540 , L0004541 , L0004542 , L0004543 , L0004544 , L0004545 , L0004546 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0004547 , L0004548 , L0004549 , L0004550 , L0004551 , L0004552 , L0004553 , L0004554 ,
	L0004555 , L0004556 , L0004557 , L0004558 , L0004559 , L0004560 , L0004561 , L0004562 ,
	L0004563 , L0004564 , L0004565 , L0004566 , L0004567 , L0004568 , L0004569 , L0004570 ,
	L0004571 , L0004572 , L0004573 , L0004574 , L0004575 , L0004576 , L0004577 , L0004578 ,
	L0004579 , L0004580 , L0004581 , L0004582 , L0004583 , L0005222 , L0005223 , L0005224 ,
	L0005225 , L0005226 , L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 ,
	L0005233 , L0005234 , L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 ,
	L0005241 , L0005242 , L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
	L0005249 , L0005250 , L0005251 , L0005252 , L0005253 , L0005254 , L0004230 , L0004231 ,
	L0004232 , L0004233 , L0004234 , L0004235 , L0004236 , L0004237 , L0004238 , L0004239 ,
	L0004240 , L0004241 , L0004242 , L0004243 , L0004244 , L0004245 , L0004246 , L0004247 ,
	L0004248 , L0004249 , L0004250 , L0004251 , L0004252 , L0004253 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000016 , L0000017 , L0000018 ,
		L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 ,
		L0000027 , L0000028 , L0000029 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
		L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
		L0000071 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
		L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 ,
		L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 ,
		L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 ,
		L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 ,
		L0000138 , L0000139 , L0000140 , L0000141 , L0000181 , L0000182 , L0000183 , L0000184 ,
		L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
		L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
		L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
		L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
		L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
		L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
		L0000233 , L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 ,
		L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 ,
		L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000303 , L0000304 , L0000305 ,
		L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 , L0000313 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 , L0000321 ,
		L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000328 , L0000329 ,
		L0000330 , L0000331 , L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 ,
		L0000338 , L0000339 , L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 ,
		L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 , L0000353 ,
		L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 , L0000361 ,
		L0000362 , L0000363 , L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 ,
		L0000370 , L0000371 , L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 ,
		L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
		L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
		L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
		L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 ,
		L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 ,
		L0000418 , L0000419 , L0000420 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
		L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
		L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
		L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 , L0004842 , L0004843 ,
		L0004844 , L0004845 , L0004846 , L0004847 , L0004848 , L0004849 , L0004850 , L0004851 ,
		L0004852 , L0004853 , L0004854 , L0004855 , L0004856 , L0004857 , L0004858 , L0004859 ,
		L0004860 , L0004861 , L0004862 , L0004863 , L0004864 , L0004865 , L0004866 , L0004867 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0004868 , L0004869 , L0004870 , L0004871 , L0004872 , L0004873 , L0004874 , L0004875 ,
		L0004876 , L0004877 , L0004878 , L0004879 , L0004880 , L0004881 , L0004882 , L0004883 ,
		L0004884 , L0004885 , L0004886 , L0004887 , L0004888 , L0004889 , L0004890 , L0004891 ,
		L0004892 , L0004893 , L0004894 , L0004895 , L0004896 , L0004897 , L0004898 , L0004899 ,
		L0004900 , L0004901 , L0004902 , L0004903 , L0004904 , L0004905 , L0004906 , L0004907 ,
		L0004908 , L0004909 , L0004910 , L0004911 , L0004912 , L0004913 , L0004914 , L0004915 ,
		L0004916 , L0004917 , L0004918 , L0004919 , L0004920 , L0004921 , L0004922 , L0004923 ,
		L0004924 , L0004925 , L0004926 , L0004927 , L0004928 , L0004929 , L0004930 , L0004931 ,
		L0004932 , L0004933 , L0004934 , L0004935 , L0004936 , L0004937 , L0004938 , L0004939 ,
		L0004940 , L0004941 , L0004942 , L0004943 , L0004944 , L0004945 , L0004946 , L0004947 ,
		L0004948 , L0004949 , L0004950 , L0004951 , L0004952 , L0004953 , L0004954 , L0004955 ,
		L0004956 , L0004957 , L0004958 , L0004959 , L0004960 , L0004961 , L0004962 , L0004963 ,
		L0004964 , L0004965 , L0004966 , L0004967 , L0004968 , L0004969 , L0004970 , L0004971 ,
		L0004972 , L0004973 , L0004974 , L0004975 , L0004976 , L0004977 , L0004978 , L0004979 ,
		L0004980 , L0004981 , L0004982 , L0004983 , L0004984 , L0004985 , L0004986 , L0004987 ,
		L0004988 , L0004989 , L0004990 , L0004991 , L0004992 , L0004993 , L0004994 , L0004995 ,
		L0004996 , L0004997 , L0004998 , L0004999 , L0005000 , L0005001 , L0005002 , L0005003 ,
		L0005004 , L0005005 , L0005006 , L0005007 , L0005008 , L0005009 , L0005010 , L0005011 ,
		L0005012 , L0005013 , L0005014 , L0005015 , L0005016 , L0005017 , L0005018 , L0005019 ,
		L0005020 , L0005021 , L0005022 , L0005023 , L0005024 , L0005025 , L0005026 , L0005027 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0005028 , L0005029 , L0005030 , L0005031 , L0005032 , L0005033 , L0005034 , L0005035 ,
		L0005036 , L0005037 , L0005038 , L0005039 , L0005040 , L0005041 , L0005042 , L0005043 ,
		L0005044 , L0005045 , L0005046 , L0005047 , L0005048 , L0005049 , L0005050 , L0005051 ,
		L0005052 , L0005053 , L0005054 , L0005055 , L0005056 , L0005057 , L0005058 , L0005059 ,
		L0005060 , L0005061 , L0005062 , L0005063 , L0005064 , L0005065 , L0005066 , L0005067 ,
		L0005068 , L0005069 , L0005070 , L0005071 , L0005072 , L0005073 , L0005074 , L0005075 ,
		L0005076 , L0005077 , L0005078 , L0005079 , L0005080 , L0005081 , L0005082 , L0005083 ,
		L0005084 , L0005085 , L0005086 , L0005087 , L0005088 , L0005089 , L0005090 , L0005091 ,
		L0005092 , L0005093 , L0005094 , L0005095 , L0005096 , L0005097 , L0005098 , L0005099 ,
		L0005100 , L0005101 , L0005102 , L0005103 , L0005104 , L0005105 , L0005106 , L0005107 ,
		L0005108 , L0005109 , L0005110 , L0005111 , L0005112 , L0005113 , L0005114 , L0005115 ,
		L0005116 , L0005117 , L0005118 , L0005119 , L0005120 , L0005121 , L0005122 , L0005123 ,
		L0005124 , L0005125 , L0005126 , L0005127 , L0005128 , L0005129 , L0005130 , L0005131 ,
		L0005132 , L0005133 , L0005134 , L0005135 , L0005136 , L0005137 , L0005138 , L0005139 ,
		L0005140 , L0005141 , L0005142 , L0005143 , L0005144 , L0005145 , L0005146 , L0005147 ,
		L0005148 , L0005149 , L0005150 , L0005151 , L0005152 , L0005153 , L0005154 , L0005155 ,
		L0005156 , L0005157 , L0005158 , L0005159 , L0005160 , L0005161 , L0005162 , L0005163 ,
		L0005164 , L0005165 , L0005166 , L0005167 , L0005168 , L0005169 , L0005170 , L0005171 ,
		L0005172 , L0005173 , L0005174 , L0005175 , L0005176 , L0005177 , L0005178 , L0005179 ,
		L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 ,
		L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 ,
		L0005204 , L0005205 , L0005206 , L0005207 , L0005208 , L0005209 , L0005210 , L0005211 ,
		L0005212 , L0005213 , L0005214 , L0005215 , L0005216 , L0005217 , L0005218 , L0005219 ,
		L0005220 , L0005221 , L0004702 , L0004703 , L0004704 , L0004705 , L0004706 , L0004707 ,
		L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 , L0004714 , L0004715 ,
		L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 , L0004722 , L0004723 ,
		L0004724 , L0004725 , L0004726 , L0004727 , L0004728 , L0004729 , L0004730 , L0004731 ,
		L0004732 , L0004733 , L0004734 , L0004735 , L0004736 , L0004737 , L0004738 , L0004739 ,
		L0004740 , L0004741 , L0004742 , L0004743 , L0004744 , L0004745 , L0004746 , L0004747 ,
		L0004748 , L0004749 , L0004750 , L0004751 , L0004752 , L0004753 , L0004754 , L0004755 ,
		L0004756 , L0004757 , L0004758 , L0004759 , L0004760 , L0004761 , L0004762 , L0004763 ,
		L0004764 , L0004765 , L0004766 , L0004767 , L0004768 , L0004769 , L0004770 , L0004771 ,
		L0004772 , L0004773 , L0004774 , L0004775 , L0004776 , L0004777 , L0004778 , L0004779 ,
		L0004780 , L0004781 , L0004782 , L0004783 , L0004784 , L0004785 , L0004786 , L0004787 ,
		L0004788 , L0004789 , L0004790 , L0004791 , L0004792 , L0004793 , L0004794 , L0004795 ,
		L0004796 , L0004797 , L0004798 , L0004799 , L0004800 , L0004801 , L0004802 , L0004803 ,
		L0004804 , L0004805 , L0004806 , L0004807 , L0004808 , L0004809 , L0004810 , L0004811 ,
		L0004812 , L0004813 , L0004814 , L0004815 , L0004816 , L0004817 , L0004818 , L0004819 ,
		L0004820 , L0004821 , L0004822 , L0004823 , L0004824 , L0004825 , L0004826 , L0004827 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0004828 , L0004829 , L0004830 , L0004831 , L0004832 , L0004833 , L0004834 , L0004835 ,
		L0004836 , L0004837 , L0004838 , L0004839 , L0004840 , L0004841 , L0004655 , L0004656 ,
		L0004657 , L0004658 , L0004659 , L0004660 , L0004661 , L0004662 , L0004663 , L0004664 ,
		L0004665 , L0004666 , L0004667 , L0004668 , L0004669 , L0004670 , L0004671 , L0004672 ,
		L0004673 , L0004674 , L0004675 , L0004676 , L0004677 , L0004678 , L0004679 , L0004680 ,
		L0004681 , L0004682 , L0004683 , L0004684 , L0004685 , L0004686 , L0004687 , L0004688 ,
		L0004689 , L0004690 , L0004691 , L0004692 , L0004693 , L0004694 , L0004695 , L0004696 ,
		L0004697 , L0004698 , L0004699 , L0004700 , L0004701 , L0004584 , L0004585 , L0004586 ,
		L0004587 , L0004588 , L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 ,
		L0004595 , L0004596 , L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 ,
		L0004603 , L0004604 , L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
		L0004611 , L0004612 , L0004613 , L0004614 , L0004615 , L0004616 , L0004617 , L0004618 ,
		L0004619 , L0004620 , L0004621 , L0004622 , L0004623 , L0004624 , L0004625 , L0004626 ,
		L0004627 , L0004628 , L0004629 , L0004630 , L0004631 , L0004632 , L0004633 , L0004634 ,
		L0004635 , L0004636 , L0004637 , L0004638 , L0004639 , L0004640 , L0004641 , L0004642 ,
		L0004643 , L0004644 , L0004645 , L0004646 , L0004647 , L0004648 , L0004649 , L0004650 ,
		L0004651 , L0004652 , L0004653 , L0004654 , L0004287 , L0004288 , L0004289 , L0004290 ,
		L0004291 , L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 ,
		L0004299 , L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 ,
		L0004307 , L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0004315 , L0004316 , L0004317 , L0004318 , L0004319 , L0004320 , L0004321 , L0004322 ,
		L0004323 , L0004324 , L0004325 , L0004326 , L0004327 , L0004328 , L0004329 , L0004330 ,
		L0004331 , L0004332 , L0004333 , L0004334 , L0004335 , L0004336 , L0004337 , L0004338 ,
		L0004339 , L0004340 , L0004341 , L0004342 , L0004343 , L0004344 , L0004345 , L0004346 ,
		L0004347 , L0004348 , L0004349 , L0004350 , L0004351 , L0004352 , L0004353 , L0004354 ,
		L0004355 , L0004356 , L0004357 , L0004358 , L0004359 , L0004360 , L0004361 , L0004362 ,
		L0004363 , L0004364 , L0004365 , L0004366 , L0004367 , L0004368 , L0004369 , L0004370 ,
		L0004371 , L0004372 , L0004373 , L0004374 , L0004375 , L0004376 , L0004377 , L0004378 ,
		L0004379 , L0004380 , L0004381 , L0004382 , L0004383 , L0004384 , L0004385 , L0004386 ,
		L0004387 , L0004388 , L0004389 , L0004390 , L0004391 , L0004392 , L0004393 , L0004394 ,
		L0004395 , L0004396 , L0004397 , L0004398 , L0004399 , L0004400 , L0004401 , L0004402 ,
		L0004403 , L0004404 , L0004405 , L0004406 , L0004407 , L0004408 , L0004409 , L0004410 ,
		L0004411 , L0004412 , L0004413 , L0004414 , L0004415 , L0004416 , L0004417 , L0004418 ,
		L0004419 , L0004420 , L0004421 , L0004422 , L0004423 , L0004424 , L0004425 , L0004426 ,
		L0004427 , L0004428 , L0004429 , L0004430 , L0004431 , L0004432 , L0004433 , L0004434 ,
		L0004435 , L0004436 , L0004437 , L0004438 , L0004439 , L0004440 , L0004441 , L0004442 ,
		L0004443 , L0004444 , L0004445 , L0004446 , L0004447 , L0004448 , L0004449 , L0004450 ,
		L0004451 , L0004452 , L0004453 , L0004454 , L0004455 , L0004456 , L0004457 , L0004458 ,
		L0004459 , L0004460 , L0004461 , L0004462 , L0004463 , L0004464 , L0004465 , L0004466 ,
		L0004467 , L0004468 , L0004469 , L0004470 , L0004471 , L0004472 , L0004473 , L0004474 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0004475 , L0004476 , L0004477 , L0004478 , L0004479 , L0004480 , L0004481 , L0004482 ,
		L0004483 , L0004484 , L0004485 , L0004486 , L0004487 , L0004488 , L0004489 , L0004490 ,
		L0004491 , L0004492 , L0004493 , L0004494 , L0004495 , L0004496 , L0004497 , L0004498 ,
		L0004499 , L0004500 , L0004501 , L0004502 , L0004503 , L0004504 , L0004505 , L0004506 ,
		L0004507 , L0004508 , L0004509 , L0004510 , L0004511 , L0004512 , L0004513 , L0004514 ,
		L0004515 , L0004516 , L0004517 , L0004518 , L0004519 , L0004520 , L0004521 , L0004522 ,
		L0004523 , L0004524 , L0004525 , L0004526 , L0004527 , L0004528 , L0004529 , L0004530 ,
		L0004531 , L0004532 , L0004533 , L0004534 , L0004535 , L0004536 , L0004537 , L0004538 ,
		L0004539 , L0004540 , L0004541 , L0004542 , L0004543 , L0004544 , L0004545 , L0004546 ,
		L0004547 , L0004548 , L0004549 , L0004550 , L0004551 , L0004552 , L0004553 , L0004554 ,
		L0004555 , L0004556 , L0004557 , L0004558 , L0004559 , L0004560 , L0004561 , L0004562 ,
		L0004563 , L0004564 , L0004565 , L0004566 , L0004567 , L0004568 , L0004569 , L0004570 ,
		L0004571 , L0004572 , L0004573 , L0004574 , L0004575 , L0004576 , L0004577 , L0004578 ,
		L0004579 , L0004580 , L0004581 , L0004582 , L0004583 , L0005222 , L0005223 , L0005224 ,
		L0005225 , L0005226 , L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 ,
		L0005233 , L0005234 , L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 ,
		L0005241 , L0005242 , L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
		L0005249 , L0005250 , L0005251 , L0005252 , L0005253 , L0005254 , L0004230 , L0004231 ,
		L0004232 , L0004233 , L0004234 , L0004235 , L0004236 , L0004237 , L0004238 , L0004239 ,
		L0004240 , L0004241 , L0004242 , L0004243 , L0004244 , L0004245 , L0004246 , L0004247 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0004248 , L0004249 , L0004250 , L0004251 , L0004252 , L0004253 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004842 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004843 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004844 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004845 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004846 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004847 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004848 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004849 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004850 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004851 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004852 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004853 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004854 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004855 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004856 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004857 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004858 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004859 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004860 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004861 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004862 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004863 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004864 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004865 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004866 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004867 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004868 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004869 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004870 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004871 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004872 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004873 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004874 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004875 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004876 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004877 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004878 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004879 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004880 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004881 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004882 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004883 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004884 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004885 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004886 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004887 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004888 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004889 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004890 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004891 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004892 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004893 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004894 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004895 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004896 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004897 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004898 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004899 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004900 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004901 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004902 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004903 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004904 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004905 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004906 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004907 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004908 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004909 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004910 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004911 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004912 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004913 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004914 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004915 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004916 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004917 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004918 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004919 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004920 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004921 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004922 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004923 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004924 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004925 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004926 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004927 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004928 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004929 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004930 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004931 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004932 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004933 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004934 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004935 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004936 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004937 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004938 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004939 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004940 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004941 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004942 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004943 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004944 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004945 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004946 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004947 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004948 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004949 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004950 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004951 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004952 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004953 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004954 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004955 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004956 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004957 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004958 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004959 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004960 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004961 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004962 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004963 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004964 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004965 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004966 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004967 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004968 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004969 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004970 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004971 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004972 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004973 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004974 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004975 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004976 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004977 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004978 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004979 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004980 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004981 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004982 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004983 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004984 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004985 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004986 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004987 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004988 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004989 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004990 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004991 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004992 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004993 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004994 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004995 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004996 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004997 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004998 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004999 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005000 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005001 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005002 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005003 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005004 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005005 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005006 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005007 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005008 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005009 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005010 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005011 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005012 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005014 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005015 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005016 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005018 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005019 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005020 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005021 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005024 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005025 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005026 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005027 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005028 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005029 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005030 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005031 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005032 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005033 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005034 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005035 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005036 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005037 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005038 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005039 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005040 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005041 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005042 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005043 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005044 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005045 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005046 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005047 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005048 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005049 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005050 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005051 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005052 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005053 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005054 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005055 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005056 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005057 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005058 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005059 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005060 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005061 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005062 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005063 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005064 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005065 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005066 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005067 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005068 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005069 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005070 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005071 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005072 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005073 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005074 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005075 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005076 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005077 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005078 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005079 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005080 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005081 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005082 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005083 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005084 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005085 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005086 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005087 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005088 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005089 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005090 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005091 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005092 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005093 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005094 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005095 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005096 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005097 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005098 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005099 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005100 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005101 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005102 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005103 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005104 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005105 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005106 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005107 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005108 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005109 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005110 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005111 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005112 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005113 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005114 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005116 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005117 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005118 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005119 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005120 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005121 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005122 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005123 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005124 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005125 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005126 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005127 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005128 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005129 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005130 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005131 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005132 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005133 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005134 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005135 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005136 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005137 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005138 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005139 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005140 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005141 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005142 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005143 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005144 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005145 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005146 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005147 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005148 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005149 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005150 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005151 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005152 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005153 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005154 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005155 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005156 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005157 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005158 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005159 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005160 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005161 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005162 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005163 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005164 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005165 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005166 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005167 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005168 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005169 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005170 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005171 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005172 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005173 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005174 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005175 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005176 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005177 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005178 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005179 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005180 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005181 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005182 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005183 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005184 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005185 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005186 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005187 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005188 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005189 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005190 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005191 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005192 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005193 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005194 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005195 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005196 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005197 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005198 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005199 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005200 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005201 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005202 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005203 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005204 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005205 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005206 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005207 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005208 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005209 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005210 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005211 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005212 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005213 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005214 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005215 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005216 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005217 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005218 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005219 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005220 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005221 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004702 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004703 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004704 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004705 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004706 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004707 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004708 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004709 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004710 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004711 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004712 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004713 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004714 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004715 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004716 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004717 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004718 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004719 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004720 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004721 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004722 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004723 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004724 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004725 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004726 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004727 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004728 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004729 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004730 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004731 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004732 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004733 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004734 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004735 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004736 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004737 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004738 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004739 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004740 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004741 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004742 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004743 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004744 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004745 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004746 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004747 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004748 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004749 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004750 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004751 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004752 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004753 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004754 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004755 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004756 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004757 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004758 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004759 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004760 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004761 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004762 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004763 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004764 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004765 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004766 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004767 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004768 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004769 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004770 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004771 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004772 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004773 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004774 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004775 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004776 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004777 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004778 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004779 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004780 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004781 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004782 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004783 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004784 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004785 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004786 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004787 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004788 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004789 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004790 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004791 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004792 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004793 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004794 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004795 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004796 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004797 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004798 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004799 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004800 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004801 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004802 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004803 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004804 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004805 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004806 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004807 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004808 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004809 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004810 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004811 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004812 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004813 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004814 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004815 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004816 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004817 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004818 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004819 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004820 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004821 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004822 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004823 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004824 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004825 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004826 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004827 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004828 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004829 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004830 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004831 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004832 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004833 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004834 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004835 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004836 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004837 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004838 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004839 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004840 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004841 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004655 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004656 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004657 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004658 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004659 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004660 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004661 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004662 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004663 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004664 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004665 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004666 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004667 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004668 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004669 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004670 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004671 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004672 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004673 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004674 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004675 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004676 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004677 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004678 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004679 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004680 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004681 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004682 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004683 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004684 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004685 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004686 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004687 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004688 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004689 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004690 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004691 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004692 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004693 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004694 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004695 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004696 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004697 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004698 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004699 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004700 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004701 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004584 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004585 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004586 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004587 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004588 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004589 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004590 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004591 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004592 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004593 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004594 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004595 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004596 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004597 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004598 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004599 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004600 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004601 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004602 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004603 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004604 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004605 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004606 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004607 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004608 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004609 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004610 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004611 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004612 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004613 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004614 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004615 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004616 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004617 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004618 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004619 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004620 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004621 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004622 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004623 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004624 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004625 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004626 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004627 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004628 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004629 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004630 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004631 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004632 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004633 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004634 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004635 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004636 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004637 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004638 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004639 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004640 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004641 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004642 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004643 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004644 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004645 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004646 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004647 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004648 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004649 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004650 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004651 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004652 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004653 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004654 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004287 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004288 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004289 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004290 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004291 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004292 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004293 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004294 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004295 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004296 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004297 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004298 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004299 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004300 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004301 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004302 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004303 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004304 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004305 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004306 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004307 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004308 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004309 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004310 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004311 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004312 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004313 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004314 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004315 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004316 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004317 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004318 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004319 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004320 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004321 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004322 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004323 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004324 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004325 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004326 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004327 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004328 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004329 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004330 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004331 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004332 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004333 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004334 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004335 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004336 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004337 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004338 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004339 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004340 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004341 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004342 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004343 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004344 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004345 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004346 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004347 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004348 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004349 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004350 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004351 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004352 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004353 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004354 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004355 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004356 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004357 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004358 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004359 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004360 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004361 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004362 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004363 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004364 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004365 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004366 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004367 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004368 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004369 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004370 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004371 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004372 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004373 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004374 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004375 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004376 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004377 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004378 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004379 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004380 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004381 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004382 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004383 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004384 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004385 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004386 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004387 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004388 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004389 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004390 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004391 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004392 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004393 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004394 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004395 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004396 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004397 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004398 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004399 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004400 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004401 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004402 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004403 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004404 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004405 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004406 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004407 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004408 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004409 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004410 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004411 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004412 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004413 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004414 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004415 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004416 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004417 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004418 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004419 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004420 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004421 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004422 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004423 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004424 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004425 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004426 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004427 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004428 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004429 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004430 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004431 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004432 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004433 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004434 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004435 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004436 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004437 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004438 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004439 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004440 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004441 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004442 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004443 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004444 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004445 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004446 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004447 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004448 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004449 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004450 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004451 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004452 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004453 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004454 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004455 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004456 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004457 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004458 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004459 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004460 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004461 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004462 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004463 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004464 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004465 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004466 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004467 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004468 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004469 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004470 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004471 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004472 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004473 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004474 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004475 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004476 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004477 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004478 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004479 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004480 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004481 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004482 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004483 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004484 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004485 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004486 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004487 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004488 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004489 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004490 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004491 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004492 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004493 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004494 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004495 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004496 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004497 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004498 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004499 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004500 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004501 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004502 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004503 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004504 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004505 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004506 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004507 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004508 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004509 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004510 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004511 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004512 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004513 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004514 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004515 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004516 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004517 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004518 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004519 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004520 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004521 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004522 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004523 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004524 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004525 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004526 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004527 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004528 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004529 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004530 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004531 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004532 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004533 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004534 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004535 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004536 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004537 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004538 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004539 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004540 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004541 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004542 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004543 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004544 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004545 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004546 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004547 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004548 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004549 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004550 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004551 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004552 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004553 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004554 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004555 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004556 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004557 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004558 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004559 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004560 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004561 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004562 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004563 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004564 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004565 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004566 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004567 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004568 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004569 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004570 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004571 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004572 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004573 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004574 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004575 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004576 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004577 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004578 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004579 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004580 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004581 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004582 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004583 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005222 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005223 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005224 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005225 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005226 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005227 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005228 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005229 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005230 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005231 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005232 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005233 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005234 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005235 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005236 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005237 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005238 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005239 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005240 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005241 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005242 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005243 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005244 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005245 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005246 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005247 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005248 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005249 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005250 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005251 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005252 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005253 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0005254 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004230 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004231 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004232 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004233 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004234 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004235 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004236 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004237 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004238 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004239 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004240 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004241 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004242 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004243 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004244 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004245 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004246 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004247 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004248 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004249 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004250 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004251 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004252 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0004253 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	442230.0,	3771880.0,	340.9,	3068.2,	0.0);	(	442330.0,	3771880.0,	340.1,	3068.2,	0.0);
(	442430.0,	3771880.0,	339.4,	3068.2,	0.0);	(	442530.0,	3771880.0,	338.4,	3068.2,	0.0);
(	442630.0,	3771880.0,	337.9,	3068.2,	0.0);	(	442730.0,	3771880.0,	337.8,	3068.2,	0.0);
(	442830.0,	3771880.0,	336.7,	3068.2,	0.0);	(	442930.0,	3771880.0,	335.6,	3068.2,	0.0);
(	443030.0,	3771880.0,	335.1,	3068.2,	0.0);	(	443130.0,	3771880.0,	334.1,	3068.2,	0.0);
(	443230.0,	3771880.0,	332.9,	3068.2,	0.0);	(	443330.0,	3771880.0,	331.8,	3068.2,	0.0);
(	443430.0,	3771880.0,	330.8,	3068.2,	0.0);	(	443530.0,	3771880.0,	329.8,	3068.2,	0.0);
(	443630.0,	3771880.0,	329.0,	3068.2,	0.0);	(	443730.0,	3771880.0,	327.6,	3068.2,	0.0);
(	443830.0,	3771880.0,	327.4,	3068.2,	0.0);	(	443930.0,	3771880.0,	327.0,	3068.2,	0.0);
(	444030.0,	3771880.0,	325.7,	3068.2,	0.0);	(	444130.0,	3771880.0,	325.7,	3068.2,	0.0);
(	444230.0,	3771880.0,	325.4,	3068.2,	0.0);	(	444330.0,	3771880.0,	323.8,	3068.2,	0.0);
(	442230.0,	3771980.0,	342.3,	3068.2,	0.0);	(	442330.0,	3771980.0,	341.8,	3068.2,	0.0);
(	442430.0,	3771980.0,	341.1,	3068.2,	0.0);	(	442530.0,	3771980.0,	340.4,	3068.2,	0.0);
(	442630.0,	3771980.0,	339.5,	3068.2,	0.0);	(	442730.0,	3771980.0,	339.7,	3068.2,	0.0);
(	442830.0,	3771980.0,	338.3,	3068.2,	0.0);	(	442930.0,	3771980.0,	337.9,	3068.2,	0.0);
(	443030.0,	3771980.0,	336.7,	3068.2,	0.0);	(	443130.0,	3771980.0,	335.4,	3068.2,	0.0);
(	443230.0,	3771980.0,	333.8,	3068.2,	0.0);	(	443330.0,	3771980.0,	333.1,	3068.2,	0.0);
(	443430.0,	3771980.0,	332.7,	3068.2,	0.0);	(	443530.0,	3771980.0,	332.4,	3068.2,	0.0);
(	443630.0,	3771980.0,	330.1,	3068.2,	0.0);	(	443730.0,	3771980.0,	329.0,	3068.2,	0.0);
(	443830.0,	3771980.0,	329.4,	3068.2,	0.0);	(	443930.0,	3771980.0,	329.0,	3068.2,	0.0);
(	444030.0,	3771980.0,	327.6,	3068.2,	0.0);	(	444130.0,	3771980.0,	325.9,	3068.2,	0.0);
(	444230.0,	3771980.0,	323.9,	3068.2,	0.0);	(	444330.0,	3771980.0,	325.8,	3068.2,	0.0);
(	442230.0,	3772080.0,	344.1,	3068.2,	0.0);	(	442330.0,	3772080.0,	343.5,	3068.2,	0.0);
(	442430.0,	3772080.0,	343.1,	3068.2,	0.0);	(	442530.0,	3772080.0,	342.7,	3068.2,	0.0);
(	442630.0,	3772080.0,	341.9,	3068.2,	0.0);	(	442730.0,	3772080.0,	341.1,	3068.2,	0.0);
(	442830.0,	3772080.0,	340.2,	3068.2,	0.0);	(	442930.0,	3772080.0,	339.2,	3068.2,	0.0);
(	443030.0,	3772080.0,	338.4,	3068.2,	0.0);	(	443130.0,	3772080.0,	336.7,	3068.2,	0.0);
(	443230.0,	3772080.0,	335.2,	3068.2,	0.0);	(	443330.0,	3772080.0,	334.2,	3068.2,	0.0);
(	443430.0,	3772080.0,	333.5,	3068.2,	0.0);	(	443530.0,	3772080.0,	334.4,	3068.2,	0.0);
(	443630.0,	3772080.0,	331.9,	3068.2,	0.0);	(	443730.0,	3772080.0,	330.7,	3068.2,	0.0);
(	443830.0,	3772080.0,	331.2,	3068.2,	0.0);	(	443930.0,	3772080.0,	330.2,	3068.2,	0.0);
(	444030.0,	3772080.0,	328.9,	3068.2,	0.0);	(	444130.0,	3772080.0,	327.9,	3068.2,	0.0);
(	444230.0,	3772080.0,	327.5,	3068.2,	0.0);	(	444330.0,	3772080.0,	327.4,	3068.2,	0.0);
(	442230.0,	3772180.0,	346.1,	3068.2,	0.0);	(	442330.0,	3772180.0,	345.4,	3068.2,	0.0);
(	442430.0,	3772180.0,	345.3,	3068.2,	0.0);	(	442530.0,	3772180.0,	344.6,	3068.2,	0.0);
(	442630.0,	3772180.0,	343.9,	3068.2,	0.0);	(	442730.0,	3772180.0,	343.1,	3068.2,	0.0);
(	442830.0,	3772180.0,	342.4,	3068.2,	0.0);	(	442930.0,	3772180.0,	340.6,	3068.2,	0.0);
(	443030.0,	3772180.0,	339.2,	3068.2,	0.0);	(	443130.0,	3772180.0,	338.1,	3068.2,	0.0);
(	443230.0,	3772180.0,	337.2,	3068.2,	0.0);	(	443330.0,	3772180.0,	337.1,	3068.2,	0.0);
(	443430.0,	3772180.0,	335.7,	3068.2,	0.0);	(	443530.0,	3772180.0,	334.9,	3068.2,	0.0);
(	443630.0,	3772180.0,	333.9,	3068.2,	0.0);	(	443730.0,	3772180.0,	334.3,	3068.2,	0.0);
(	443830.0,	3772180.0,	332.8,	3068.2,	0.0);	(	443930.0,	3772180.0,	332.2,	3068.2,	0.0);
(	444030.0,	3772180.0,	328.1,	3068.2,	0.0);	(	444130.0,	3772180.0,	329.4,	3068.2,	0.0);
(	444230.0,	3772180.0,	328.6,	3068.2,	0.0);	(	444330.0,	3772180.0,	328.9,	3068.2,	0.0);
(	442230.0,	3772280.0,	348.0,	3068.2,	0.0);	(	442330.0,	3772280.0,	347.0,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(442430.0,	3772280.0,	346.8,	3068.2,	0.0);	(442530.0,	3772280.0,	346.8,	3068.2,	0.0);
(442630.0,	3772280.0,	346.3,	3068.2,	0.0);	(442730.0,	3772280.0,	344.6,	3068.2,	0.0);
(442830.0,	3772280.0,	343.4,	3068.2,	0.0);	(442930.0,	3772280.0,	342.0,	3068.2,	0.0);
(443030.0,	3772280.0,	340.9,	3068.2,	0.0);	(443130.0,	3772280.0,	339.6,	3068.2,	0.0);
(443230.0,	3772280.0,	338.2,	3068.2,	0.0);	(443330.0,	3772280.0,	337.5,	3068.2,	0.0);
(443430.0,	3772280.0,	336.6,	3068.2,	0.0);	(443530.0,	3772280.0,	335.8,	3068.2,	0.0);
(443630.0,	3772280.0,	335.7,	3068.2,	0.0);	(443730.0,	3772280.0,	334.7,	3068.2,	0.0);
(443830.0,	3772280.0,	334.7,	3068.2,	0.0);	(443930.0,	3772280.0,	333.7,	3068.2,	0.0);
(444030.0,	3772280.0,	331.8,	3068.2,	0.0);	(444130.0,	3772280.0,	330.7,	3068.2,	0.0);
(444230.0,	3772280.0,	329.6,	3068.2,	0.0);	(444330.0,	3772280.0,	330.4,	3068.2,	0.0);
(442230.0,	3772380.0,	349.8,	3068.2,	0.0);	(442330.0,	3772380.0,	348.8,	3068.2,	0.0);
(442430.0,	3772380.0,	349.3,	3068.2,	0.0);	(442530.0,	3772380.0,	349.2,	3068.2,	0.0);
(442630.0,	3772380.0,	347.7,	3068.2,	0.0);	(442730.0,	3772380.0,	345.6,	3068.2,	0.0);
(442830.0,	3772380.0,	344.6,	3068.2,	0.0);	(442930.0,	3772380.0,	344.0,	3068.2,	0.0);
(443030.0,	3772380.0,	342.8,	3068.2,	0.0);	(443130.0,	3772380.0,	341.7,	3068.2,	0.0);
(443230.0,	3772380.0,	340.7,	3068.2,	0.0);	(443330.0,	3772380.0,	339.0,	3068.2,	0.0);
(443430.0,	3772380.0,	338.1,	3068.2,	0.0);	(443530.0,	3772380.0,	337.5,	3068.2,	0.0);
(443630.0,	3772380.0,	337.4,	3068.2,	0.0);	(443730.0,	3772380.0,	336.1,	3068.2,	0.0);
(443830.0,	3772380.0,	335.9,	3068.2,	0.0);	(443930.0,	3772380.0,	335.4,	3068.2,	0.0);
(444030.0,	3772380.0,	333.3,	3068.2,	0.0);	(444130.0,	3772380.0,	332.9,	3068.2,	0.0);
(444230.0,	3772380.0,	331.5,	3068.2,	0.0);	(444330.0,	3772380.0,	332.1,	3068.2,	0.0);
(442230.0,	3772480.0,	351.9,	3068.2,	0.0);	(442330.0,	3772480.0,	351.5,	3068.2,	0.0);
(442430.0,	3772480.0,	351.3,	3068.2,	0.0);	(442530.0,	3772480.0,	350.0,	3068.2,	0.0);
(442630.0,	3772480.0,	348.0,	3068.2,	0.0);	(442730.0,	3772480.0,	347.4,	3068.2,	0.0);
(442830.0,	3772480.0,	346.4,	3068.2,	0.0);	(442930.0,	3772480.0,	346.3,	3068.2,	0.0);
(443030.0,	3772480.0,	344.2,	3068.2,	0.0);	(443130.0,	3772480.0,	343.8,	3068.2,	0.0);
(443230.0,	3772480.0,	342.6,	3068.2,	0.0);	(443330.0,	3772480.0,	341.0,	3068.2,	0.0);
(443430.0,	3772480.0,	340.0,	3068.2,	0.0);	(443530.0,	3772480.0,	339.1,	3068.2,	0.0);
(443630.0,	3772480.0,	339.0,	3068.2,	0.0);	(443730.0,	3772480.0,	337.9,	3068.2,	0.0);
(443830.0,	3772480.0,	338.2,	3068.2,	0.0);	(443930.0,	3772480.0,	336.1,	3068.2,	0.0);
(444030.0,	3772480.0,	334.2,	3068.2,	0.0);	(444130.0,	3772480.0,	334.1,	3068.2,	0.0);
(444230.0,	3772480.0,	333.4,	3068.2,	0.0);	(444330.0,	3772480.0,	333.3,	3068.2,	0.0);
(442230.0,	3772580.0,	355.2,	3068.2,	0.0);	(442330.0,	3772580.0,	354.4,	3068.2,	0.0);
(442430.0,	3772580.0,	353.0,	3068.2,	0.0);	(442530.0,	3772580.0,	352.7,	3068.2,	0.0);
(442630.0,	3772580.0,	351.4,	3068.2,	0.0);	(442730.0,	3772580.0,	350.4,	3068.2,	0.0);
(442830.0,	3772580.0,	349.6,	3068.2,	0.0);	(442930.0,	3772580.0,	347.8,	3068.2,	0.0);
(443030.0,	3772580.0,	346.7,	3068.2,	0.0);	(443130.0,	3772580.0,	345.5,	3068.2,	0.0);
(443230.0,	3772580.0,	344.4,	3068.2,	0.0);	(443330.0,	3772580.0,	343.6,	3068.2,	0.0);
(443430.0,	3772580.0,	342.5,	3068.2,	0.0);	(443530.0,	3772580.0,	341.7,	3068.2,	0.0);
(443630.0,	3772580.0,	341.7,	3068.2,	0.0);	(443730.0,	3772580.0,	339.9,	3068.2,	0.0);
(443830.0,	3772580.0,	337.5,	3068.2,	0.0);	(443930.0,	3772580.0,	338.0,	3068.2,	0.0);
(444030.0,	3772580.0,	336.4,	3068.2,	0.0);	(444130.0,	3772580.0,	335.6,	3068.2,	0.0);
(444230.0,	3772580.0,	336.3,	3068.2,	0.0);	(444330.0,	3772580.0,	336.3,	3068.2,	0.0);
(442230.0,	3772680.0,	356.7,	3068.2,	0.0);	(442330.0,	3772680.0,	355.6,	3068.2,	0.0);
(442430.0,	3772680.0,	354.2,	3068.2,	0.0);	(442530.0,	3772680.0,	353.1,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	442630.0,	3772680.0,	352.3,	3068.2,	0.0);	(	442730.0,	3772680.0,	351.8,	3068.2,	0.0);
(	442830.0,	3772680.0,	351.1,	3068.2,	0.0);	(	443630.0,	3772680.0,	343.1,	3068.2,	0.0);
(	443730.0,	3772680.0,	339.4,	3068.2,	0.0);	(	443830.0,	3772680.0,	341.2,	3068.2,	0.0);
(	443930.0,	3772680.0,	339.7,	3068.2,	0.0);	(	444030.0,	3772680.0,	337.7,	3068.2,	0.0);
(	444130.0,	3772680.0,	337.6,	3068.2,	0.0);	(	444230.0,	3772680.0,	337.7,	3068.2,	0.0);
(	444330.0,	3772680.0,	337.5,	3068.2,	0.0);	(	442230.0,	3772780.0,	358.7,	3068.2,	0.0);
(	442330.0,	3772780.0,	357.9,	3068.2,	0.0);	(	442430.0,	3772780.0,	356.7,	3068.2,	0.0);
(	442530.0,	3772780.0,	355.7,	3068.2,	0.0);	(	442630.0,	3772780.0,	354.5,	3068.2,	0.0);
(	442730.0,	3772780.0,	354.2,	3068.2,	0.0);	(	442830.0,	3772780.0,	353.1,	3068.2,	0.0);
(	443130.0,	3772780.0,	349.8,	3068.2,	0.0);	(	443630.0,	3772780.0,	344.3,	3068.2,	0.0);
(	443730.0,	3772780.0,	342.7,	3068.2,	0.0);	(	443830.0,	3772780.0,	340.4,	3068.2,	0.0);
(	443930.0,	3772780.0,	340.8,	3068.2,	0.0);	(	444030.0,	3772780.0,	339.8,	3068.2,	0.0);
(	444130.0,	3772780.0,	339.3,	3068.2,	0.0);	(	444230.0,	3772780.0,	339.0,	3068.2,	0.0);
(	444330.0,	3772780.0,	340.0,	3068.2,	0.0);	(	442230.0,	3772880.0,	360.6,	3068.2,	0.0);
(	442330.0,	3772880.0,	359.9,	3068.2,	0.0);	(	442430.0,	3772880.0,	359.9,	3068.2,	0.0);
(	442530.0,	3772880.0,	358.6,	3068.2,	0.0);	(	442630.0,	3772880.0,	358.0,	3068.2,	0.0);
(	442730.0,	3772880.0,	356.8,	3068.2,	0.0);	(	442830.0,	3772880.0,	355.2,	3068.2,	0.0);
(	442930.0,	3772880.0,	354.3,	3068.2,	0.0);	(	443030.0,	3772880.0,	351.9,	3068.2,	0.0);
(	443130.0,	3772880.0,	351.0,	3068.2,	0.0);	(	443530.0,	3772880.0,	345.4,	3068.2,	0.0);
(	443630.0,	3772880.0,	345.2,	3068.2,	0.0);	(	443730.0,	3772880.0,	345.1,	3068.2,	0.0);
(	443830.0,	3772880.0,	344.8,	3068.2,	0.0);	(	443930.0,	3772880.0,	343.8,	3068.2,	0.0);
(	444030.0,	3772880.0,	342.5,	3068.2,	0.0);	(	444130.0,	3772880.0,	341.3,	3068.2,	0.0);
(	444230.0,	3772880.0,	340.2,	3068.2,	0.0);	(	444330.0,	3772880.0,	340.7,	3068.2,	0.0);
(	442230.0,	3772980.0,	362.8,	3068.2,	0.0);	(	442330.0,	3772980.0,	362.4,	3068.2,	0.0);
(	442430.0,	3772980.0,	362.0,	3068.2,	0.0);	(	442530.0,	3772980.0,	361.2,	3068.2,	0.0);
(	442630.0,	3772980.0,	360.4,	3068.2,	0.0);	(	442730.0,	3772980.0,	359.9,	3068.2,	0.0);
(	442830.0,	3772980.0,	357.8,	3068.2,	0.0);	(	442930.0,	3772980.0,	356.6,	3068.2,	0.0);
(	443030.0,	3772980.0,	355.0,	3068.2,	0.0);	(	443130.0,	3772980.0,	353.5,	3068.2,	0.0);
(	443230.0,	3772980.0,	352.1,	3068.2,	0.0);	(	443330.0,	3772980.0,	350.4,	3068.2,	0.0);
(	443430.0,	3772980.0,	348.9,	3068.2,	0.0);	(	443530.0,	3772980.0,	348.6,	3068.2,	0.0);
(	443630.0,	3772980.0,	347.7,	3068.2,	0.0);	(	443730.0,	3772980.0,	348.6,	3068.2,	0.0);
(	443830.0,	3772980.0,	347.6,	3068.2,	0.0);	(	443930.0,	3772980.0,	345.9,	3068.2,	0.0);
(	444030.0,	3772980.0,	344.9,	3068.2,	0.0);	(	444130.0,	3772980.0,	343.7,	3068.2,	0.0);
(	444230.0,	3772980.0,	342.7,	3068.2,	0.0);	(	444330.0,	3772980.0,	343.1,	3068.2,	0.0);
(	442230.0,	3773080.0,	364.9,	3068.2,	0.0);	(	442330.0,	3773080.0,	364.7,	3068.2,	0.0);
(	442430.0,	3773080.0,	364.5,	3068.2,	0.0);	(	442530.0,	3773080.0,	363.5,	3068.2,	0.0);
(	442630.0,	3773080.0,	362.8,	3068.2,	0.0);	(	442730.0,	3773080.0,	361.1,	3068.2,	0.0);
(	442830.0,	3773080.0,	360.2,	3068.2,	0.0);	(	442930.0,	3773080.0,	358.0,	3068.2,	0.0);
(	443030.0,	3773080.0,	357.1,	3068.2,	0.0);	(	443130.0,	3773080.0,	356.1,	3068.2,	0.0);
(	443230.0,	3773080.0,	354.1,	3068.2,	0.0);	(	443330.0,	3773080.0,	352.1,	3068.2,	0.0);
(	443430.0,	3773080.0,	350.3,	3068.2,	0.0);	(	443530.0,	3773080.0,	350.0,	3068.2,	0.0);
(	443630.0,	3773080.0,	350.1,	3068.2,	0.0);	(	443730.0,	3773080.0,	349.9,	3068.2,	0.0);
(	443830.0,	3773080.0,	347.8,	3068.2,	0.0);	(	443930.0,	3773080.0,	346.3,	3068.2,	0.0);
(	444030.0,	3773080.0,	346.5,	3068.2,	0.0);	(	444130.0,	3773080.0,	345.7,	3068.2,	0.0);
(	444230.0,	3773080.0,	344.5,	3068.2,	0.0);	(	444330.0,	3773080.0,	344.4,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(442230.0,	3773180.0,	367.7,	3068.2,	0.0);	(442330.0,	3773180.0,	367.5,	3068.2,	0.0);
(442430.0,	3773180.0,	366.9,	3068.2,	0.0);	(442530.0,	3773180.0,	366.2,	3068.2,	0.0);
(442630.0,	3773180.0,	365.3,	3068.2,	0.0);	(442730.0,	3773180.0,	363.7,	3068.2,	0.0);
(442830.0,	3773180.0,	362.3,	3068.2,	0.0);	(442930.0,	3773180.0,	361.2,	3068.2,	0.0);
(443030.0,	3773180.0,	359.5,	3068.2,	0.0);	(443130.0,	3773180.0,	357.9,	3068.2,	0.0);
(443230.0,	3773180.0,	355.8,	3068.2,	0.0);	(443330.0,	3773180.0,	353.7,	3068.2,	0.0);
(443430.0,	3773180.0,	352.4,	3068.2,	0.0);	(443530.0,	3773180.0,	353.7,	3068.2,	0.0);
(443630.0,	3773180.0,	352.6,	3068.2,	0.0);	(443730.0,	3773180.0,	352.1,	3068.2,	0.0);
(443830.0,	3773180.0,	351.6,	3068.2,	0.0);	(443930.0,	3773180.0,	350.4,	3068.2,	0.0);
(444030.0,	3773180.0,	350.3,	3068.2,	0.0);	(444130.0,	3773180.0,	347.6,	3068.2,	0.0);
(444230.0,	3773180.0,	347.5,	3068.2,	0.0);	(444330.0,	3773180.0,	346.9,	3068.2,	0.0);
(442230.0,	3773280.0,	370.2,	3068.2,	0.0);	(442330.0,	3773280.0,	369.8,	3068.2,	0.0);
(442430.0,	3773280.0,	369.3,	3068.2,	0.0);	(442530.0,	3773280.0,	368.9,	3068.2,	0.0);
(442630.0,	3773280.0,	367.4,	3068.2,	0.0);	(442730.0,	3773280.0,	366.2,	3068.2,	0.0);
(442830.0,	3773280.0,	364.7,	3068.2,	0.0);	(442930.0,	3773280.0,	362.6,	3068.2,	0.0);
(443030.0,	3773280.0,	361.8,	3068.2,	0.0);	(443130.0,	3773280.0,	359.5,	3068.2,	0.0);
(443230.0,	3773280.0,	357.6,	3068.2,	0.0);	(443330.0,	3773280.0,	355.4,	3068.2,	0.0);
(443430.0,	3773280.0,	354.5,	3068.2,	0.0);	(443530.0,	3773280.0,	355.1,	3068.2,	0.0);
(443630.0,	3773280.0,	354.9,	3068.2,	0.0);	(443730.0,	3773280.0,	354.8,	3068.2,	0.0);
(443830.0,	3773280.0,	351.9,	3068.2,	0.0);	(443930.0,	3773280.0,	351.9,	3068.2,	0.0);
(444030.0,	3773280.0,	351.3,	3068.2,	0.0);	(444130.0,	3773280.0,	349.2,	3068.2,	0.0);
(444230.0,	3773280.0,	349.1,	3068.2,	0.0);	(444330.0,	3773280.0,	349.1,	3068.2,	0.0);
(442230.0,	3773380.0,	373.5,	3068.2,	0.0);	(442330.0,	3773380.0,	372.8,	3068.2,	0.0);
(442430.0,	3773380.0,	372.1,	3068.2,	0.0);	(442530.0,	3773380.0,	371.5,	3068.2,	0.0);
(442630.0,	3773380.0,	370.9,	3068.2,	0.0);	(442730.0,	3773380.0,	368.2,	3068.2,	0.0);
(442830.0,	3773380.0,	367.1,	3068.2,	0.0);	(442930.0,	3773380.0,	365.3,	3068.2,	0.0);
(443030.0,	3773380.0,	363.0,	3068.2,	0.0);	(443130.0,	3773380.0,	361.2,	3068.2,	0.0);
(443230.0,	3773380.0,	359.3,	3068.2,	0.0);	(443330.0,	3773380.0,	357.2,	3068.2,	0.0);
(443430.0,	3773380.0,	353.0,	3068.2,	0.0);	(443530.0,	3773380.0,	357.0,	3068.2,	0.0);
(443630.0,	3773380.0,	356.9,	3068.2,	0.0);	(443730.0,	3773380.0,	356.1,	3068.2,	0.0);
(443830.0,	3773380.0,	355.0,	3068.2,	0.0);	(443930.0,	3773380.0,	353.8,	3068.2,	0.0);
(444030.0,	3773380.0,	353.7,	3068.2,	0.0);	(444130.0,	3773380.0,	351.8,	3068.2,	0.0);
(444230.0,	3773380.0,	351.1,	3068.2,	0.0);	(444330.0,	3773380.0,	350.7,	3068.2,	0.0);
(442230.0,	3773480.0,	375.8,	3068.2,	0.0);	(442330.0,	3773480.0,	375.2,	3068.2,	0.0);
(442430.0,	3773480.0,	374.9,	3068.2,	0.0);	(442530.0,	3773480.0,	373.5,	3068.2,	0.0);
(442630.0,	3773480.0,	372.9,	3068.2,	0.0);	(442730.0,	3773480.0,	370.2,	3068.2,	0.0);
(442830.0,	3773480.0,	369.3,	3068.2,	0.0);	(442930.0,	3773480.0,	367.2,	3068.2,	0.0);
(443030.0,	3773480.0,	365.1,	3068.2,	0.0);	(443130.0,	3773480.0,	362.6,	3068.2,	0.0);
(443230.0,	3773480.0,	361.1,	3068.2,	0.0);	(443330.0,	3773480.0,	359.5,	3068.2,	0.0);
(443430.0,	3773480.0,	360.6,	3068.2,	0.0);	(443530.0,	3773480.0,	359.9,	3068.2,	0.0);
(443630.0,	3773480.0,	359.0,	3068.2,	0.0);	(443730.0,	3773480.0,	359.1,	3068.2,	0.0);
(443830.0,	3773480.0,	357.0,	3068.2,	0.0);	(443930.0,	3773480.0,	356.5,	3068.2,	0.0);
(444030.0,	3773480.0,	355.2,	3068.2,	0.0);	(444130.0,	3773480.0,	354.0,	3068.2,	0.0);
(444230.0,	3773480.0,	353.5,	3068.2,	0.0);	(444330.0,	3773480.0,	353.2,	3068.2,	0.0);
(442230.0,	3773580.0,	378.8,	3068.2,	0.0);	(442330.0,	3773580.0,	377.7,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(442430.0,	3773580.0,	377.0,	3068.2,	0.0);	(442530.0,	3773580.0,	376.1,	3068.2,	0.0);
(442630.0,	3773580.0,	375.4,	3068.2,	0.0);	(442730.0,	3773580.0,	373.4,	3068.2,	0.0);
(442830.0,	3773580.0,	371.3,	3068.2,	0.0);	(442930.0,	3773580.0,	369.0,	3068.2,	0.0);
(443030.0,	3773580.0,	366.2,	3068.2,	0.0);	(443130.0,	3773580.0,	364.5,	3068.2,	0.0);
(443230.0,	3773580.0,	363.5,	3068.2,	0.0);	(443330.0,	3773580.0,	363.2,	3068.2,	0.0);
(443430.0,	3773580.0,	362.1,	3068.2,	0.0);	(443530.0,	3773580.0,	361.4,	3068.2,	0.0);
(443630.0,	3773580.0,	361.5,	3068.2,	0.0);	(443730.0,	3773580.0,	361.5,	3068.2,	0.0);
(443830.0,	3773580.0,	359.7,	3068.2,	0.0);	(443930.0,	3773580.0,	359.1,	3068.2,	0.0);
(444030.0,	3773580.0,	357.8,	3068.2,	0.0);	(444130.0,	3773580.0,	355.2,	3068.2,	0.0);
(444230.0,	3773580.0,	354.2,	3068.2,	0.0);	(444330.0,	3773580.0,	354.6,	3068.2,	0.0);
(442380.0,	3772130.0,	344.9,	3068.2,	0.0);	(442480.0,	3772130.0,	344.2,	3068.2,	0.0);
(442580.0,	3772130.0,	343.5,	3068.2,	0.0);	(442680.0,	3772130.0,	342.7,	3068.2,	0.0);
(442780.0,	3772130.0,	342.2,	3068.2,	0.0);	(442880.0,	3772130.0,	340.8,	3068.2,	0.0);
(442980.0,	3772130.0,	338.9,	3068.2,	0.0);	(443080.0,	3772130.0,	337.7,	3068.2,	0.0);
(443180.0,	3772130.0,	336.6,	3068.2,	0.0);	(443280.0,	3772130.0,	335.7,	3068.2,	0.0);
(443380.0,	3772130.0,	334.8,	3068.2,	0.0);	(443480.0,	3772130.0,	334.1,	3068.2,	0.0);
(443580.0,	3772130.0,	333.3,	3068.2,	0.0);	(443680.0,	3772130.0,	333.2,	3068.2,	0.0);
(443780.0,	3772130.0,	331.7,	3068.2,	0.0);	(443880.0,	3772130.0,	330.5,	3068.2,	0.0);
(443980.0,	3772130.0,	329.4,	3068.2,	0.0);	(444080.0,	3772130.0,	328.0,	3068.2,	0.0);
(442380.0,	3772230.0,	346.3,	3068.2,	0.0);	(442480.0,	3772230.0,	346.0,	3068.2,	0.0);
(442580.0,	3772230.0,	345.8,	3068.2,	0.0);	(442680.0,	3772230.0,	344.7,	3068.2,	0.0);
(442780.0,	3772230.0,	343.2,	3068.2,	0.0);	(442880.0,	3772230.0,	341.1,	3068.2,	0.0);
(442980.0,	3772230.0,	339.6,	3068.2,	0.0);	(443080.0,	3772230.0,	338.5,	3068.2,	0.0);
(443180.0,	3772230.0,	337.6,	3068.2,	0.0);	(443280.0,	3772230.0,	337.5,	3068.2,	0.0);
(443380.0,	3772230.0,	336.8,	3068.2,	0.0);	(443480.0,	3772230.0,	335.3,	3068.2,	0.0);
(443580.0,	3772230.0,	335.0,	3068.2,	0.0);	(443680.0,	3772230.0,	335.2,	3068.2,	0.0);
(443780.0,	3772230.0,	333.9,	3068.2,	0.0);	(443880.0,	3772230.0,	332.7,	3068.2,	0.0);
(443980.0,	3772230.0,	331.1,	3068.2,	0.0);	(444080.0,	3772230.0,	327.7,	3068.2,	0.0);
(442380.0,	3772330.0,	348.2,	3068.2,	0.0);	(442480.0,	3772330.0,	347.8,	3068.2,	0.0);
(442580.0,	3772330.0,	347.3,	3068.2,	0.0);	(442680.0,	3772330.0,	345.8,	3068.2,	0.0);
(442780.0,	3772330.0,	344.3,	3068.2,	0.0);	(442880.0,	3772330.0,	343.4,	3068.2,	0.0);
(442980.0,	3772330.0,	342.4,	3068.2,	0.0);	(443080.0,	3772330.0,	341.1,	3068.2,	0.0);
(443180.0,	3772330.0,	339.4,	3068.2,	0.0);	(443280.0,	3772330.0,	338.9,	3068.2,	0.0);
(443380.0,	3772330.0,	337.6,	3068.2,	0.0);	(443480.0,	3772330.0,	337.1,	3068.2,	0.0);
(443580.0,	3772330.0,	336.8,	3068.2,	0.0);	(443680.0,	3772330.0,	335.9,	3068.2,	0.0);
(443780.0,	3772330.0,	334.9,	3068.2,	0.0);	(443880.0,	3772330.0,	333.9,	3068.2,	0.0);
(443980.0,	3772330.0,	334.6,	3068.2,	0.0);	(444080.0,	3772330.0,	331.7,	3068.2,	0.0);
(442380.0,	3772430.0,	350.5,	3068.2,	0.0);	(442480.0,	3772430.0,	349.8,	3068.2,	0.0);
(442580.0,	3772430.0,	348.4,	3068.2,	0.0);	(442680.0,	3772430.0,	346.7,	3068.2,	0.0);
(442780.0,	3772430.0,	346.0,	3068.2,	0.0);	(442880.0,	3772430.0,	345.1,	3068.2,	0.0);
(442980.0,	3772430.0,	344.1,	3068.2,	0.0);	(443080.0,	3772430.0,	343.1,	3068.2,	0.0);
(443180.0,	3772430.0,	342.2,	3068.2,	0.0);	(443280.0,	3772430.0,	340.9,	3068.2,	0.0);
(443380.0,	3772430.0,	339.7,	3068.2,	0.0);	(443480.0,	3772430.0,	339.1,	3068.2,	0.0);
(443580.0,	3772430.0,	338.7,	3068.2,	0.0);	(443680.0,	3772430.0,	337.0,	3068.2,	0.0);
(443780.0,	3772430.0,	336.8,	3068.2,	0.0);	(443880.0,	3772430.0,	337.0,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(443980.0,	3772430.0,	333.5,	3068.2,	0.0);	(444080.0,	3772430.0,	333.1,	3068.2,	0.0);
(442380.0,	3772530.0,	352.6,	3068.2,	0.0);	(442480.0,	3772530.0,	351.9,	3068.2,	0.0);
(442580.0,	3772530.0,	350.3,	3068.2,	0.0);	(442680.0,	3772530.0,	349.1,	3068.2,	0.0);
(442780.0,	3772530.0,	348.0,	3068.2,	0.0);	(442880.0,	3772530.0,	347.5,	3068.2,	0.0);
(442980.0,	3772530.0,	346.1,	3068.2,	0.0);	(443080.0,	3772530.0,	344.9,	3068.2,	0.0);
(443180.0,	3772530.0,	343.7,	3068.2,	0.0);	(443280.0,	3772530.0,	342.9,	3068.2,	0.0);
(443380.0,	3772530.0,	342.2,	3068.2,	0.0);	(443480.0,	3772530.0,	341.1,	3068.2,	0.0);
(443580.0,	3772530.0,	340.0,	3068.2,	0.0);	(443680.0,	3772530.0,	339.3,	3068.2,	0.0);
(443780.0,	3772530.0,	338.9,	3068.2,	0.0);	(443880.0,	3772530.0,	337.7,	3068.2,	0.0);
(443980.0,	3772530.0,	336.3,	3068.2,	0.0);	(444080.0,	3772530.0,	334.9,	3068.2,	0.0);
(442380.0,	3772630.0,	354.8,	3068.2,	0.0);	(442480.0,	3772630.0,	353.5,	3068.2,	0.0);
(442580.0,	3772630.0,	352.5,	3068.2,	0.0);	(442680.0,	3772630.0,	351.8,	3068.2,	0.0);
(442780.0,	3772630.0,	351.3,	3068.2,	0.0);	(443680.0,	3772630.0,	341.2,	3068.2,	0.0);
(443780.0,	3772630.0,	338.2,	3068.2,	0.0);	(443880.0,	3772630.0,	340.5,	3068.2,	0.0);
(443980.0,	3772630.0,	339.5,	3068.2,	0.0);	(444080.0,	3772630.0,	336.7,	3068.2,	0.0);
(442380.0,	3772730.0,	356.6,	3068.2,	0.0);	(442480.0,	3772730.0,	355.3,	3068.2,	0.0);
(442580.0,	3772730.0,	354.9,	3068.2,	0.0);	(442680.0,	3772730.0,	354.3,	3068.2,	0.0);
(442780.0,	3772730.0,	352.6,	3068.2,	0.0);	(443680.0,	3772730.0,	340.7,	3068.2,	0.0);
(443780.0,	3772730.0,	341.6,	3068.2,	0.0);	(443880.0,	3772730.0,	340.0,	3068.2,	0.0);
(443980.0,	3772730.0,	340.6,	3068.2,	0.0);	(444080.0,	3772730.0,	339.0,	3068.2,	0.0);
(442380.0,	3772830.0,	358.8,	3068.2,	0.0);	(442480.0,	3772830.0,	357.8,	3068.2,	0.0);
(442580.0,	3772830.0,	357.4,	3068.2,	0.0);	(442680.0,	3772830.0,	356.5,	3068.2,	0.0);
(442780.0,	3772830.0,	355.1,	3068.2,	0.0);	(443080.0,	3772830.0,	350.1,	3068.2,	0.0);
(443180.0,	3772830.0,	350.5,	3068.2,	0.0);	(443580.0,	3772830.0,	341.5,	3068.2,	0.0);
(443680.0,	3772830.0,	344.9,	3068.2,	0.0);	(443780.0,	3772830.0,	343.4,	3068.2,	0.0);
(443880.0,	3772830.0,	343.1,	3068.2,	0.0);	(443980.0,	3772830.0,	341.6,	3068.2,	0.0);
(444080.0,	3772830.0,	340.3,	3068.2,	0.0);	(442380.0,	3772930.0,	361.0,	3068.2,	0.0);
(442480.0,	3772930.0,	360.8,	3068.2,	0.0);	(442580.0,	3772930.0,	359.2,	3068.2,	0.0);
(442680.0,	3772930.0,	359.0,	3068.2,	0.0);	(442780.0,	3772930.0,	357.1,	3068.2,	0.0);
(442880.0,	3772930.0,	356.1,	3068.2,	0.0);	(442980.0,	3772930.0,	355.0,	3068.2,	0.0);
(443080.0,	3772930.0,	353.6,	3068.2,	0.0);	(443180.0,	3772930.0,	351.7,	3068.2,	0.0);
(443280.0,	3772930.0,	350.4,	3068.2,	0.0);	(443380.0,	3772930.0,	348.9,	3068.2,	0.0);
(443480.0,	3772930.0,	348.0,	3068.2,	0.0);	(443580.0,	3772930.0,	347.4,	3068.2,	0.0);
(443680.0,	3772930.0,	346.4,	3068.2,	0.0);	(443780.0,	3772930.0,	346.1,	3068.2,	0.0);
(443880.0,	3772930.0,	345.2,	3068.2,	0.0);	(443980.0,	3772930.0,	343.9,	3068.2,	0.0);
(444080.0,	3772930.0,	342.7,	3068.2,	0.0);	(442380.0,	3773030.0,	363.5,	3068.2,	0.0);
(442480.0,	3773030.0,	362.5,	3068.2,	0.0);	(442580.0,	3773030.0,	361.6,	3068.2,	0.0);
(442680.0,	3773030.0,	360.9,	3068.2,	0.0);	(442780.0,	3773030.0,	360.8,	3068.2,	0.0);
(442880.0,	3773030.0,	358.2,	3068.2,	0.0);	(442980.0,	3773030.0,	356.9,	3068.2,	0.0);
(443080.0,	3773030.0,	355.5,	3068.2,	0.0);	(443180.0,	3773030.0,	353.7,	3068.2,	0.0);
(443280.0,	3773030.0,	352.2,	3068.2,	0.0);	(443380.0,	3773030.0,	350.6,	3068.2,	0.0);
(443480.0,	3773030.0,	348.7,	3068.2,	0.0);	(443580.0,	3773030.0,	349.4,	3068.2,	0.0);
(443680.0,	3773030.0,	348.6,	3068.2,	0.0);	(443780.0,	3773030.0,	348.1,	3068.2,	0.0);
(443880.0,	3773030.0,	346.4,	3068.2,	0.0);	(443980.0,	3773030.0,	346.2,	3068.2,	0.0);
(444080.0,	3773030.0,	344.6,	3068.2,	0.0);	(442380.0,	3773130.0,	365.9,	3068.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(442480.0,	3773130.0,	364.9,	3068.2,	0.0);	(442580.0,	3773130.0,	364.0,	3068.2,	0.0);
(442680.0,	3773130.0,	363.1,	3068.2,	0.0);	(442780.0,	3773130.0,	361.5,	3068.2,	0.0);
(442880.0,	3773130.0,	360.7,	3068.2,	0.0);	(442980.0,	3773130.0,	359.0,	3068.2,	0.0);
(443080.0,	3773130.0,	357.7,	3068.2,	0.0);	(443180.0,	3773130.0,	355.6,	3068.2,	0.0);
(443280.0,	3773130.0,	354.1,	3068.2,	0.0);	(443380.0,	3773130.0,	352.0,	3068.2,	0.0);
(443480.0,	3773130.0,	347.4,	3068.2,	0.0);	(443580.0,	3773130.0,	351.0,	3068.2,	0.0);
(443680.0,	3773130.0,	351.2,	3068.2,	0.0);	(443780.0,	3773130.0,	351.1,	3068.2,	0.0);
(443880.0,	3773130.0,	346.4,	3068.2,	0.0);	(443980.0,	3773130.0,	346.8,	3068.2,	0.0);
(444080.0,	3773130.0,	347.0,	3068.2,	0.0);	(442380.0,	3773230.0,	368.2,	3068.2,	0.0);
(442480.0,	3773230.0,	367.1,	3068.2,	0.0);	(442580.0,	3773230.0,	366.8,	3068.2,	0.0);
(442680.0,	3773230.0,	365.5,	3068.2,	0.0);	(442780.0,	3773230.0,	364.9,	3068.2,	0.0);
(442880.0,	3773230.0,	363.5,	3068.2,	0.0);	(442980.0,	3773230.0,	361.1,	3068.2,	0.0);
(443080.0,	3773230.0,	359.8,	3068.2,	0.0);	(443180.0,	3773230.0,	357.4,	3068.2,	0.0);
(443280.0,	3773230.0,	355.8,	3068.2,	0.0);	(443380.0,	3773230.0,	353.6,	3068.2,	0.0);
(443480.0,	3773230.0,	354.4,	3068.2,	0.0);	(443580.0,	3773230.0,	354.7,	3068.2,	0.0);
(443680.0,	3773230.0,	353.6,	3068.2,	0.0);	(443780.0,	3773230.0,	351.8,	3068.2,	0.0);
(443880.0,	3773230.0,	351.4,	3068.2,	0.0);	(443980.0,	3773230.0,	350.8,	3068.2,	0.0);
(444080.0,	3773230.0,	349.0,	3068.2,	0.0);					

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000004	443380.0	3772930.0	-2.74
L0000065	443530.0	3772880.0	-4.91
L0000141	443280.0	3772930.0	-5.50
L0000288	443280.0	3772930.0	-2.96
L0000363	443280.0	3772930.0	-3.28
L0000364	443280.0	3772930.0	-13.83
L0000367	443380.0	3772930.0	0.06
L0000368	443380.0	3772930.0	-16.18
L0000372	443480.0	3772930.0	-16.73
L0000373	443480.0	3772930.0	-1.73
L0000376	443580.0	3772930.0	-15.09
L0000377	443580.0	3772930.0	-5.78
L0000380	443630.0	3772980.0	-13.74
L0000381	443630.0	3772980.0	-6.84
L0000384	443630.0	3773080.0	-10.79
L0000385	443630.0	3773080.0	-10.89
L0000388	443630.0	3773180.0	-6.62
L0000389	443630.0	3773180.0	-13.18
L0000392	443630.0	3773280.0	-1.96
L0000393	443630.0	3773280.0	-13.67
L0000398	443630.0	3772680.0	-18.74
L0000399	443630.0	3772680.0	-0.37
L0000402	443630.0	3772580.0	-14.76
L0000403	443630.0	3772580.0	-3.29
L0000406	443630.0	3772480.0	-11.07
L0000407	443630.0	3772480.0	-6.45
L0000410	443630.0	3772380.0	-7.36
L0000411	443630.0	3772380.0	-8.81
L0000414	443630.0	3772280.0	-3.11
L0000415	443630.0	3772280.0	-9.66
L0000419	443630.0	3772180.0	-8.54
L0000473	443630.0	3772780.0	-6.45
L0000474	443630.0	3772780.0	-14.64
L0000477	443630.0	3772880.0	-2.20
L0000478	443630.0	3772880.0	-16.40
L0000482	443630.0	3772980.0	-17.85
L0000483	443630.0	3772980.0	0.06
L0000486	443630.0	3773080.0	-16.79
L0000487	443630.0	3773080.0	-3.80
L0000490	443630.0	3773180.0	-12.60

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000491	443630.0	3773180.0	-6.82
L0000494	443630.0	3773280.0	-8.38
L0000495	443630.0	3773280.0	-9.86
L0004317	442830.0	3772780.0	-4.73
L0004318	442830.0	3772780.0	-2.44
L0004322	442830.0	3772680.0	-4.92
L0004323	442830.0	3772680.0	-2.61
L0004421	443280.0	3772930.0	-1.06
L0004422	443280.0	3772930.0	-7.61
L0004426	443380.0	3772930.0	-1.17
L0004427	443380.0	3772930.0	-7.79
L0004431	443480.0	3772930.0	-1.29
L0004432	443480.0	3772930.0	-7.97
L0005222	443280.0	3772930.0	-6.76
L0005223	443280.0	3772930.0	-11.22
L0005226	443380.0	3772930.0	-3.68
L0005227	443380.0	3772930.0	-14.66
L0005230	443480.0	3772930.0	-0.27
L0005231	443480.0	3772930.0	-17.26
L0005235	443580.0	3772930.0	-17.83
L0005236	443580.0	3772930.0	-2.06
L0005238	443630.0	3772980.0	0.60
L0005239	443630.0	3772980.0	-17.61
L0005243	443630.0	3773080.0	-16.48
L0005244	443630.0	3773080.0	-2.72
L0005247	443630.0	3773180.0	-13.78
L0005248	443630.0	3773180.0	-6.43
L0005251	443630.0	3773280.0	-10.42
L0005252	443630.0	3773280.0	-9.98
L0004231	443630.0	3772680.0	-4.81
L0004232	443630.0	3772680.0	-16.49
L0004235	443630.0	3772580.0	-0.43
L0004236	443630.0	3772580.0	-16.75
L0004240	443630.0	3772480.0	-14.61
L0004241	443630.0	3772480.0	-0.62
L0004244	443630.0	3772380.0	-11.26
L0004245	443630.0	3772380.0	-3.29
L0004248	443630.0	3772280.0	-7.41
L0004249	443630.0	3772280.0	-5.27
L0004252	443630.0	3772180.0	-3.33

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0004253	443630.0	3772180.0	-6.35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: UPLA_V9_ADJU\UPLA_v9.SFC Met Version: 16216
Profile file: UPLA_V9_ADJU\UPLA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	351.	9.1	284.2	5.5
12	01	01	1	02	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	1.00	1.80	347.	9.1	284.2	5.5
12	01	01	1	03	-25.9	0.270	-9.000	-9.000	-999.	336.	79.9	0.34	1.15	1.00	2.20	340.	9.1	284.2	5.5
12	01	01	1	04	-20.9	0.218	-9.000	-9.000	-999.	246.	52.4	0.34	1.15	1.00	1.80	337.	9.1	285.4	5.5
12	01	01	1	05	-5.4	0.105	-9.000	-9.000	-999.	89.	18.5	0.34	1.15	1.00	0.90	344.	9.1	284.9	5.5
12	01	01	1	06	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	17.	9.1	283.1	5.5
12	01	01	1	07	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	1.00	1.30	326.	9.1	282.0	5.5
12	01	01	1	08	-10.1	0.156	-9.000	-9.000	-999.	147.	32.6	0.34	1.15	0.53	1.30	337.	9.1	284.9	5.5
12	01	01	1	09	42.1	0.096	0.369	0.015	42.	72.	-1.8	0.34	1.15	0.31	0.40	347.	9.1	291.4	5.5
12	01	01	1	10	102.2	0.280	0.715	0.005	125.	356.	-18.8	0.34	1.15	0.24	1.80	320.	9.1	296.4	5.5
12	01	01	1	11	143.5	0.233	1.110	0.005	333.	271.	-7.7	0.34	1.15	0.21	1.30	185.	9.1	297.5	5.5
12	01	01	1	12	162.2	0.188	1.407	0.005	600.	196.	-3.6	0.34	1.15	0.20	0.90	199.	9.1	298.1	5.5
12	01	01	1	13	158.3	0.187	1.641	0.005	974.	195.	-3.6	0.34	1.15	0.20	0.90	152.	9.1	299.9	5.5
12	01	01	1	14	131.9	0.288	1.687	0.005	1270.	370.	-15.7	0.34	1.15	0.22	1.80	107.	9.1	301.4	5.5
12	01	01	1	15	84.3	0.106	1.511	0.005	1427.	119.	-1.2	0.34	1.15	0.25	0.40	107.	9.1	302.0	5.5
12	01	01	1	16	32.1	0.154	1.105	0.005	1463.	146.	-10.0	0.34	1.15	0.34	0.90	124.	9.1	302.0	5.5
12	01	01	1	17	-10.6	0.155	-9.000	-9.000	-999.	146.	30.5	0.34	1.15	0.62	1.30	138.	9.1	299.9	5.5
12	01	01	1	18	-20.4	0.219	-9.000	-9.000	-999.	245.	52.5	0.34	1.15	1.00	1.80	353.	9.1	293.1	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.15	1.00	999.00	999.	-9.0	291.2	5.5
12	01	01	1	20	-5.4	0.105	-9.000	-9.000	-999.	81.	18.6	0.34	1.15	1.00	0.90	308.	9.1	289.2	5.5
12	01	01	1	21	-11.4	0.154	-9.000	-9.000	-999.	145.	27.9	0.34	1.15	1.00	1.30	339.	9.1	287.0	5.5
12	01	01	1	22	-11.5	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	1.15	1.00	1.30	339.	9.1	286.4	5.5
12	01	01	1	23	-5.4	0.105	-9.000	-9.000	-999.	81.	18.5	0.34	1.15	1.00	0.90	336.	9.1	285.4	5.5
12	01	01	1	24	-11.5	0.154	-9.000	-9.000	-999.	145.	27.7	0.34	1.15	1.00	1.30	338.	9.1	284.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
12	01	01	01	9.1	1	351.	1.80	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.58049	442330.00	3771880.00	0.62899
442430.00	3771880.00	0.68159	442530.00	3771880.00	0.73771
442630.00	3771880.00	0.79710	442730.00	3771880.00	0.85847
442830.00	3771880.00	0.91904	442930.00	3771880.00	0.97672
443030.00	3771880.00	1.02898	443130.00	3771880.00	1.07105
443230.00	3771880.00	1.09959	443330.00	3771880.00	1.11226
443430.00	3771880.00	1.10761	443530.00	3771880.00	1.08591
443630.00	3771880.00	1.04932	443730.00	3771880.00	1.00014
443830.00	3771880.00	0.94481	443930.00	3771880.00	0.88472
444030.00	3771880.00	0.82230	444130.00	3771880.00	0.76257
444230.00	3771880.00	0.70489	444330.00	3771880.00	0.64977
442230.00	3771980.00	0.62479	442330.00	3771980.00	0.68250
442430.00	3771980.00	0.74617	442530.00	3771980.00	0.81576
442630.00	3771980.00	0.89058	442730.00	3771980.00	0.97023
442830.00	3771980.00	1.05041	442930.00	3771980.00	1.12976
443030.00	3771980.00	1.20164	443130.00	3771980.00	1.26104
443230.00	3771980.00	1.30147	443330.00	3771980.00	1.32099
443430.00	3771980.00	1.31552	443530.00	3771980.00	1.28575
443630.00	3771980.00	1.23045	443730.00	3771980.00	1.16235
443830.00	3771980.00	1.08741	443930.00	3771980.00	1.00682
444030.00	3771980.00	0.92520	444130.00	3771980.00	0.84672
444230.00	3771980.00	0.77315	444330.00	3771980.00	0.70950
442230.00	3772080.00	0.67155	442330.00	3772080.00	0.73996
442430.00	3772080.00	0.81710	442530.00	3772080.00	0.90343
442630.00	3772080.00	0.99862	442730.00	3772080.00	1.10182
442830.00	3772080.00	1.21047	442930.00	3772080.00	1.31977
443030.00	3772080.00	1.42336	443130.00	3772080.00	1.50992
443230.00	3772080.00	1.57146	443330.00	3772080.00	1.60029
443430.00	3772080.00	1.59127	443530.00	3772080.00	1.54917
443630.00	3772080.00	1.46768	443730.00	3772080.00	1.36892
443830.00	3772080.00	1.26331	443930.00	3772080.00	1.15229
444030.00	3772080.00	1.04479	444130.00	3772080.00	0.94506
444230.00	3772080.00	0.85511	444330.00	3772080.00	0.77465
442230.00	3772180.00	0.71997	442330.00	3772180.00	0.80063
442430.00	3772180.00	0.89370	442530.00	3772180.00	1.00030
442630.00	3772180.00	1.12165	442730.00	3772180.00	1.25755
442830.00	3772180.00	1.40604	442930.00	3772180.00	1.56027
443030.00	3772180.00	1.71163	443130.00	3772180.00	1.84570
443230.00	3772180.00	1.94494	443330.00	3772180.00	1.99445
443430.00	3772180.00	1.97820	443530.00	3772180.00	1.90450

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	1.78447	443730.00	3772180.00	1.64115
443830.00	3772180.00	1.48279	443930.00	3772180.00	1.32956
444030.00	3772180.00	1.18015	444130.00	3772180.00	1.05593
444230.00	3772180.00	0.94259	444330.00	3772180.00	0.84496
442230.00	3772280.00	0.76882	442330.00	3772280.00	0.86311
442430.00	3772280.00	0.97440	442530.00	3772280.00	1.10576
442630.00	3772280.00	1.26013	442730.00	3772280.00	1.43899
442830.00	3772280.00	1.64322	442930.00	3772280.00	1.86730
443030.00	3772280.00	2.09931	443130.00	3772280.00	2.31378
443230.00	3772280.00	2.47701	443330.00	3772280.00	2.55834
443430.00	3772280.00	2.53380	443530.00	3772280.00	2.41012
443630.00	3772280.00	2.21845	443730.00	3772280.00	1.98882
443830.00	3772280.00	1.75911	443930.00	3772280.00	1.54156
444030.00	3772280.00	1.34671	444130.00	3772280.00	1.17994
444230.00	3772280.00	1.03797	444330.00	3772280.00	0.92019
442230.00	3772380.00	0.81624	442330.00	3772380.00	0.92543
442430.00	3772380.00	1.05700	442530.00	3772380.00	1.21683
442630.00	3772380.00	1.41138	442730.00	3772380.00	1.64679
442830.00	3772380.00	1.93012	442930.00	3772380.00	2.26226
443030.00	3772380.00	2.62855	443130.00	3772380.00	2.99320
443230.00	3772380.00	3.29181	443330.00	3772380.00	3.43867
443430.00	3772380.00	3.39324	443530.00	3772380.00	3.16782
443630.00	3772380.00	2.83178	443730.00	3772380.00	2.45550
443830.00	3772380.00	2.10418	443930.00	3772380.00	1.79527
444030.00	3772380.00	1.53193	444130.00	3772380.00	1.31862
444230.00	3772380.00	1.14209	444330.00	3772380.00	0.99958
442230.00	3772480.00	0.86008	442330.00	3772480.00	0.98402
442430.00	3772480.00	1.13695	442530.00	3772480.00	1.32858
442630.00	3772480.00	1.57025	442730.00	3772480.00	1.87761
442830.00	3772480.00	2.26926	442930.00	3772480.00	2.76486
443030.00	3772480.00	3.35981	443130.00	3772480.00	4.02109
443230.00	3772480.00	4.61238	443330.00	3772480.00	4.92991
443430.00	3772480.00	4.83380	443530.00	3772480.00	4.36656
443630.00	3772480.00	3.72906	443730.00	3772480.00	3.08472
443830.00	3772480.00	2.53870	443930.00	3772480.00	2.08931
444030.00	3772480.00	1.73767	444130.00	3772480.00	1.46710
444230.00	3772480.00	1.25222	444330.00	3772480.00	1.08179
442230.00	3772580.00	0.79631	442330.00	3772580.00	0.95529
442430.00	3772580.00	1.19387	442530.00	3772580.00	1.43292
442630.00	3772580.00	1.72540	442730.00	3772580.00	2.11618

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.64816	442930.00	3772580.00	3.38008
443030.00	3772580.00	4.37532	443130.00	3772580.00	5.64388
443230.00	3772580.00	6.97578	443330.00	3772580.00	7.80214
443430.00	3772580.00	7.56030	443530.00	3772580.00	6.43569
443630.00	3772580.00	5.09320	443730.00	3772580.00	3.92921
443830.00	3772580.00	3.05258	443930.00	3772580.00	2.43068
444030.00	3772580.00	1.96779	444130.00	3772580.00	1.62622
444230.00	3772580.00	1.36928	444330.00	3772580.00	1.16884
442230.00	3772680.00	0.77974	442330.00	3772680.00	0.93800
442430.00	3772680.00	1.19465	442530.00	3772680.00	1.50174
442630.00	3772680.00	1.86317	442730.00	3772680.00	2.33749
442830.00	3772680.00	3.02585	443630.00	3772680.00	7.15577
443730.00	3772680.00	5.00164	443830.00	3772680.00	3.69000
443930.00	3772680.00	2.81105	444030.00	3772680.00	2.21275
444130.00	3772680.00	1.79427	444230.00	3772680.00	1.48748
444330.00	3772680.00	1.25513	442230.00	3772780.00	0.73572
442330.00	3772780.00	0.88413	442430.00	3772780.00	1.09785
442530.00	3772780.00	1.37324	442630.00	3772780.00	1.80529
442730.00	3772780.00	2.35946	442830.00	3772780.00	3.28907
443130.00	3772780.00	12.25641	443630.00	3772780.00	10.21536
443730.00	3772780.00	6.38872	443830.00	3772780.00	4.37823
443930.00	3772780.00	3.21608	444030.00	3772780.00	2.46881
444130.00	3772780.00	1.96375	444230.00	3772780.00	1.60494
444330.00	3772780.00	1.34141	442230.00	3772880.00	0.67272
442330.00	3772880.00	0.81137	442430.00	3772880.00	0.96291
442530.00	3772880.00	1.24359	442630.00	3772880.00	1.59059
442730.00	3772880.00	2.14035	442830.00	3772880.00	3.05554
442930.00	3772880.00	4.64190	443030.00	3772880.00	8.08213
443130.00	3772880.00	15.82010	443530.00	3772880.00	33.68279
443630.00	3772880.00	13.83929	443730.00	3772880.00	7.77516
443830.00	3772880.00	5.06031	443930.00	3772880.00	3.59094
444030.00	3772880.00	2.69922	444130.00	3772880.00	2.11442
444230.00	3772880.00	1.70841	444330.00	3772880.00	1.41571
442230.00	3772980.00	0.60653	442330.00	3772980.00	0.71842
442430.00	3772980.00	0.86493	442530.00	3772980.00	1.08059
442630.00	3772980.00	1.39558	442730.00	3772980.00	1.82159
442830.00	3772980.00	2.70750	442930.00	3772980.00	4.05651
443030.00	3772980.00	6.77854	443130.00	3772980.00	13.90929
443230.00	3772980.00	35.46018	443330.00	3772980.00	85.74550
443430.00	3772980.00	74.74540	443530.00	3772980.00	30.11208

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	14.09021	443730.00	3772980.00	8.12531
443830.00	3772980.00	5.30923	443930.00	3772980.00	3.76312
444030.00	3772980.00	2.82160	444130.00	3772980.00	2.20356
444230.00	3772980.00	1.77517	444330.00	3772980.00	1.46632
442230.00	3773080.00	0.54806	442330.00	3773080.00	0.63999
442430.00	3773080.00	0.75920	442530.00	3773080.00	0.94542
442630.00	3773080.00	1.19351	442730.00	3773080.00	1.63145
442830.00	3773080.00	2.23196	442930.00	3773080.00	3.42917
443030.00	3773080.00	5.18848	443130.00	3773080.00	8.43363
443230.00	3773080.00	15.31373	443330.00	3773080.00	22.59257
443430.00	3773080.00	21.84255	443530.00	3773080.00	15.68223
443630.00	3773080.00	10.32510	443730.00	3773080.00	6.93979
443830.00	3773080.00	4.88392	443930.00	3773080.00	3.60263
444030.00	3773080.00	2.76372	444130.00	3773080.00	2.18773
444230.00	3773080.00	1.77684	444330.00	3773080.00	1.47464
442230.00	3773180.00	0.48363	442330.00	3773180.00	0.55928
442430.00	3773180.00	0.66624	442530.00	3773180.00	0.80879
442630.00	3773180.00	1.00986	442730.00	3773180.00	1.32660
442830.00	3773180.00	1.78691	442930.00	3773180.00	2.44948
443030.00	3773180.00	3.58692	443130.00	3773180.00	5.29613
443230.00	3773180.00	7.58694	443330.00	3773180.00	9.96121
443430.00	3773180.00	10.41214	443530.00	3773180.00	8.36256
443630.00	3773180.00	6.87027	443730.00	3773180.00	5.27261
443830.00	3773180.00	4.06545	443930.00	3773180.00	3.18286
444030.00	3773180.00	2.53859	444130.00	3773180.00	2.06304
444230.00	3773180.00	1.70694	444330.00	3773180.00	1.43481
442230.00	3773280.00	0.43060	442330.00	3773280.00	0.49834
442430.00	3773280.00	0.58467	442530.00	3773280.00	0.69258
442630.00	3773280.00	0.86037	442730.00	3773280.00	1.08148
442830.00	3773280.00	1.39655	442930.00	3773280.00	1.89427
443030.00	3773280.00	2.44991	443130.00	3773280.00	3.41118
443230.00	3773280.00	4.47410	443330.00	3773280.00	5.38957
443430.00	3773280.00	5.62501	443530.00	3773280.00	4.98337
443630.00	3773280.00	4.44079	443730.00	3773280.00	3.87916
443830.00	3773280.00	3.24753	443930.00	3773280.00	2.67882
444030.00	3773280.00	2.22612	444130.00	3773280.00	1.86725
444230.00	3773280.00	1.58131	444330.00	3773280.00	1.35297
442230.00	3773380.00	0.37716	442330.00	3773380.00	0.43545
442430.00	3773380.00	0.50576	442530.00	3773380.00	0.59205
442630.00	3773380.00	0.69696	442730.00	3773380.00	0.88945

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	1.08968	442930.00	3773380.00	1.37970
443030.00	3773380.00	1.80171	443130.00	3773380.00	2.29181
443230.00	3773380.00	2.85381	443330.00	3773380.00	3.36334
443430.00	3773380.00	4.09030	443530.00	3773380.00	3.22374
443630.00	3773380.00	2.97242	443730.00	3773380.00	2.75492
443830.00	3773380.00	2.54098	443930.00	3773380.00	2.25580
444030.00	3773380.00	1.98526	444130.00	3773380.00	1.64771
444230.00	3773380.00	1.42842	444330.00	3773380.00	1.24551
442230.00	3773480.00	0.33981	442330.00	3773480.00	0.38576
442430.00	3773480.00	0.43649	442530.00	3773480.00	0.51164
442630.00	3773480.00	0.59170	442730.00	3773480.00	0.72963
442830.00	3773480.00	0.86166	442930.00	3773480.00	1.05937
443030.00	3773480.00	1.30720	443130.00	3773480.00	1.63789
443230.00	3773480.00	1.91507	443330.00	3773480.00	2.19050
443430.00	3773480.00	2.07237	443530.00	3773480.00	2.08117
443630.00	3773480.00	2.04779	443730.00	3773480.00	1.90008
443830.00	3773480.00	1.89174	443930.00	3773480.00	1.76338
444030.00	3773480.00	1.65192	444130.00	3773480.00	1.48272
444230.00	3773480.00	1.31483	444330.00	3773480.00	1.17996
442230.00	3773580.00	0.29945	442330.00	3773580.00	0.33886
442430.00	3773580.00	0.38229	442530.00	3773580.00	0.43445
442630.00	3773580.00	0.49293	442730.00	3773580.00	0.58286
442830.00	3773580.00	0.69169	442930.00	3773580.00	0.83098
443030.00	3773580.00	1.01788	443130.00	3773580.00	1.19211
443230.00	3773580.00	1.32871	443330.00	3773580.00	1.40162
443430.00	3773580.00	1.48135	443530.00	3773580.00	1.49348
443630.00	3773580.00	1.42909	443730.00	3773580.00	1.35610
443830.00	3773580.00	1.37858	443930.00	3773580.00	1.33333
444030.00	3773580.00	1.29938	444130.00	3773580.00	1.26515
444230.00	3773580.00	1.15549	444330.00	3773580.00	1.07334
442380.00	3772130.00	0.81115	442480.00	3772130.00	0.90139
442580.00	3772130.00	1.00313	442680.00	3772130.00	1.11625
442780.00	3772130.00	1.23958	442880.00	3772130.00	1.36847
442980.00	3772130.00	1.49573	443080.00	3772130.00	1.61334
443180.00	3772130.00	1.70775	443280.00	3772130.00	1.76643
443380.00	3772130.00	1.77913	443480.00	3772130.00	1.74397
443580.00	3772130.00	1.66575	443680.00	3772130.00	1.55868
443780.00	3772130.00	1.43063	443880.00	3772130.00	1.29890
443980.00	3772130.00	1.17141	444080.00	3772130.00	1.05215
442380.00	3772230.00	0.88078	442480.00	3772230.00	0.99069

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.11835	442680.00	3772230.00	1.26476
442780.00	3772230.00	1.42968	442880.00	3772230.00	1.60910
442980.00	3772230.00	1.79617	443080.00	3772230.00	1.97636
443180.00	3772230.00	2.12720	443280.00	3772230.00	2.22626
443380.00	3772230.00	2.24877	443480.00	3772230.00	2.18810
443580.00	3772230.00	2.06390	443680.00	3772230.00	1.89742
443780.00	3772230.00	1.70699	443880.00	3772230.00	1.51859
443980.00	3772230.00	1.34226	444080.00	3772230.00	1.18136
442380.00	3772330.00	0.95247	442480.00	3772330.00	1.08505
442580.00	3772330.00	1.24372	442680.00	3772330.00	1.43260
442780.00	3772330.00	1.65530	442880.00	3772330.00	1.91281
442980.00	3772330.00	2.19679	443080.00	3772330.00	2.48541
443180.00	3772330.00	2.73764	443280.00	3772330.00	2.91004
443380.00	3772330.00	2.94713	443480.00	3772330.00	2.84654
443580.00	3772330.00	2.63174	443680.00	3772330.00	2.35205
443780.00	3772330.00	2.05959	443880.00	3772330.00	1.78521
443980.00	3772330.00	1.54759	444080.00	3772330.00	1.33694
442380.00	3772430.00	1.02275	442480.00	3772430.00	1.18067
442580.00	3772430.00	1.37587	442680.00	3772430.00	1.61754
442780.00	3772430.00	1.91817	442880.00	3772430.00	2.28703
442980.00	3772430.00	2.72505	443080.00	3772430.00	3.20987
443180.00	3772430.00	3.67521	443280.00	3772430.00	4.00481
443380.00	3772430.00	4.08382	443480.00	3772430.00	3.88351
443580.00	3772430.00	3.47828	443680.00	3772430.00	2.98501
443780.00	3772430.00	2.51932	443880.00	3772430.00	2.11638
443980.00	3772430.00	1.77242	444080.00	3772430.00	1.50394
442380.00	3772530.00	1.08819	442480.00	3772530.00	1.27201
442580.00	3772530.00	1.50733	442680.00	3772530.00	1.81190
442780.00	3772530.00	2.21091	442880.00	3772530.00	2.73734
442980.00	3772530.00	3.42198	443080.00	3772530.00	4.27034
443180.00	3772530.00	5.19132	443280.00	3772530.00	5.92747
443380.00	3772530.00	6.12605	443480.00	3772530.00	5.66003
443580.00	3772530.00	4.79757	443680.00	3772530.00	3.88721
443780.00	3772530.00	3.11191	443880.00	3772530.00	2.50251
443980.00	3772530.00	2.03880	444080.00	3772530.00	1.68746
442380.00	3772630.00	1.02717	442480.00	3772630.00	1.30921
442580.00	3772630.00	1.62720	442680.00	3772630.00	1.99626
442780.00	3772630.00	2.50768	443680.00	3772630.00	5.15785
443780.00	3772630.00	3.83452	443880.00	3772630.00	2.96122
443980.00	3772630.00	2.33570	444080.00	3772630.00	1.88406

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.99649	442480.00	3772730.00	1.24639
442580.00	3772730.00	1.53692	442680.00	3772730.00	2.02136
442780.00	3772730.00	2.77157	443680.00	3772730.00	6.86466
443780.00	3772730.00	4.74851	443880.00	3772730.00	3.46054
443980.00	3772730.00	2.64788	444080.00	3772730.00	2.09153
442380.00	3772830.00	0.93060	442480.00	3772830.00	1.16444
442580.00	3772830.00	1.44579	442680.00	3772830.00	1.88478
442780.00	3772830.00	2.60039	443080.00	3772830.00	10.29337
443180.00	3772830.00	21.63534	443580.00	3772830.00	16.67901
443680.00	3772830.00	9.11739	443780.00	3772830.00	5.74791
443880.00	3772830.00	3.99831	443980.00	3772830.00	2.95876
444080.00	3772830.00	2.29098	442380.00	3772930.00	0.83706
442480.00	3772930.00	1.00964	442580.00	3772930.00	1.33562
442680.00	3772930.00	1.70558	442780.00	3772930.00	2.43644
442880.00	3772930.00	3.49974	442980.00	3772930.00	5.51327
443080.00	3772930.00	10.55524	443180.00	3772930.00	25.56058
443280.00	3772930.00	168.81581	443380.00	3772930.00	223.09657
443480.00	3772930.00	76.89633	443580.00	3772930.00	21.79107
443680.00	3772930.00	10.67424	443780.00	3772930.00	6.46129
443880.00	3772930.00	4.38204	443980.00	3772930.00	3.19244
444080.00	3772930.00	2.44423	442380.00	3773030.00	0.73738
442480.00	3773030.00	0.91589	442580.00	3773030.00	1.16076
442680.00	3773030.00	1.50024	442780.00	3773030.00	1.94863
442880.00	3773030.00	3.03440	442980.00	3773030.00	4.65227
443080.00	3773030.00	7.87409	443180.00	3773030.00	15.96220
443280.00	3773030.00	31.98663	443380.00	3773030.00	40.97268
443480.00	3773030.00	29.18197	443580.00	3773030.00	16.33875
443680.00	3773030.00	9.62826	443780.00	3773030.00	6.23877
443880.00	3773030.00	4.35862	443980.00	3773030.00	3.22247
444080.00	3773030.00	2.48426	442380.00	3773130.00	0.65051
442480.00	3773130.00	0.79725	442580.00	3773130.00	0.99347
442680.00	3773130.00	1.27126	442780.00	3773130.00	1.73792
442880.00	3773130.00	2.36943	442980.00	3773130.00	3.54174
443080.00	3773130.00	5.36864	443180.00	3773130.00	8.49607
443280.00	3773130.00	12.73170	443380.00	3773130.00	15.16684
443480.00	3773130.00	13.22278	443580.00	3773130.00	9.90204
443680.00	3773130.00	7.15339	443780.00	3773130.00	5.21860
443880.00	3773130.00	3.90217	443980.00	3773130.00	3.00724
444080.00	3773130.00	2.38072	442380.00	3773230.00	0.57595
442480.00	3773230.00	0.69918	442580.00	3773230.00	0.83753

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.05943	442780.00	3773230.00	1.33749
442880.00	3773230.00	1.77553	442980.00	3773230.00	2.53815
443080.00	3773230.00	3.51039	443180.00	3773230.00	5.04886
443280.00	3773230.00	6.43834	443380.00	3773230.00	7.60235
443480.00	3773230.00	6.84129	443580.00	3773230.00	5.88276
443680.00	3773230.00	5.03008	443780.00	3773230.00	4.06953
443880.00	3773230.00	3.26184	443980.00	3773230.00	2.64075
444080.00	3773230.00	2.16548			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.76265	442330.00	3771880.00	0.84144
442430.00	3771880.00	0.92906	442530.00	3771880.00	1.02459
442630.00	3771880.00	1.12709	442730.00	3771880.00	1.23311
442830.00	3771880.00	1.33535	442930.00	3771880.00	1.42662
443030.00	3771880.00	1.49858	443130.00	3771880.00	1.53988
443230.00	3771880.00	1.54461	443330.00	3771880.00	1.51274
443430.00	3771880.00	1.44907	443530.00	3771880.00	1.36238
443630.00	3771880.00	1.26273	443730.00	3771880.00	1.15740
443830.00	3771880.00	1.05591	443930.00	3771880.00	0.95933
444030.00	3771880.00	0.86920	444130.00	3771880.00	0.78924
444230.00	3771880.00	0.71712	444330.00	3771880.00	0.65200
442230.00	3771980.00	0.82969	442330.00	3771980.00	0.92608
442430.00	3771980.00	1.03611	442530.00	3771980.00	1.16040
442630.00	3771980.00	1.29776	442730.00	3771980.00	1.44629
442830.00	3771980.00	1.59476	442930.00	3771980.00	1.73461
443030.00	3771980.00	1.84525	443130.00	3771980.00	1.91026
443230.00	3771980.00	1.91603	443330.00	3771980.00	1.86633
443430.00	3771980.00	1.76806	443530.00	3771980.00	1.63833
443630.00	3771980.00	1.48806	443730.00	3771980.00	1.34106
443830.00	3771980.00	1.20476	443930.00	3771980.00	1.07834
444030.00	3771980.00	0.96408	444130.00	3771980.00	0.86330
444230.00	3771980.00	0.77503	444330.00	3771980.00	0.70184
442230.00	3772080.00	0.89994	442330.00	3772080.00	1.01703
442430.00	3772080.00	1.15499	442530.00	3772080.00	1.31662
442630.00	3772080.00	1.50300	442730.00	3772080.00	1.71252
442830.00	3772080.00	1.93665	442930.00	3772080.00	2.15594
443030.00	3772080.00	2.34096	443130.00	3772080.00	2.45019
443230.00	3772080.00	2.46099	443330.00	3772080.00	2.37248
443430.00	3772080.00	2.20658	443530.00	3772080.00	2.00404
443630.00	3772080.00	1.77742	443730.00	3772080.00	1.56610
443830.00	3772080.00	1.37930	443930.00	3772080.00	1.21227
444030.00	3772080.00	1.06824	444130.00	3772080.00	0.94567
444230.00	3772080.00	0.84205	444330.00	3772080.00	0.75388
442230.00	3772180.00	0.97124	442330.00	3772180.00	1.11186
442430.00	3772180.00	1.28312	442530.00	3772180.00	1.49154
442630.00	3772180.00	1.74460	442730.00	3772180.00	2.04655
442830.00	3772180.00	2.39323	442930.00	3772180.00	2.75657
443030.00	3772180.00	3.08318	443130.00	3772180.00	3.29209
443230.00	3772180.00	3.31559	443330.00	3772180.00	3.15133
443430.00	3772180.00	2.84612	443530.00	3772180.00	2.49371

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.14893	443730.00	3772180.00	1.84613
443830.00	3772180.00	1.58246	443930.00	3772180.00	1.36466
444030.00	3772180.00	1.17804	444130.00	3772180.00	1.03314
444230.00	3772180.00	0.90961	444330.00	3772180.00	0.80766
442230.00	3772280.00	1.04012	442330.00	3772280.00	1.20628
442430.00	3772280.00	1.41500	442530.00	3772280.00	1.68042
442630.00	3772280.00	2.02072	442730.00	3772280.00	2.45538
442830.00	3772280.00	3.00172	442930.00	3772280.00	3.64379
443030.00	3772280.00	4.29063	443130.00	3772280.00	4.73422
443230.00	3772280.00	4.76862	443330.00	3772280.00	4.39592
443430.00	3772280.00	3.79553	443530.00	3772280.00	3.16991
443630.00	3772280.00	2.62333	443730.00	3772280.00	2.17184
443830.00	3772280.00	1.81607	443930.00	3772280.00	1.53199
444030.00	3772280.00	1.30524	444130.00	3772280.00	1.12521
444230.00	3772280.00	0.97978	444330.00	3772280.00	0.86301
442230.00	3772380.00	1.10237	442330.00	3772380.00	1.29401
442430.00	3772380.00	1.54149	442530.00	3772380.00	1.86949
442630.00	3772380.00	2.31557	442730.00	3772380.00	2.93231
442830.00	3772380.00	3.79984	442930.00	3772380.00	4.99784
443030.00	3772380.00	6.44522	443130.00	3772380.00	7.60352
443230.00	3772380.00	7.67988	443330.00	3772380.00	6.64338
443430.00	3772380.00	5.28747	443530.00	3772380.00	4.11254
443630.00	3772380.00	3.22131	443730.00	3772380.00	2.55986
443830.00	3772380.00	2.07701	443930.00	3772380.00	1.71474
444030.00	3772380.00	1.43585	444130.00	3772380.00	1.22268
444230.00	3772380.00	1.05329	444330.00	3772380.00	0.91949
442230.00	3772480.00	1.12486	442330.00	3772480.00	1.35158
442430.00	3772480.00	1.63406	442530.00	3772480.00	2.04118
442630.00	3772480.00	2.59853	442730.00	3772480.00	3.43185
442830.00	3772480.00	4.75959	442930.00	3772480.00	7.02708
443030.00	3772480.00	10.83087	443130.00	3772480.00	15.05249
443230.00	3772480.00	15.12580	443330.00	3772480.00	11.25717
443430.00	3772480.00	7.70094	443530.00	3772480.00	5.40210
443630.00	3772480.00	3.95904	443730.00	3772480.00	3.00875
443830.00	3772480.00	2.36765	443930.00	3772480.00	1.90681
444030.00	3772480.00	1.57068	444130.00	3772480.00	1.32123
444230.00	3772480.00	1.12773	444330.00	3772480.00	0.97597
442230.00	3772580.00	1.02427	442330.00	3772580.00	1.25192
442430.00	3772580.00	1.60221	442530.00	3772580.00	2.03253
442630.00	3772580.00	2.78417	442730.00	3772580.00	3.83955

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	5.64152	442930.00	3772580.00	9.46330
443030.00	3772580.00	21.22786	443130.00	3772580.00	53.15738
443230.00	3772580.00	51.32449	443330.00	3772580.00	22.32762
443430.00	3772580.00	11.54513	443530.00	3772580.00	7.09397
443630.00	3772580.00	4.82681	443730.00	3772580.00	3.50009
443830.00	3772580.00	2.66057	443930.00	3772580.00	2.10561
444030.00	3772580.00	1.70856	444130.00	3772580.00	1.41912
444230.00	3772580.00	1.20188	444330.00	3772580.00	1.03250
442230.00	3772680.00	0.97194	442330.00	3772680.00	1.21105
442430.00	3772680.00	1.56797	442530.00	3772680.00	2.05922
442630.00	3772680.00	2.80479	442730.00	3772680.00	3.93234
442830.00	3772680.00	5.99465	443630.00	3772680.00	5.64084
443730.00	3772680.00	3.93815	443830.00	3772680.00	2.94222
443930.00	3772680.00	2.28411	444030.00	3772680.00	1.83077
444130.00	3772680.00	1.50756	444230.00	3772680.00	1.26679
444330.00	3772680.00	1.08176	442230.00	3772780.00	0.88368
442330.00	3772780.00	1.09065	442430.00	3772780.00	1.41375
442530.00	3772780.00	1.84850	442630.00	3772780.00	2.53878
442730.00	3772780.00	3.49958	442830.00	3772780.00	5.34849
443130.00	3772780.00	38.23358	443630.00	3772780.00	6.06442
443730.00	3772780.00	4.21007	443830.00	3772780.00	3.10580
443930.00	3772780.00	2.40138	444030.00	3772780.00	1.91688
444130.00	3772780.00	1.57108	444230.00	3772780.00	1.31486
444330.00	3772780.00	1.12006	442230.00	3772880.00	0.79169
442330.00	3772880.00	0.97196	442430.00	3772880.00	1.17843
442530.00	3772880.00	1.55675	442630.00	3772880.00	2.05947
442730.00	3772880.00	2.91034	442830.00	3772880.00	4.41440
442930.00	3772880.00	6.89352	443030.00	3772880.00	12.75113
443130.00	3772880.00	27.29563	443530.00	3772880.00	8.94512
443630.00	3772880.00	5.86542	443730.00	3772880.00	4.15987
443830.00	3772880.00	3.11179	443930.00	3772880.00	2.42061
444030.00	3772880.00	1.94076	444130.00	3772880.00	1.59411
444230.00	3772880.00	1.33543	444330.00	3772880.00	1.13809
442230.00	3772980.00	0.69765	442330.00	3772980.00	0.83593
442430.00	3772980.00	1.01903	442530.00	3772980.00	1.28945
442630.00	3772980.00	1.68571	442730.00	3772980.00	2.22077
442830.00	3772980.00	3.30241	442930.00	3772980.00	4.92256
443030.00	3772980.00	7.97337	443130.00	3772980.00	14.15229
443230.00	3772980.00	26.89651	443330.00	3772980.00	20.15615
443430.00	3772980.00	11.28155	443530.00	3772980.00	7.29148

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	5.12119	443730.00	3772980.00	3.79551
443830.00	3772980.00	2.92409	443930.00	3772980.00	2.32120
444030.00	3772980.00	1.88806	444130.00	3772980.00	1.56671
444230.00	3772980.00	1.32215	444330.00	3772980.00	1.13242
442230.00	3773080.00	0.61630	442330.00	3773080.00	0.72372
442430.00	3773080.00	0.86211	442530.00	3773080.00	1.07436
442630.00	3773080.00	1.35076	442730.00	3773080.00	1.82206
442830.00	3773080.00	2.42749	442930.00	3773080.00	3.53397
443030.00	3773080.00	4.89679	443130.00	3773080.00	6.77725
443230.00	3773080.00	8.95045	443330.00	3773080.00	8.79678
443430.00	3773080.00	7.04643	443530.00	3773080.00	5.36080
443630.00	3773080.00	4.12617	443730.00	3773080.00	3.24296
443830.00	3773080.00	2.60284	443930.00	3773080.00	2.12716
444030.00	3773080.00	1.76786	444130.00	3773080.00	1.49075
444230.00	3773080.00	1.27338	444330.00	3773080.00	1.10054
442230.00	3773180.00	0.53160	442330.00	3773180.00	0.61433
442430.00	3773180.00	0.72867	442530.00	3773180.00	0.87654
442630.00	3773180.00	1.07687	442730.00	3773180.00	1.37756
442830.00	3773180.00	1.77987	442930.00	3773180.00	2.28989
443030.00	3773180.00	3.04293	443130.00	3773180.00	3.87745
443230.00	3773180.00	4.62747	443330.00	3773180.00	4.92266
443430.00	3773180.00	4.50015	443530.00	3773180.00	3.69190
443630.00	3773180.00	3.17108	443730.00	3773180.00	2.67310
443830.00	3773180.00	2.24000	443930.00	3773180.00	1.88507
444030.00	3773180.00	1.60515	444130.00	3773180.00	1.38039
444230.00	3773180.00	1.19716	444330.00	3773180.00	1.04706
442230.00	3773280.00	0.46218	442330.00	3773280.00	0.53109
442430.00	3773280.00	0.61608	442530.00	3773280.00	0.71772
442630.00	3773280.00	0.87083	442730.00	3773280.00	1.05997
442830.00	3773280.00	1.30973	442930.00	3773280.00	1.67055
443030.00	3773280.00	1.98926	443130.00	3773280.00	2.47936
443230.00	3773280.00	2.85252	443330.00	3773280.00	3.11070
443430.00	3773280.00	2.98787	443530.00	3773280.00	2.63159
443630.00	3773280.00	2.36051	443730.00	3773280.00	2.10682
443830.00	3773280.00	1.89131	443930.00	3773280.00	1.65076
444030.00	3773280.00	1.43845	444130.00	3773280.00	1.25366
444230.00	3773280.00	1.10446	444330.00	3773280.00	0.97863
442230.00	3773380.00	0.39443	442330.00	3773380.00	0.44994
442430.00	3773380.00	0.51443	442530.00	3773380.00	0.59020
442630.00	3773380.00	0.67733	442730.00	3773380.00	0.83740

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.98494	442930.00	3773380.00	1.18327
443030.00	3773380.00	1.44281	443130.00	3773380.00	1.68996
443230.00	3773380.00	1.92044	443330.00	3773380.00	2.08755
443430.00	3773380.00	2.33846	443530.00	3773380.00	1.87785
443630.00	3773380.00	1.74627	443730.00	3773380.00	1.64978
443830.00	3773380.00	1.53659	443930.00	3773380.00	1.40922
444030.00	3773380.00	1.28011	444130.00	3773380.00	1.13863
444230.00	3773380.00	1.01505	444330.00	3773380.00	0.90356
442230.00	3773480.00	0.34601	442330.00	3773480.00	0.38731
442430.00	3773480.00	0.43090	442530.00	3773480.00	0.49525
442630.00	3773480.00	0.55928	442730.00	3773480.00	0.67015
442830.00	3773480.00	0.76394	442930.00	3773480.00	0.89836
443030.00	3773480.00	1.04975	443130.00	3773480.00	1.23267
443230.00	3773480.00	1.35142	443330.00	3773480.00	1.45725
443430.00	3773480.00	1.33735	443530.00	3773480.00	1.31919
443630.00	3773480.00	1.29152	443730.00	3773480.00	1.21305
443830.00	3773480.00	1.21909	443930.00	3773480.00	1.15712
444030.00	3773480.00	1.09788	444130.00	3773480.00	1.01386
444230.00	3773480.00	0.93907	444330.00	3773480.00	0.86183
442230.00	3773580.00	0.29794	442330.00	3773580.00	0.33258
442430.00	3773580.00	0.36932	442530.00	3773580.00	0.41210
442630.00	3773580.00	0.45774	442730.00	3773580.00	0.52796
442830.00	3773580.00	0.60795	442930.00	3773580.00	0.70362
443030.00	3773580.00	0.82320	443130.00	3773580.00	0.91798
443230.00	3773580.00	0.97575	443330.00	3773580.00	0.98899
443430.00	3773580.00	1.01291	443530.00	3773580.00	1.00482
443630.00	3773580.00	0.96063	443730.00	3773580.00	0.91781
443830.00	3773580.00	0.93518	443930.00	3773580.00	0.91049
444030.00	3773580.00	0.89538	444130.00	3773580.00	0.88088
444230.00	3773580.00	0.82994	444330.00	3773580.00	0.77340
442380.00	3772130.00	1.13793	442480.00	3772130.00	1.30617
442580.00	3772130.00	1.50637	442680.00	3772130.00	1.74103
442780.00	3772130.00	2.00788	442880.00	3772130.00	2.29082
442980.00	3772130.00	2.55635	443080.00	3772130.00	2.75938
443180.00	3772130.00	2.84610	443280.00	3772130.00	2.79208
443380.00	3772130.00	2.61436	443480.00	3772130.00	2.36317
443580.00	3772130.00	2.08723	443680.00	3772130.00	1.82391
443780.00	3772130.00	1.58263	443880.00	3772130.00	1.37529
443980.00	3772130.00	1.19987	444080.00	3772130.00	1.05169
442380.00	3772230.00	1.24917	442480.00	3772230.00	1.46048

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.72415	442680.00	3772230.00	2.05136
442780.00	3772230.00	2.44975	442880.00	3772230.00	2.90895
442980.00	3772230.00	3.38580	443080.00	3772230.00	3.77868
443180.00	3772230.00	3.95273	443280.00	3772230.00	3.84387
443380.00	3772230.00	3.49489	443480.00	3772230.00	3.03415
443580.00	3772230.00	2.58087	443680.00	3772230.00	2.18083
443780.00	3772230.00	1.84007	443880.00	3772230.00	1.56279
443980.00	3772230.00	1.33722	444080.00	3772230.00	1.15135
442380.00	3772330.00	1.35834	442480.00	3772330.00	1.61802
442580.00	3772330.00	1.95791	442680.00	3772330.00	2.40827
442780.00	3772330.00	3.00761	442880.00	3772330.00	3.79151
442980.00	3772330.00	4.72877	443080.00	3772330.00	5.60510
443180.00	3772330.00	6.00303	443280.00	3772330.00	5.70828
443380.00	3772330.00	4.90655	443480.00	3772330.00	4.01501
443580.00	3772330.00	3.23512	443680.00	3772330.00	2.61309
443780.00	3772330.00	2.13531	443880.00	3772330.00	1.76912
443980.00	3772330.00	1.48999	444080.00	3772330.00	1.26508
442380.00	3772430.00	1.45649	442480.00	3772430.00	1.76515
442580.00	3772430.00	2.18858	442680.00	3772430.00	2.78828
442780.00	3772430.00	3.66978	442880.00	3772430.00	5.00756
442980.00	3772430.00	7.00155	443080.00	3772430.00	9.40256
443180.00	3772430.00	10.67411	443280.00	3772430.00	9.59239
443380.00	3772430.00	7.38451	443480.00	3772430.00	5.46430
443580.00	3772430.00	4.09237	443680.00	3772430.00	3.13565
443780.00	3772430.00	2.47442	443880.00	3772430.00	2.00064
443980.00	3772430.00	1.64239	444080.00	3772430.00	1.37881
442380.00	3772530.00	1.45064	442480.00	3772530.00	1.83780
442580.00	3772530.00	2.38490	442680.00	3772530.00	3.13227
442780.00	3772530.00	4.33535	442880.00	3772530.00	6.48256
442980.00	3772530.00	10.92107	443080.00	3772530.00	20.14887
443180.00	3772530.00	26.61609	443280.00	3772530.00	20.15059
443380.00	3772530.00	12.00781	443480.00	3772530.00	7.57972
443580.00	3772530.00	5.17337	443680.00	3772530.00	3.75177
443780.00	3772530.00	2.84918	443880.00	3772530.00	2.23935
443980.00	3772530.00	1.80938	444080.00	3772530.00	1.49570
442380.00	3772630.00	1.37383	442480.00	3772630.00	1.77967
442580.00	3772630.00	2.38684	442680.00	3772630.00	3.27096
442780.00	3772630.00	4.73430	443680.00	3772630.00	4.39563
443780.00	3772630.00	3.21315	443880.00	3772630.00	2.47920
443980.00	3772630.00	1.97133	444080.00	3772630.00	1.60722

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.28345	442480.00	3772730.00	1.68446
442580.00	3772730.00	2.18902	442680.00	3772730.00	2.99830
442780.00	3772730.00	4.57357	443680.00	3772730.00	4.87535
443780.00	3772730.00	3.51539	443880.00	3772730.00	2.66136
443980.00	3772730.00	2.09784	444080.00	3772730.00	1.69925
442380.00	3772830.00	1.14201	442480.00	3772830.00	1.47607
442580.00	3772830.00	1.90529	442680.00	3772830.00	2.63052
442780.00	3772830.00	3.90262	443080.00	3772830.00	21.29633
443180.00	3772830.00	64.93085	443580.00	3772830.00	7.40304
443680.00	3772830.00	5.01424	443780.00	3772830.00	3.61822
443880.00	3772830.00	2.74594	443980.00	3772830.00	2.16033
444080.00	3772830.00	1.74918	442380.00	3772930.00	0.99620
442480.00	3772930.00	1.22363	442580.00	3772930.00	1.64824
442680.00	3772930.00	2.15022	442780.00	3772930.00	3.17206
442880.00	3772930.00	4.67420	442980.00	3772930.00	7.46213
443080.00	3772930.00	13.49284	443180.00	3772930.00	34.21317
443280.00	3772930.00	37.10096	443380.00	3772930.00	19.34041
443480.00	3772930.00	10.40013	443580.00	3772930.00	6.68319
443680.00	3772930.00	4.68517	443780.00	3772930.00	3.47401
443880.00	3772930.00	2.68179	443980.00	3772930.00	2.13516
444080.00	3772930.00	1.74262	442380.00	3773030.00	0.84955
442480.00	3773030.00	1.06272	442580.00	3773030.00	1.35389
442680.00	3773030.00	1.75201	442780.00	3773030.00	2.25922
442880.00	3773030.00	3.42423	442980.00	3773030.00	5.01398
443080.00	3773030.00	7.74952	443180.00	3773030.00	12.23932
443280.00	3773030.00	14.27362	443380.00	3773030.00	10.76133
443480.00	3773030.00	7.46367	443580.00	3773030.00	5.37244
443680.00	3773030.00	4.02758	443780.00	3773030.00	3.11986
443880.00	3773030.00	2.48214	443980.00	3773030.00	2.01968
444080.00	3773030.00	1.67413	442380.00	3773130.00	0.72531
442480.00	3773130.00	0.88692	442580.00	3773130.00	1.09730
442680.00	3773130.00	1.38299	442780.00	3773130.00	1.83881
442880.00	3773130.00	2.39425	442980.00	3773130.00	3.30261
443080.00	3773130.00	4.41912	443180.00	3773130.00	5.78368
443280.00	3773130.00	6.48448	443380.00	3773130.00	6.12296
443480.00	3773130.00	5.08735	443580.00	3773130.00	4.07223
443680.00	3773130.00	3.27538	443780.00	3773130.00	2.67700
443880.00	3773130.00	2.20169	443980.00	3773130.00	1.84015
444080.00	3773130.00	1.55724	442380.00	3773230.00	0.62101
442480.00	3773230.00	0.74582	442580.00	3773230.00	0.87887

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.08435	442780.00	3773230.00	1.31991
442880.00	3773230.00	1.66218	442980.00	3773230.00	2.20101
443080.00	3773230.00	2.73562	443180.00	3773230.00	3.39282
443280.00	3773230.00	3.72733	443380.00	3773230.00	3.82695
443480.00	3773230.00	3.32402	443580.00	3773230.00	2.88918
443680.00	3773230.00	2.55724	443780.00	3773230.00	2.22930
443880.00	3773230.00	1.90703	443980.00	3773230.00	1.63350
444080.00	3773230.00	1.41330			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.91194	442330.00	3771880.00	1.00709
442430.00	3771880.00	1.10991	442530.00	3771880.00	1.21705
442630.00	3771880.00	1.32482	442730.00	3771880.00	1.42589
442830.00	3771880.00	1.50881	442930.00	3771880.00	1.56494
443030.00	3771880.00	1.58765	443130.00	3771880.00	1.57058
443230.00	3771880.00	1.51657	443330.00	3771880.00	1.43428
443430.00	3771880.00	1.33400	443530.00	3771880.00	1.22566
443630.00	3771880.00	1.11716	443730.00	3771880.00	1.01255
443830.00	3771880.00	0.91740	443930.00	3771880.00	0.83059
444030.00	3771880.00	0.75190	444130.00	3771880.00	0.68329
444230.00	3771880.00	0.62218	444330.00	3771880.00	0.56742
442230.00	3771980.00	1.01177	442330.00	3771980.00	1.13365
442430.00	3771980.00	1.26962	442530.00	3771980.00	1.41736
442630.00	3771980.00	1.57064	442730.00	3771980.00	1.72140
442830.00	3771980.00	1.84875	442930.00	3771980.00	1.94025
443030.00	3771980.00	1.97480	443130.00	3771980.00	1.94676
443230.00	3771980.00	1.85993	443330.00	3771980.00	1.73501
443430.00	3771980.00	1.58758	443530.00	3771980.00	1.43434
443630.00	3771980.00	1.28141	443730.00	3771980.00	1.14359
443830.00	3771980.00	1.02245	443930.00	3771980.00	0.91426
444030.00	3771980.00	0.81875	444130.00	3771980.00	0.73562
444230.00	3771980.00	0.66332	444330.00	3771980.00	0.60344
442230.00	3772080.00	1.12112	442330.00	3772080.00	1.27689
442430.00	3772080.00	1.45788	442530.00	3772080.00	1.66369
442630.00	3772080.00	1.88816	442730.00	3772080.00	2.11763
442830.00	3772080.00	2.32646	442930.00	3772080.00	2.47855
443030.00	3772080.00	2.54110	443130.00	3772080.00	2.49120
443230.00	3772080.00	2.34659	443330.00	3772080.00	2.14211
443430.00	3772080.00	1.91327	443530.00	3772080.00	1.69196
443630.00	3772080.00	1.47879	443730.00	3772080.00	1.29464
443830.00	3772080.00	1.13908	443930.00	3772080.00	1.00402
444030.00	3772080.00	0.88924	444130.00	3772080.00	0.79216
444230.00	3772080.00	0.71015	444330.00	3772080.00	0.64022
442230.00	3772180.00	1.23752	442330.00	3772180.00	1.43508
442430.00	3772180.00	1.67529	442530.00	3772180.00	1.96268
442630.00	3772180.00	2.29760	442730.00	3772180.00	2.66506
442830.00	3772180.00	3.02539	442930.00	3772180.00	3.30183
443030.00	3772180.00	3.41731	443130.00	3772180.00	3.32916
443230.00	3772180.00	3.06882	443330.00	3772180.00	2.71945
443430.00	3772180.00	2.34630	443530.00	3772180.00	2.00580

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	1.71202	443730.00	3772180.00	1.47015
443830.00	3772180.00	1.26695	443930.00	3772180.00	1.10146
444030.00	3772180.00	0.96042	444130.00	3772180.00	0.85031
444230.00	3772180.00	0.75598	444330.00	3772180.00	0.67747
442230.00	3772280.00	1.35597	442330.00	3772280.00	1.60269
442430.00	3772280.00	1.91718	442530.00	3772280.00	2.31835
442630.00	3772280.00	2.82316	442730.00	3772280.00	3.42893
442830.00	3772280.00	4.09010	442930.00	3772280.00	4.66021
443030.00	3772280.00	4.92172	443130.00	3772280.00	4.72865
443230.00	3772280.00	4.18471	443330.00	3772280.00	3.52653
443430.00	3772280.00	2.90730	443530.00	3772280.00	2.39073
443630.00	3772280.00	1.98167	443730.00	3772280.00	1.65769
443830.00	3772280.00	1.40527	443930.00	3772280.00	1.20337
444030.00	3772280.00	1.04069	444130.00	3772280.00	0.90981
444230.00	3772280.00	0.80257	444330.00	3772280.00	0.71520
442230.00	3772380.00	1.46820	442330.00	3772380.00	1.76935
442430.00	3772380.00	2.17093	442530.00	3772380.00	2.71813
442630.00	3772380.00	3.47175	442730.00	3772380.00	4.49385
442830.00	3772380.00	5.80207	442930.00	3772380.00	7.16574
443030.00	3772380.00	7.88134	443130.00	3772380.00	7.36608
443230.00	3772380.00	6.05963	443330.00	3772380.00	4.70568
443430.00	3772380.00	3.63836	443530.00	3772380.00	2.85471
443630.00	3772380.00	2.28609	443730.00	3772380.00	1.86423
443830.00	3772380.00	1.55070	443930.00	3772380.00	1.31001
444030.00	3772380.00	1.12015	444130.00	3772380.00	0.97146
444230.00	3772380.00	0.85064	444330.00	3772380.00	0.75321
442230.00	3772480.00	1.56393	442330.00	3772480.00	1.91628
442430.00	3772480.00	2.40803	442530.00	3772480.00	3.12357
442630.00	3772480.00	4.20571	442730.00	3772480.00	5.90727
442830.00	3772480.00	8.61979	442930.00	3772480.00	12.52821
443030.00	3772480.00	15.33998	443130.00	3772480.00	13.31340
443230.00	3772480.00	9.33681	443330.00	3772480.00	6.40361
443430.00	3772480.00	4.56214	443530.00	3772480.00	3.39264
443630.00	3772480.00	2.62209	443730.00	3772480.00	2.08593
443830.00	3772480.00	1.70477	443930.00	3772480.00	1.41793
444030.00	3772480.00	1.20004	444130.00	3772480.00	1.03255
444230.00	3772480.00	0.89866	444330.00	3772480.00	0.79085
442230.00	3772580.00	1.44225	442330.00	3772580.00	1.85519
442430.00	3772580.00	2.59303	442530.00	3772580.00	3.45754
442630.00	3772580.00	4.87957	442730.00	3772580.00	7.45122

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	12.76108	442930.00	3772580.00	25.70689
443030.00	3772580.00	50.69003	443130.00	3772580.00	30.73804
443230.00	3772580.00	15.11774	443330.00	3772580.00	8.73082
443430.00	3772580.00	5.67011	443530.00	3772580.00	3.99396
443630.00	3772580.00	2.98095	443730.00	3772580.00	2.31418
443830.00	3772580.00	1.85327	443930.00	3772580.00	1.52691
444030.00	3772580.00	1.28040	444130.00	3772580.00	1.09246
444230.00	3772580.00	0.94609	444330.00	3772580.00	0.82833
442230.00	3772680.00	1.38912	442330.00	3772680.00	1.79884
442430.00	3772680.00	2.50720	442530.00	3772680.00	3.58722
442630.00	3772680.00	5.27151	442730.00	3772680.00	8.46235
442830.00	3772680.00	16.27240	443630.00	3772680.00	3.29976
443730.00	3772680.00	2.51073	443830.00	3772680.00	1.99408
443930.00	3772680.00	1.62329	444030.00	3772680.00	1.35075
444130.00	3772680.00	1.14616	444230.00	3772680.00	0.98722
444330.00	3772680.00	0.86071	442230.00	3772780.00	1.27043
442330.00	3772780.00	1.63322	442430.00	3772780.00	2.21197
442530.00	3772780.00	3.09481	442630.00	3772780.00	4.72623
442730.00	3772780.00	7.67668	442830.00	3772780.00	15.23099
443130.00	3772780.00	65.72696	443630.00	3772780.00	3.46602
443730.00	3772780.00	2.63353	443830.00	3772780.00	2.07538
443930.00	3772780.00	1.68650	444030.00	3772780.00	1.40028
444130.00	3772780.00	1.18461	444230.00	3772780.00	1.01759
444330.00	3772780.00	0.88587	442230.00	3772880.00	1.11676
442330.00	3772880.00	1.42603	442430.00	3772880.00	1.81070
442530.00	3772880.00	2.55320	442630.00	3772880.00	3.65153
442730.00	3772880.00	5.69214	442830.00	3772880.00	9.84370
442930.00	3772880.00	18.92638	443030.00	3772880.00	31.72355
443130.00	3772880.00	25.41331	443530.00	3772880.00	4.53435
443630.00	3772880.00	3.37379	443730.00	3772880.00	2.60804
443830.00	3772880.00	2.07836	443930.00	3772880.00	1.69732
444030.00	3772880.00	1.41445	444130.00	3772880.00	1.19887
444230.00	3772880.00	1.03077	444330.00	3772880.00	0.89779
442230.00	3772980.00	0.96051	442330.00	3772980.00	1.18780
442430.00	3772980.00	1.50301	442530.00	3772980.00	1.98975
442630.00	3772980.00	2.74094	442730.00	3772980.00	3.80937
442830.00	3772980.00	5.93229	442930.00	3772980.00	8.53617
443030.00	3772980.00	11.13706	443130.00	3772980.00	11.01031
443230.00	3772980.00	9.06108	443330.00	3772980.00	6.81626
443430.00	3772980.00	5.11634	443530.00	3772980.00	3.90557

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	3.04845	443730.00	3772980.00	2.43328
443830.00	3772980.00	1.98190	443930.00	3772980.00	1.64343
444030.00	3772980.00	1.38472	444130.00	3772980.00	1.18297
444230.00	3772980.00	1.02300	444330.00	3772980.00	0.89458
442230.00	3773080.00	0.82571	442330.00	3773080.00	0.99192
442430.00	3773080.00	1.21099	442530.00	3773080.00	1.55114
442630.00	3773080.00	1.99811	442730.00	3773080.00	2.74518
442830.00	3773080.00	3.60902	442930.00	3773080.00	4.87946
443030.00	3773080.00	5.57182	443130.00	3773080.00	5.65354
443230.00	3773080.00	5.50521	443330.00	3773080.00	4.79447
443430.00	3773080.00	3.91764	443530.00	3773080.00	3.19163
443630.00	3773080.00	2.61668	443730.00	3773080.00	2.16687
443830.00	3773080.00	1.81448	443930.00	3773080.00	1.53623
444030.00	3773080.00	1.31528	444130.00	3773080.00	1.13744
444230.00	3773080.00	0.99284	444330.00	3773080.00	0.87433
442230.00	3773180.00	0.69079	442330.00	3773180.00	0.80955
442430.00	3773180.00	0.97363	442530.00	3773180.00	1.18425
442630.00	3773180.00	1.46260	442730.00	3773180.00	1.86067
442830.00	3773180.00	2.33034	442930.00	3773180.00	2.78095
443030.00	3773180.00	3.24366	443130.00	3773180.00	3.47523
443230.00	3773180.00	3.49873	443330.00	3773180.00	3.38834
443430.00	3773180.00	3.01864	443530.00	3773180.00	2.57023
443630.00	3773180.00	2.19565	443730.00	3773180.00	1.87922
443830.00	3773180.00	1.61666	443930.00	3773180.00	1.39967
444030.00	3773180.00	1.21949	444130.00	3773180.00	1.06991
444230.00	3773180.00	0.94483	444330.00	3773180.00	0.83973
442230.00	3773280.00	0.58159	442330.00	3773280.00	0.67310
442430.00	3773280.00	0.78466	442530.00	3773280.00	0.91466
442630.00	3773280.00	1.10587	442730.00	3773280.00	1.32511
442830.00	3773280.00	1.58249	442930.00	3773280.00	1.90019
443030.00	3773280.00	2.06487	443130.00	3773280.00	2.30811
443230.00	3773280.00	2.40551	443330.00	3773280.00	2.40442
443430.00	3773280.00	2.25648	443530.00	3773280.00	2.00983
443630.00	3773280.00	1.82065	443730.00	3773280.00	1.64532
443830.00	3773280.00	1.42319	443930.00	3773280.00	1.25564
444030.00	3773280.00	1.11256	444130.00	3773280.00	0.99038
444230.00	3773280.00	0.88509	444330.00	3773280.00	0.79463
442230.00	3773380.00	0.48032	442330.00	3773380.00	0.54927
442430.00	3773380.00	0.62786	442530.00	3773380.00	0.71741
442630.00	3773380.00	0.81519	442730.00	3773380.00	0.99360

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	1.13272	442930.00	3773380.00	1.29667
443030.00	3773380.00	1.48107	443130.00	3773380.00	1.61102
443230.00	3773380.00	1.71279	443330.00	3773380.00	1.76578
443430.00	3773380.00	1.90903	443530.00	3773380.00	1.54273
443630.00	3773380.00	1.43911	443730.00	3773380.00	1.35738
443830.00	3773380.00	1.26037	443930.00	3773380.00	1.15007
444030.00	3773380.00	1.04949	444130.00	3773380.00	0.90730
444230.00	3773380.00	0.82024	444330.00	3773380.00	0.74379
442230.00	3773480.00	0.40983	442330.00	3773480.00	0.45840
442430.00	3773480.00	0.50811	442530.00	3773480.00	0.58120
442630.00	3773480.00	0.64950	442730.00	3773480.00	0.76693
442830.00	3773480.00	0.85116	442930.00	3773480.00	0.96353
443030.00	3773480.00	1.07213	443130.00	3773480.00	1.19352
443230.00	3773480.00	1.24594	443330.00	3773480.00	1.29434
443430.00	3773480.00	1.16720	443530.00	3773480.00	1.14246
443630.00	3773480.00	1.11841	443730.00	3773480.00	1.05584
443830.00	3773480.00	1.04944	443930.00	3773480.00	0.99390
444030.00	3773480.00	0.94425	444130.00	3773480.00	0.85684
444230.00	3773480.00	0.79356	444330.00	3773480.00	0.71990
442230.00	3773580.00	0.34436	442330.00	3773580.00	0.38366
442430.00	3773580.00	0.42433	442530.00	3773580.00	0.47060
442630.00	3773580.00	0.51761	442730.00	3773580.00	0.58874
442830.00	3773580.00	0.66313	442930.00	3773580.00	0.74419
443030.00	3773580.00	0.83850	443130.00	3773580.00	0.89817
443230.00	3773580.00	0.92008	443330.00	3773580.00	0.90671
443430.00	3773580.00	0.91200	443530.00	3773580.00	0.89729
443630.00	3773580.00	0.85847	443730.00	3773580.00	0.82359
443830.00	3773580.00	0.83561	443930.00	3773580.00	0.81402
444030.00	3773580.00	0.79672	444130.00	3773580.00	0.77780
444230.00	3773580.00	0.71477	444330.00	3773580.00	0.67880
442380.00	3772130.00	1.45481	442480.00	3772130.00	1.68062
442580.00	3772130.00	1.94010	442680.00	3772130.00	2.22444
442780.00	3772130.00	2.51135	442880.00	3772130.00	2.75538
442980.00	3772130.00	2.90061	443080.00	3772130.00	2.91076
443180.00	3772130.00	2.77839	443280.00	3772130.00	2.54295
443380.00	3772130.00	2.25888	443480.00	3772130.00	1.97294
443580.00	3772130.00	1.70994	443680.00	3772130.00	1.48236
443780.00	3772130.00	1.28568	443880.00	3772130.00	1.12161
443980.00	3772130.00	0.98482	444080.00	3772130.00	0.86988
442380.00	3772230.00	1.64859	442480.00	3772230.00	1.95510

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	2.33106	442680.00	3772230.00	2.77467
442780.00	3772230.00	3.25910	442880.00	3772230.00	3.70676
442980.00	3772230.00	3.99996	443080.00	3772230.00	4.02386
443180.00	3772230.00	3.76321	443280.00	3772230.00	3.32948
443380.00	3772230.00	2.84245	443480.00	3772230.00	2.38782
443580.00	3772230.00	2.00654	443680.00	3772230.00	1.69599
443780.00	3772230.00	1.44162	443880.00	3772230.00	1.23743
443980.00	3772230.00	1.07156	444080.00	3772230.00	0.93418
442380.00	3772330.00	1.85373	442480.00	3772330.00	2.26306
442580.00	3772330.00	2.80276	442680.00	3772330.00	3.50363
442780.00	3772330.00	4.36846	442880.00	3772330.00	5.30064
442980.00	3772330.00	5.99544	443080.00	3772330.00	6.05805
443180.00	3772330.00	5.43586	443280.00	3772330.00	4.52410
443380.00	3772330.00	3.63282	443480.00	3772330.00	2.91149
443580.00	3772330.00	2.35549	443680.00	3772330.00	1.93131
443780.00	3772330.00	1.60796	443880.00	3772330.00	1.35806
443980.00	3772330.00	1.16460	444080.00	3772330.00	1.00605
442380.00	3772430.00	2.05158	442480.00	3772430.00	2.58095
442580.00	3772430.00	3.33654	442680.00	3772430.00	4.43289
442780.00	3772430.00	6.02890	442880.00	3772430.00	8.16258
442980.00	3772430.00	10.19002	443080.00	3772430.00	10.42769
443180.00	3772430.00	8.59907	443280.00	3772430.00	6.40244
443380.00	3772430.00	4.71488	443480.00	3772430.00	3.55351
443580.00	3772430.00	2.75581	443680.00	3772430.00	2.19066
443780.00	3772430.00	1.78701	443880.00	3772430.00	1.48759
443980.00	3772430.00	1.25355	444080.00	3772430.00	1.07578
442380.00	3772530.00	2.21827	442480.00	3772530.00	2.86478
442580.00	3772530.00	3.85910	442680.00	3772530.00	5.48342
442780.00	3772530.00	8.33572	442880.00	3772530.00	13.62826
442980.00	3772530.00	22.06550	443080.00	3772530.00	23.58394
443180.00	3772530.00	15.20212	443280.00	3772530.00	9.33187
443380.00	3772530.00	6.13427	443480.00	3772530.00	4.31066
443580.00	3772530.00	3.19688	443680.00	3772530.00	2.47170
443780.00	3772530.00	1.97391	443880.00	3772530.00	1.61552
443980.00	3772530.00	1.34918	444080.00	3772530.00	1.14618
442380.00	3772630.00	2.10512	442480.00	3772630.00	2.90288
442580.00	3772630.00	4.23977	442680.00	3772630.00	6.33915
442780.00	3772630.00	10.66930	443680.00	3772630.00	2.74739
443780.00	3772630.00	2.14786	443880.00	3772630.00	1.74121
443980.00	3772630.00	1.44028	444080.00	3772630.00	1.21248

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.95963	442480.00	3772730.00	2.72136
442580.00	3772730.00	3.90450	442680.00	3772730.00	6.13046
442780.00	3772730.00	11.48727	443680.00	3772730.00	2.94929
443780.00	3772730.00	2.29158	443880.00	3772730.00	1.83542
443980.00	3772730.00	1.51069	444080.00	3772730.00	1.26687
442380.00	3772830.00	1.73952	442480.00	3772830.00	2.38152
442580.00	3772830.00	3.31722	442680.00	3772830.00	5.05098
442780.00	3772830.00	8.72854	443080.00	3772830.00	65.57327
443180.00	3772830.00	27.99696	443580.00	3772830.00	4.00110
443680.00	3772830.00	3.00672	443780.00	3772830.00	2.34050
443880.00	3772830.00	1.87976	443980.00	3772830.00	1.54567
444080.00	3772830.00	1.29647	442380.00	3772930.00	1.46900
442480.00	3772930.00	1.89041	442580.00	3772930.00	2.71678
442680.00	3772930.00	3.80843	442780.00	3772930.00	6.09452
442880.00	3772930.00	9.64374	442980.00	3772930.00	15.15871
443080.00	3772930.00	17.38211	443180.00	3772930.00	14.03859
443280.00	3772930.00	9.77673	443380.00	3772930.00	6.83420
443480.00	3772930.00	4.93400	443580.00	3772930.00	3.69241
443680.00	3772930.00	2.85412	443780.00	3772930.00	2.26874
443880.00	3772930.00	1.84611	443980.00	3772930.00	1.53211
444080.00	3772930.00	1.29318	442380.00	3773030.00	1.20365
442480.00	3773030.00	1.55950	442580.00	3773030.00	2.06335
442680.00	3773030.00	2.76804	442780.00	3773030.00	3.64475
442880.00	3773030.00	5.46323	442980.00	3773030.00	6.99457
443080.00	3773030.00	7.73617	443180.00	3773030.00	7.55480
443280.00	3773030.00	6.39824	443380.00	3773030.00	5.05369
443480.00	3773030.00	3.98088	443580.00	3773030.00	3.16476
443680.00	3773030.00	2.55321	443780.00	3773030.00	2.09194
443880.00	3773030.00	1.73970	443980.00	3773030.00	1.46749
444080.00	3773030.00	1.25326	442380.00	3773130.00	0.98427
442480.00	3773130.00	1.22796	442580.00	3773130.00	1.54541
442680.00	3773130.00	1.96587	442780.00	3773130.00	2.59616
442880.00	3773130.00	3.21593	442980.00	3773130.00	3.96037
443080.00	3773130.00	4.33814	443180.00	3773130.00	4.43496
443280.00	3773130.00	4.23013	443380.00	3773130.00	3.74621
443480.00	3773130.00	3.14008	443580.00	3773130.00	2.62180
443680.00	3773130.00	2.20102	443780.00	3773130.00	1.86121
443880.00	3773130.00	1.58709	443980.00	3773130.00	1.36481
444080.00	3773130.00	1.18375	442380.00	3773230.00	0.80665
442480.00	3773230.00	0.97740	442580.00	3773230.00	1.15351

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.41586	442780.00	3773230.00	1.68319
442880.00	3773230.00	2.01789	442980.00	3773230.00	2.44907
443080.00	3773230.00	2.68195	443180.00	3773230.00	2.90441
443280.00	3773230.00	2.85256	443380.00	3773230.00	2.77013
443480.00	3773230.00	2.41809	443580.00	3773230.00	2.14387
443680.00	3773230.00	1.90668	443780.00	3773230.00	1.62647
443880.00	3773230.00	1.41870	443980.00	3773230.00	1.24361
444080.00	3773230.00	1.09615			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.93867	442330.00	3771880.00	1.03509
442430.00	3771880.00	1.13806	442530.00	3771880.00	1.24351
442630.00	3771880.00	1.34709	442730.00	3771880.00	1.44087
442830.00	3771880.00	1.51319	442930.00	3771880.00	1.55625
443030.00	3771880.00	1.56506	443130.00	3771880.00	1.53537
443230.00	3771880.00	1.47197	443330.00	3771880.00	1.38440
443430.00	3771880.00	1.28272	443530.00	3771880.00	1.17588
443630.00	3771880.00	1.07069	443730.00	3771880.00	0.97035
443830.00	3771880.00	0.87965	443930.00	3771880.00	0.79720
444030.00	3771880.00	0.72259	444130.00	3771880.00	0.65757
444230.00	3771880.00	0.59963	444330.00	3771880.00	0.54768
442230.00	3771980.00	1.04658	442330.00	3771980.00	1.17154
442430.00	3771980.00	1.30939	442530.00	3771980.00	1.45672
442630.00	3771980.00	1.60578	442730.00	3771980.00	1.74723
442830.00	3771980.00	1.85902	442930.00	3771980.00	1.93005
443030.00	3771980.00	1.94211	443130.00	3771980.00	1.89413
443230.00	3771980.00	1.79374	443330.00	3771980.00	1.66268
443430.00	3771980.00	1.51550	443530.00	3771980.00	1.36667
443630.00	3771980.00	1.22058	443730.00	3771980.00	1.09006
443830.00	3771980.00	0.97585	443930.00	3771980.00	0.87407
444030.00	3771980.00	0.78422	444130.00	3771980.00	0.70597
444230.00	3771980.00	0.63780	444330.00	3771980.00	0.58127
442230.00	3772080.00	1.16634	442330.00	3772080.00	1.32821
442430.00	3772080.00	1.51455	442530.00	3772080.00	1.72326
442630.00	3772080.00	1.94528	442730.00	3772080.00	2.16350
442830.00	3772080.00	2.34936	442930.00	3772080.00	2.46731
443030.00	3772080.00	2.49089	443130.00	3772080.00	2.40745
443230.00	3772080.00	2.24284	443330.00	3772080.00	2.03299
443430.00	3772080.00	1.80943	443530.00	3772080.00	1.59864
443630.00	3772080.00	1.39846	443730.00	3772080.00	1.22659
443830.00	3772080.00	1.08172	443930.00	3772080.00	0.95593
444030.00	3772080.00	0.84885	444130.00	3772080.00	0.75808
444230.00	3772080.00	0.68121	444330.00	3772080.00	0.61548
442230.00	3772180.00	1.29577	442330.00	3772180.00	1.50428
442430.00	3772180.00	1.75623	442530.00	3772180.00	2.05381
442630.00	3772180.00	2.39288	442730.00	3772180.00	2.75036
442830.00	3772180.00	3.07713	442930.00	3772180.00	3.29267
443030.00	3772180.00	3.33364	443130.00	3772180.00	3.18414
443230.00	3772180.00	2.89471	443330.00	3772180.00	2.54644
443430.00	3772180.00	2.19227	443530.00	3772180.00	1.87605

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	1.60569	443730.00	3772180.00	1.38362
443830.00	3772180.00	1.19683	443930.00	3772180.00	1.04427
444030.00	3772180.00	0.91372	444130.00	3772180.00	0.81147
444230.00	3772180.00	0.72352	444330.00	3772180.00	0.65006
442230.00	3772280.00	1.42976	442330.00	3772280.00	1.69466
442430.00	3772280.00	2.03166	442530.00	3772280.00	2.45836
442630.00	3772280.00	2.98579	442730.00	3772280.00	3.59507
442830.00	3772280.00	4.21291	442930.00	3772280.00	4.66680
443030.00	3772280.00	4.76458	443130.00	3772280.00	4.44609
443230.00	3772280.00	3.86816	443330.00	3772280.00	3.24104
443430.00	3772280.00	2.67514	443530.00	3772280.00	2.20964
443630.00	3772280.00	1.84173	443730.00	3772280.00	1.54936
443830.00	3772280.00	1.32038	443930.00	3772280.00	1.13612
444030.00	3772280.00	0.98676	444130.00	3772280.00	0.86594
444230.00	3772280.00	0.76643	444330.00	3772280.00	0.68502
442230.00	3772380.00	1.55946	442330.00	3772380.00	1.88867
442430.00	3772380.00	2.32988	442530.00	3772380.00	2.93083
442630.00	3772380.00	3.75019	442730.00	3772380.00	4.83195
442830.00	3772380.00	6.12317	442930.00	3772380.00	7.25507
443030.00	3772380.00	7.52349	443130.00	3772380.00	6.71026
443230.00	3772380.00	5.42105	443330.00	3772380.00	4.21442
443430.00	3772380.00	3.28584	443530.00	3772380.00	2.60364
443630.00	3772380.00	2.10447	443730.00	3772380.00	1.73027
443830.00	3772380.00	1.44940	443930.00	3772380.00	1.23180
444030.00	3772380.00	1.05873	444130.00	3772380.00	0.92226
444230.00	3772380.00	0.81066	444330.00	3772380.00	0.72021
442230.00	3772480.00	1.67232	442330.00	3772480.00	2.06464
442430.00	3772480.00	2.61782	442530.00	3772480.00	3.43062
442630.00	3772480.00	4.66722	442730.00	3772480.00	6.60587
442830.00	3772480.00	9.56107	442930.00	3772480.00	13.13036
443030.00	3772480.00	14.17256	443130.00	3772480.00	11.32387
443230.00	3772480.00	7.92351	443330.00	3772480.00	5.54607
443430.00	3772480.00	4.03394	443530.00	3772480.00	3.05181
443630.00	3772480.00	2.39109	443730.00	3772480.00	1.92307
443830.00	3772480.00	1.58552	443930.00	3772480.00	1.32831
444030.00	3772480.00	1.13095	444130.00	3772480.00	0.97800
444230.00	3772480.00	0.85483	444330.00	3772480.00	0.75504
442230.00	3772580.00	1.59981	442330.00	3772580.00	2.05715
442430.00	3772580.00	2.85071	442530.00	3772580.00	3.86471
442630.00	3772580.00	5.57843	442730.00	3772580.00	8.78019

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	15.59209	442930.00	3772580.00	31.09936
443030.00	3772580.00	40.91286	443130.00	3772580.00	22.07416
443230.00	3772580.00	11.89238	443330.00	3772580.00	7.28313
443430.00	3772580.00	4.91036	443530.00	3772580.00	3.54742
443630.00	3772580.00	2.69586	443730.00	3772580.00	2.12128
443830.00	3772580.00	1.71657	443930.00	3772580.00	1.42597
444030.00	3772580.00	1.20380	444130.00	3772580.00	1.03281
444230.00	3772580.00	0.89859	444330.00	3772580.00	0.78987
442230.00	3772680.00	1.52535	442330.00	3772680.00	2.01693
442430.00	3772680.00	2.79740	442530.00	3772680.00	4.11815
442630.00	3772680.00	6.15475	442730.00	3772680.00	10.41073
442830.00	3772680.00	22.15848	443630.00	3772680.00	2.97111
443730.00	3772680.00	2.29447	443830.00	3772680.00	1.84287
443930.00	3772680.00	1.51345	444030.00	3772680.00	1.26829
444130.00	3772680.00	1.08246	444230.00	3772680.00	0.93689
444330.00	3772680.00	0.82020	442230.00	3772780.00	1.40290
442330.00	3772780.00	1.82554	442430.00	3772780.00	2.49881
442530.00	3772780.00	3.61021	442630.00	3772780.00	5.66072
442730.00	3772780.00	9.54502	442830.00	3772780.00	21.10293
443130.00	3772780.00	44.06134	443630.00	3772780.00	3.13022
443730.00	3772780.00	2.41105	443830.00	3772780.00	1.92018
443930.00	3772780.00	1.57355	444030.00	3772780.00	1.31544
444130.00	3772780.00	1.11915	444230.00	3772780.00	0.96593
444330.00	3772780.00	0.84431	442230.00	3772880.00	1.23464
442330.00	3772880.00	1.59494	442430.00	3772880.00	2.05325
442530.00	3772880.00	2.93916	442630.00	3772880.00	4.31175
442730.00	3772880.00	6.92198	442830.00	3772880.00	12.77631
442930.00	3772880.00	23.90236	443030.00	3772880.00	32.23104
443130.00	3772880.00	21.89030	443530.00	3772880.00	4.09043
443630.00	3772880.00	3.08090	443730.00	3772880.00	2.40565
443830.00	3772880.00	1.93303	443930.00	3772880.00	1.58958
444030.00	3772880.00	1.33239	444130.00	3772880.00	1.13493
444230.00	3772880.00	0.97996	444330.00	3772880.00	0.85671
442230.00	3772980.00	1.05468	442330.00	3772980.00	1.31682
442430.00	3772980.00	1.68540	442530.00	3772980.00	2.26317
442630.00	3772980.00	3.16983	442730.00	3772980.00	4.47040
442830.00	3772980.00	6.96518	442930.00	3772980.00	9.69816
443030.00	3772980.00	11.58158	443130.00	3772980.00	10.86726
443230.00	3772980.00	8.35952	443330.00	3772980.00	6.24503
443430.00	3772980.00	4.69547	443530.00	3772980.00	3.60217

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	2.82778	443730.00	3772980.00	2.27015
443830.00	3772980.00	1.85883	443930.00	3772980.00	1.54878
444030.00	3772980.00	1.31064	444130.00	3772980.00	1.12403
444230.00	3772980.00	0.97540	444330.00	3772980.00	0.85562
442230.00	3773080.00	0.89955	442330.00	3773080.00	1.08822
442430.00	3773080.00	1.33883	442530.00	3773080.00	1.73065
442630.00	3773080.00	2.24717	442730.00	3773080.00	3.10632
442830.00	3773080.00	4.06249	442930.00	3773080.00	5.33371
443030.00	3773080.00	5.80887	443130.00	3773080.00	5.68028
443230.00	3773080.00	5.34407	443330.00	3773080.00	4.52913
443430.00	3773080.00	3.68616	443530.00	3773080.00	3.00243
443630.00	3773080.00	2.46536	443730.00	3773080.00	2.04632
443830.00	3773080.00	1.71797	443930.00	3773080.00	1.45865
444030.00	3773080.00	1.25241	444130.00	3773080.00	1.08600
444230.00	3773080.00	0.95035	444330.00	3773080.00	0.83891
442230.00	3773180.00	0.74585	442330.00	3773180.00	0.87813
442430.00	3773180.00	1.06149	442530.00	3773180.00	1.29711
442630.00	3773180.00	1.60738	442730.00	3773180.00	2.04634
442830.00	3773180.00	2.54626	442930.00	3773180.00	2.98855
443030.00	3773180.00	3.39550	443130.00	3773180.00	3.53889
443230.00	3773180.00	3.51503	443330.00	3773180.00	3.33081
443430.00	3773180.00	2.88750	443530.00	3773180.00	2.47513
443630.00	3773180.00	2.09494	443730.00	3773180.00	1.79386
443830.00	3773180.00	1.54480	443930.00	3773180.00	1.33921
444030.00	3773180.00	1.16867	444130.00	3773180.00	1.02689
444230.00	3773180.00	0.90840	444330.00	3773180.00	0.80871
442230.00	3773280.00	0.62261	442330.00	3773280.00	0.72288
442430.00	3773280.00	0.84515	442530.00	3773280.00	0.98712
442630.00	3773280.00	1.19505	442730.00	3773280.00	1.42938
442830.00	3773280.00	1.69669	442930.00	3773280.00	2.01539
443030.00	3773280.00	2.15511	443130.00	3773280.00	2.36777
443230.00	3773280.00	2.42150	443330.00	3773280.00	2.41769
443430.00	3773280.00	2.22464	443530.00	3773280.00	1.97349
443630.00	3773280.00	1.77479	443730.00	3773280.00	1.59386
443830.00	3773280.00	1.37001	443930.00	3773280.00	1.20939
444030.00	3773280.00	1.07240	444130.00	3773280.00	0.95541
444230.00	3773280.00	0.85474	444330.00	3773280.00	0.76825
442230.00	3773380.00	0.50991	442330.00	3773380.00	0.58438
442430.00	3773380.00	0.66911	442530.00	3773380.00	0.76519
442630.00	3773380.00	0.86900	442730.00	3773380.00	1.05801

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	1.19919	442930.00	3773380.00	1.36115
443030.00	3773380.00	1.53953	443130.00	3773380.00	1.65758
443230.00	3773380.00	1.74084	443330.00	3773380.00	1.76942
443430.00	3773380.00	1.87783	443530.00	3773380.00	1.53617
443630.00	3773380.00	1.42981	443730.00	3773380.00	1.34407
443830.00	3773380.00	1.22923	443930.00	3773380.00	1.11210
444030.00	3773380.00	1.01001	444130.00	3773380.00	0.87927
444230.00	3773380.00	0.79536	444330.00	3773380.00	0.72172
442230.00	3773480.00	0.43229	442330.00	3773480.00	0.48410
442430.00	3773480.00	0.53691	442530.00	3773480.00	0.61453
442630.00	3773480.00	0.68609	442730.00	3773480.00	0.80891
442830.00	3773480.00	0.89330	442930.00	3773480.00	1.00470
443030.00	3773480.00	1.10963	443130.00	3773480.00	1.22711
443230.00	3773480.00	1.27278	443330.00	3773480.00	1.31247
443430.00	3773480.00	1.18204	443530.00	3773480.00	1.15384
443630.00	3773480.00	1.12350	443730.00	3773480.00	1.05918
443830.00	3773480.00	1.04291	443930.00	3773480.00	0.98506
444030.00	3773480.00	0.91520	444130.00	3773480.00	0.83741
444230.00	3773480.00	0.73510	444330.00	3773480.00	0.67289
442230.00	3773580.00	0.36108	442330.00	3773580.00	0.40266
442430.00	3773580.00	0.44554	442530.00	3773580.00	0.49410
442630.00	3773580.00	0.54283	442730.00	3773580.00	0.61618
442830.00	3773580.00	0.69141	442930.00	3773580.00	0.77216
443030.00	3773580.00	0.86537	443130.00	3773580.00	0.92176
443230.00	3773580.00	0.93935	443330.00	3773580.00	0.92186
443430.00	3773580.00	0.92500	443530.00	3773580.00	0.90844
443630.00	3773580.00	0.86805	443730.00	3773580.00	0.83181
443830.00	3773580.00	0.84105	443930.00	3773580.00	0.81569
444030.00	3773580.00	0.79445	444130.00	3773580.00	0.75762
444230.00	3773580.00	0.70715	444330.00	3773580.00	0.65980
442380.00	3772130.00	1.51870	442480.00	3772130.00	1.75179
442580.00	3772130.00	2.01475	442680.00	3772130.00	2.29415
442780.00	3772130.00	2.56202	442880.00	3772130.00	2.76893
442980.00	3772130.00	2.86314	443080.00	3772130.00	2.82228
443180.00	3772130.00	2.65454	443280.00	3772130.00	2.40590
443380.00	3772130.00	2.12648	443480.00	3772130.00	1.85472
443580.00	3772130.00	1.60897	443680.00	3772130.00	1.39791
443780.00	3772130.00	1.21593	443880.00	3772130.00	1.06402
443980.00	3772130.00	0.93711	444080.00	3772130.00	0.83016
442380.00	3772230.00	1.73661	442480.00	3772230.00	2.06006

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	2.45103	442680.00	3772230.00	2.89914
442780.00	3772230.00	3.36287	442880.00	3772230.00	3.74869
442980.00	3772230.00	3.94176	443080.00	3772230.00	3.86276
443180.00	3772230.00	3.54122	443280.00	3772230.00	3.09884
443380.00	3772230.00	2.63629	443480.00	3772230.00	2.21720
443580.00	3772230.00	1.86956	443680.00	3772230.00	1.58706
443780.00	3772230.00	1.35518	443880.00	3772230.00	1.16832
443980.00	3772230.00	1.01581	444080.00	3772230.00	0.88886
442380.00	3772330.00	1.97302	442480.00	3772330.00	2.41624
442580.00	3772330.00	2.99596	442680.00	3772330.00	3.73214
442780.00	3772330.00	4.59610	442880.00	3772330.00	5.43202
442980.00	3772330.00	5.89977	443080.00	3772330.00	5.71381
443180.00	3772330.00	4.98719	443280.00	3772330.00	4.10970
443380.00	3772330.00	3.30417	443480.00	3772330.00	2.66384
443580.00	3772330.00	2.17087	443680.00	3772330.00	1.79276
443780.00	3772330.00	1.50238	443880.00	3772330.00	1.27624
443980.00	3772330.00	1.09994	444080.00	3772330.00	0.95441
442380.00	3772430.00	2.20813	442480.00	3772430.00	2.79808
442580.00	3772430.00	3.64145	442680.00	3772430.00	4.85611
442780.00	3772430.00	6.56576	442880.00	3772430.00	8.62076
442980.00	3772430.00	10.03197	443080.00	3772430.00	9.47477
443180.00	3772430.00	7.53459	443280.00	3772430.00	5.61164
443380.00	3772430.00	4.18438	443480.00	3772430.00	3.19783
443580.00	3772430.00	2.51097	443680.00	3772430.00	2.01713
443780.00	3772430.00	1.65977	443880.00	3772430.00	1.39167
443980.00	3772430.00	1.17992	444080.00	3772430.00	1.01778
442380.00	3772530.00	2.41202	442480.00	3772530.00	3.15301
442580.00	3772530.00	4.31155	442680.00	3772530.00	6.23561
442780.00	3772530.00	9.62403	442880.00	3772530.00	15.57038
442980.00	3772530.00	22.15072	443080.00	3772530.00	19.22872
443180.00	3772530.00	12.22199	443280.00	3772530.00	7.79160
443380.00	3772530.00	5.29442	443480.00	3772530.00	3.81391
443580.00	3772530.00	2.88097	443680.00	3772530.00	2.25872
443780.00	3772530.00	1.82346	443880.00	3772530.00	1.50532
443980.00	3772530.00	1.26602	444080.00	3772530.00	1.08179
442380.00	3772630.00	2.36089	442480.00	3772630.00	3.40724
442580.00	3772630.00	4.83226	442680.00	3772630.00	7.47618
442780.00	3772630.00	13.28964	443680.00	3772630.00	2.49662
443780.00	3772630.00	1.97641	443880.00	3772630.00	1.61776
443980.00	3772630.00	1.34854	444080.00	3772630.00	1.14241

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	2.19481	442480.00	3772730.00	3.15425
442580.00	3772730.00	4.60352	442680.00	3772730.00	7.40896
442780.00	3772730.00	14.90290	443680.00	3772730.00	2.67757
443780.00	3772730.00	2.10698	443880.00	3772730.00	1.70421
443980.00	3772730.00	1.41372	444080.00	3772730.00	1.19313
442380.00	3772830.00	1.95537	442480.00	3772830.00	2.72182
442580.00	3772830.00	3.86978	442680.00	3772830.00	6.11328
442780.00	3772830.00	11.38559	443080.00	3772830.00	49.27494
443180.00	3772830.00	22.22736	443580.00	3772830.00	3.60412
443680.00	3772830.00	2.74569	443780.00	3772830.00	2.16028
443880.00	3772830.00	1.75003	443980.00	3772830.00	1.44916
444080.00	3772830.00	1.22266	442380.00	3772930.00	1.64653
442480.00	3772930.00	2.14935	442580.00	3772930.00	3.14012
442680.00	3772930.00	4.49569	442780.00	3772930.00	7.32892
442880.00	3772930.00	11.69548	442980.00	3772930.00	17.18633
443080.00	3772930.00	17.15005	443180.00	3772930.00	12.65802
443280.00	3772930.00	8.74312	443380.00	3772930.00	6.14734
443480.00	3772930.00	4.47942	443580.00	3772930.00	3.38313
443680.00	3772930.00	2.63685	443780.00	3772930.00	2.11139
443880.00	3772930.00	1.72898	443980.00	3772930.00	1.44280
444080.00	3772930.00	1.22361	442380.00	3773030.00	1.33356
442480.00	3773030.00	1.74750	442580.00	3773030.00	2.34000
442680.00	3773030.00	3.17363	442780.00	3773030.00	4.19418
442880.00	3773030.00	6.18725	442980.00	3773030.00	7.53751
443080.00	3773030.00	7.94225	443180.00	3773030.00	7.33683
443280.00	3773030.00	5.98638	443380.00	3773030.00	4.70372
443480.00	3773030.00	3.70530	443580.00	3773030.00	2.95418
443680.00	3773030.00	2.39187	443780.00	3773030.00	1.96745
443880.00	3773030.00	1.64248	443980.00	3773030.00	1.39061
444080.00	3773030.00	1.19164	442380.00	3773130.00	1.07695
442480.00	3773130.00	1.35320	442580.00	3773130.00	1.71399
442680.00	3773130.00	2.18899	442780.00	3773130.00	2.88859
442880.00	3773130.00	3.53149	442980.00	3773130.00	4.21374
443080.00	3773130.00	4.45477	443180.00	3773130.00	4.46391
443280.00	3773130.00	4.12073	443380.00	3773130.00	3.56396
443480.00	3773130.00	2.97692	443580.00	3773130.00	2.48606
443680.00	3773130.00	2.08890	443780.00	3773130.00	1.76911
443880.00	3773130.00	1.51104	443980.00	3773130.00	1.30223
444080.00	3773130.00	1.13195	442380.00	3773230.00	0.87243
442480.00	3773230.00	1.06155	442580.00	3773230.00	1.25546

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,
L0000308 , L0000309 , L0000310 , L0000311 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.54240	442780.00	3773230.00	1.82591
442880.00	3773230.00	2.16729	442980.00	3773230.00	2.58920
443080.00	3773230.00	2.77793	443180.00	3773230.00	2.92867
443280.00	3773230.00	2.86156	443380.00	3773230.00	2.72727
443480.00	3773230.00	2.35912	443580.00	3773230.00	2.08087
443680.00	3773230.00	1.79321	443780.00	3773230.00	1.55974
443880.00	3773230.00	1.36149	443980.00	3773230.00	1.19465
444080.00	3773230.00	1.05415			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.77438	442330.00	3771880.00	0.85882
442430.00	3771880.00	0.95365	442530.00	3771880.00	1.05824
442630.00	3771880.00	1.17182	442730.00	3771880.00	1.29111
442830.00	3771880.00	1.40907	442930.00	3771880.00	1.51878
443030.00	3771880.00	1.61237	443130.00	3771880.00	1.67870
443230.00	3771880.00	1.71113	443330.00	3771880.00	1.70723
443430.00	3771880.00	1.66776	443530.00	3771880.00	1.59707
443630.00	3771880.00	1.50241	443730.00	3771880.00	1.39072
443830.00	3771880.00	1.27459	443930.00	3771880.00	1.15780
444030.00	3771880.00	1.04490	444130.00	3771880.00	0.94272
444230.00	3771880.00	0.84976	444330.00	3771880.00	0.76583
442230.00	3771980.00	0.84048	442330.00	3771980.00	0.94341
442430.00	3771980.00	1.06211	442530.00	3771980.00	1.19759
442630.00	3771980.00	1.34895	442730.00	3771980.00	1.51438
442830.00	3771980.00	1.68287	442930.00	3771980.00	1.84626
443030.00	3771980.00	1.98536	443130.00	3771980.00	2.08548
443230.00	3771980.00	2.13321	443330.00	3771980.00	2.12877
443430.00	3771980.00	2.07063	443530.00	3771980.00	1.96655
443630.00	3771980.00	1.82047	443730.00	3771980.00	1.65924
443830.00	3771980.00	1.49601	443930.00	3771980.00	1.33519
444030.00	3771980.00	1.18487	444130.00	3771980.00	1.05031
444230.00	3771980.00	0.93219	444330.00	3771980.00	0.83452
442230.00	3772080.00	0.90916	442330.00	3772080.00	1.03391
442430.00	3772080.00	1.18250	442530.00	3772080.00	1.35845
442630.00	3772080.00	1.56337	442730.00	3772080.00	1.79559
442830.00	3772080.00	2.04599	442930.00	3772080.00	2.29504
443030.00	3772080.00	2.51595	443130.00	3772080.00	2.67357
443230.00	3772080.00	2.75035	443330.00	3772080.00	2.73996
443430.00	3772080.00	2.64527	443530.00	3772080.00	2.48651
443630.00	3772080.00	2.26065	443730.00	3772080.00	2.01625
443830.00	3772080.00	1.77702	443930.00	3772080.00	1.54940
444030.00	3772080.00	1.34758	444130.00	3772080.00	1.17479
444230.00	3772080.00	1.02969	444330.00	3772080.00	0.90796
442230.00	3772180.00	0.97792	442330.00	3772180.00	1.12752
442430.00	3772180.00	1.31198	442530.00	3772180.00	1.53964
442630.00	3772180.00	1.81911	442730.00	3772180.00	2.15472
442830.00	3772180.00	2.53960	442930.00	3772180.00	2.94124
443030.00	3772180.00	3.30800	443130.00	3772180.00	3.57762
443230.00	3772180.00	3.70811	443330.00	3772180.00	3.69290
443430.00	3772180.00	3.52815	443530.00	3772180.00	3.25122

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.89417	443730.00	3772180.00	2.51389
443830.00	3772180.00	2.14019	443930.00	3772180.00	1.81394
444030.00	3772180.00	1.53116	444130.00	3772180.00	1.31319
444230.00	3772180.00	1.13163	444330.00	3772180.00	0.98549
442230.00	3772280.00	1.03407	442330.00	3772280.00	1.21960
442430.00	3772280.00	1.44488	442530.00	3772280.00	1.73659
442630.00	3772280.00	2.11718	442730.00	3772280.00	2.60950
442830.00	3772280.00	3.22511	442930.00	3772280.00	3.92748
443030.00	3772280.00	4.60466	443130.00	3772280.00	5.09297
443230.00	3772280.00	5.30121	443330.00	3772280.00	5.24880
443430.00	3772280.00	4.96347	443530.00	3772280.00	4.48041
443630.00	3772280.00	3.86353	443730.00	3772280.00	3.20496
443830.00	3772280.00	2.61838	443930.00	3772280.00	2.13489
444030.00	3772280.00	1.75572	444130.00	3772280.00	1.46543
444230.00	3772280.00	1.24054	444330.00	3772280.00	1.06674
442230.00	3772380.00	1.06264	442330.00	3772380.00	1.27821
442430.00	3772380.00	1.53101	442530.00	3772380.00	1.89732
442630.00	3772380.00	2.43553	442730.00	3772380.00	3.17094
442830.00	3772380.00	4.20269	442930.00	3772380.00	5.57244
443030.00	3772380.00	7.02162	443130.00	3772380.00	8.02286
443230.00	3772380.00	8.35316	443330.00	3772380.00	8.15806
443430.00	3772380.00	7.62984	443530.00	3772380.00	6.72939
443630.00	3772380.00	5.50593	443730.00	3772380.00	4.25037
443830.00	3772380.00	3.25073	443930.00	3772380.00	2.52397
444030.00	3772380.00	2.00320	444130.00	3772380.00	1.63268
444230.00	3772380.00	1.35720	444330.00	3772380.00	1.15094
442230.00	3772480.00	1.05301	442330.00	3772480.00	1.28345
442430.00	3772480.00	1.58006	442530.00	3772480.00	2.04377
442630.00	3772480.00	2.74858	442730.00	3772480.00	3.80468
442830.00	3772480.00	5.57010	442930.00	3772480.00	8.66806
443030.00	3772480.00	12.89132	443130.00	3772480.00	15.45981
443230.00	3772480.00	15.62767	443330.00	3772480.00	14.78887
443430.00	3772480.00	13.81190	443530.00	3772480.00	11.97127
443630.00	3772480.00	8.84893	443730.00	3772480.00	5.93145
443830.00	3772480.00	4.09745	443930.00	3772480.00	2.97859
444030.00	3772480.00	2.27406	444130.00	3772480.00	1.80758
444230.00	3772480.00	1.47732	444330.00	3772480.00	1.23582
442230.00	3772580.00	0.94359	442330.00	3772580.00	1.17476
442430.00	3772580.00	1.54871	442530.00	3772580.00	2.01796
442630.00	3772580.00	2.85227	442730.00	3772580.00	4.20868

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	7.01065	442930.00	3772580.00	14.82195
443030.00	3772580.00	47.25314	443130.00	3772580.00	58.23711
443230.00	3772580.00	52.13373	443330.00	3772580.00	41.19862
443430.00	3772580.00	39.75130	443530.00	3772580.00	36.40115
443630.00	3772580.00	18.68738	443730.00	3772580.00	8.69431
443830.00	3772580.00	5.12053	443930.00	3772580.00	3.47933
444030.00	3772580.00	2.55495	444130.00	3772580.00	1.98010
444230.00	3772580.00	1.59429	444330.00	3772580.00	1.31815
442230.00	3772680.00	0.88540	442330.00	3772680.00	1.11769
442430.00	3772680.00	1.47926	442530.00	3772680.00	2.01592
442630.00	3772680.00	2.83331	442730.00	3772680.00	4.27977
442830.00	3772680.00	7.58496	443630.00	3772680.00	41.28481
443730.00	3772680.00	11.29646	443830.00	3772680.00	5.96042
443930.00	3772680.00	3.85462	444030.00	3772680.00	2.76396
444130.00	3772680.00	2.11226	444230.00	3772680.00	1.68285
444330.00	3772680.00	1.38115	442230.00	3772780.00	0.79674
442330.00	3772780.00	0.99061	442430.00	3772780.00	1.29645
442530.00	3772780.00	1.73239	442630.00	3772780.00	2.47275
442730.00	3772780.00	3.62418	442830.00	3772780.00	6.32422
443130.00	3772780.00	20.98417	443630.00	3772780.00	19.84780
443730.00	3772780.00	9.53295	443830.00	3772780.00	5.64832
443930.00	3772780.00	3.81673	444030.00	3772780.00	2.78701
444130.00	3772780.00	2.14540	444230.00	3772780.00	1.71453
444330.00	3772780.00	1.40976	442230.00	3772880.00	0.70691
442330.00	3772880.00	0.86875	442430.00	3772880.00	1.05907
442530.00	3772880.00	1.41004	442630.00	3772880.00	1.89324
442730.00	3772880.00	2.73021	442830.00	3772880.00	4.29055
442930.00	3772880.00	6.94305	443030.00	3772880.00	10.44221
443130.00	3772880.00	10.20842	443530.00	3772880.00	9.50338
443630.00	3772880.00	8.25070	443730.00	3772880.00	6.19624
443830.00	3772880.00	4.51502	443930.00	3772880.00	3.36365
444030.00	3772880.00	2.58848	444130.00	3772880.00	2.05311
444230.00	3772880.00	1.67057	444330.00	3772880.00	1.38930
442230.00	3772980.00	0.61849	442330.00	3772980.00	0.73915
442430.00	3772980.00	0.89858	442530.00	3772980.00	1.13201
442630.00	3772980.00	1.46966	442730.00	3772980.00	1.91223
442830.00	3772980.00	2.75468	442930.00	3772980.00	3.74314
443030.00	3772980.00	4.78700	443130.00	3772980.00	5.38140
443230.00	3772980.00	5.67191	443330.00	3772980.00	5.80990
443430.00	3772980.00	5.84091	443530.00	3772980.00	5.49994

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 ,
L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 ,
L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 ,
L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	5.04766	443730.00	3772980.00	4.11173
443830.00	3772980.00	3.44000	443930.00	3772980.00	2.78675
444030.00	3772980.00	2.26867	444130.00	3772980.00	1.86988
444230.00	3772980.00	1.56255	444330.00	3772980.00	1.32377
442230.00	3773080.00	0.54237	442330.00	3773080.00	0.63284
442430.00	3773080.00	0.74735	442530.00	3773080.00	0.91836
442630.00	3773080.00	1.13182	442730.00	3773080.00	1.47451
442830.00	3773080.00	1.85543	442930.00	3773080.00	2.43916
443030.00	3773080.00	2.86197	443130.00	3773080.00	3.19584
443230.00	3773080.00	3.56784	443330.00	3773080.00	3.81687
443430.00	3773080.00	3.88641	443530.00	3773080.00	3.67199
443630.00	3773080.00	3.32675	443730.00	3773080.00	2.95462
443830.00	3773080.00	2.67468	443930.00	3773080.00	2.28686
444030.00	3773080.00	1.93988	444130.00	3773080.00	1.65409
444230.00	3773080.00	1.41978	444330.00	3773080.00	1.22775
442230.00	3773180.00	0.46531	442330.00	3773180.00	0.53242
442430.00	3773180.00	0.62271	442530.00	3773180.00	0.73509
442630.00	3773180.00	0.87962	442730.00	3773180.00	1.08219
442830.00	3773180.00	1.32102	442930.00	3773180.00	1.56670
443030.00	3773180.00	1.86160	443130.00	3773180.00	2.12839
443230.00	3773180.00	2.39778	443330.00	3773180.00	2.62253
443430.00	3773180.00	2.68185	443530.00	3773180.00	2.43703
443630.00	3773180.00	2.35639	443730.00	3773180.00	2.18808
443830.00	3773180.00	1.99201	443930.00	3773180.00	1.82393
444030.00	3773180.00	1.63381	444130.00	3773180.00	1.44930
444230.00	3773180.00	1.27597	444330.00	3773180.00	1.11915
442230.00	3773280.00	0.40227	442330.00	3773280.00	0.45645
442430.00	3773280.00	0.52117	442530.00	3773280.00	0.59525
442630.00	3773280.00	0.70286	442730.00	3773280.00	0.82606
442830.00	3773280.00	0.97414	442930.00	3773280.00	1.16660
443030.00	3773280.00	1.30029	443130.00	3773280.00	1.51053
443230.00	3773280.00	1.68905	443330.00	3773280.00	1.87090
443430.00	3773280.00	1.90055	443530.00	3773280.00	1.78469
443630.00	3773280.00	1.71331	443730.00	3773280.00	1.61341
443830.00	3773280.00	1.60949	443930.00	3773280.00	1.47374
444030.00	3773280.00	1.35555	444130.00	3773280.00	1.25362
444230.00	3773280.00	1.13535	444330.00	3773280.00	1.03045
442230.00	3773380.00	0.34197	442330.00	3773380.00	0.38492
442430.00	3773380.00	0.43322	442530.00	3773380.00	0.48781
442630.00	3773380.00	0.54753	442730.00	3773380.00	0.65572

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.74467	442930.00	3773380.00	0.85654
443030.00	3773380.00	0.99421	443130.00	3773380.00	1.11733
443230.00	3773380.00	1.23994	443330.00	3773380.00	1.36232
443430.00	3773380.00	1.60707	443530.00	3773380.00	1.32304
443630.00	3773380.00	1.27986	443730.00	3773380.00	1.25597
443830.00	3773380.00	1.22642	443930.00	3773380.00	1.18886
444030.00	3773380.00	1.11590	444130.00	3773380.00	1.06232
444230.00	3773380.00	0.98877	444330.00	3773380.00	0.91918
442230.00	3773480.00	0.29911	442330.00	3773480.00	0.33069
442430.00	3773480.00	0.36289	442530.00	3773480.00	0.41006
442630.00	3773480.00	0.45457	442730.00	3773480.00	0.53090
442830.00	3773480.00	0.58957	442930.00	3773480.00	0.67122
443030.00	3773480.00	0.75904	443130.00	3773480.00	0.86484
443230.00	3773480.00	0.93525	443330.00	3773480.00	1.00793
443430.00	3773480.00	0.95406	443530.00	3773480.00	0.96452
443630.00	3773480.00	0.96918	443730.00	3773480.00	0.93147
443830.00	3773480.00	0.95971	443930.00	3773480.00	0.93083
444030.00	3773480.00	0.91458	444130.00	3773480.00	0.89120
444230.00	3773480.00	0.84853	444330.00	3773480.00	0.80001
442230.00	3773580.00	0.25773	442330.00	3773580.00	0.28441
442430.00	3773580.00	0.31198	442530.00	3773580.00	0.34342
442630.00	3773580.00	0.37581	442730.00	3773580.00	0.42516
442830.00	3773580.00	0.47890	442930.00	3773580.00	0.54077
443030.00	3773580.00	0.61660	443130.00	3773580.00	0.67554
443230.00	3773580.00	0.71343	443330.00	3773580.00	0.72790
443430.00	3773580.00	0.75400	443530.00	3773580.00	0.76155
443630.00	3773580.00	0.74390	443730.00	3773580.00	0.72304
443830.00	3773580.00	0.74320	443930.00	3773580.00	0.73281
444030.00	3773580.00	0.73268	444130.00	3773580.00	0.75032
444230.00	3773580.00	0.73144	444330.00	3773580.00	0.69324
442380.00	3772130.00	1.15963	442480.00	3772130.00	1.34196
442580.00	3772130.00	1.56135	442680.00	3772130.00	1.82067
442780.00	3772130.00	2.11688	442880.00	3772130.00	2.43216
442980.00	3772130.00	2.73300	443080.00	3772130.00	2.98136
443180.00	3772130.00	3.13684	443280.00	3772130.00	3.18032
443380.00	3772130.00	3.10975	443480.00	3772130.00	2.93950
443580.00	3772130.00	2.69064	443680.00	3772130.00	2.39947
443780.00	3772130.00	2.09093	443880.00	3772130.00	1.80284
443980.00	3772130.00	1.54949	444080.00	3772130.00	1.33358
442380.00	3772230.00	1.27039	442480.00	3772230.00	1.50002

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.79076	442680.00	3772230.00	2.15601
442780.00	3772230.00	2.60191	442880.00	3772230.00	3.11010
442980.00	3772230.00	3.62777	443080.00	3772230.00	4.06350
443180.00	3772230.00	4.33065	443280.00	3772230.00	4.40321
443380.00	3772230.00	4.27863	443480.00	3772230.00	3.98073
443580.00	3772230.00	3.56281	443680.00	3772230.00	3.07796
443780.00	3772230.00	2.58627	443880.00	3772230.00	2.15256
443980.00	3772230.00	1.79264	444080.00	3772230.00	1.50037
442380.00	3772330.00	1.36108	442480.00	3772330.00	1.65357
442580.00	3772330.00	2.04125	442680.00	3772330.00	2.55565
442780.00	3772330.00	3.24769	442880.00	3772330.00	4.13752
442980.00	3772330.00	5.13568	443080.00	3772330.00	5.99250
443180.00	3772330.00	6.46331	443280.00	3772330.00	6.54759
443380.00	3772330.00	6.29299	443480.00	3772330.00	5.77663
443580.00	3772330.00	5.00859	443680.00	3772330.00	4.10744
443780.00	3772330.00	3.26760	443880.00	3772330.00	2.59040
443980.00	3772330.00	2.08495	444080.00	3772330.00	1.69874
442380.00	3772430.00	1.39990	442480.00	3772430.00	1.75551
442580.00	3772430.00	2.26546	442680.00	3772430.00	3.00120
442780.00	3772430.00	4.08699	442880.00	3772430.00	5.75804
442980.00	3772430.00	8.04182	443080.00	3772430.00	10.12006
443180.00	3772430.00	11.02977	443280.00	3772430.00	10.94121
443380.00	3772430.00	10.39229	443480.00	3772430.00	9.43890
443580.00	3772430.00	7.82700	443680.00	3772430.00	5.85181
443780.00	3772430.00	4.24874	443880.00	3772430.00	3.15099
443980.00	3772430.00	2.40532	444080.00	3772430.00	1.90826
442380.00	3772530.00	1.38830	442480.00	3772530.00	1.78554
442580.00	3772530.00	2.40939	442680.00	3772530.00	3.36548
442780.00	3772530.00	5.01721	442880.00	3772530.00	8.31172
442980.00	3772530.00	15.64224	443080.00	3772530.00	24.05824
443180.00	3772530.00	25.53917	443280.00	3772530.00	23.32462
443380.00	3772530.00	21.78336	443480.00	3772530.00	20.17977
443580.00	3772530.00	15.60015	443680.00	3772530.00	9.28340
443780.00	3772530.00	5.66612	443880.00	3772530.00	3.81701
443980.00	3772530.00	2.77550	444080.00	3772530.00	2.12996
442380.00	3772630.00	1.28763	442480.00	3772630.00	1.71305
442580.00	3772630.00	2.37809	442680.00	3772630.00	3.44028
442780.00	3772630.00	5.50360	443680.00	3772630.00	16.11065
443780.00	3772630.00	7.34486	443880.00	3772630.00	4.50114
443980.00	3772630.00	3.12326	444080.00	3772630.00	2.33057

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.18016	442480.00	3772730.00	1.58432
442580.00	3772730.00	2.11800	442680.00	3772730.00	3.07587
442780.00	3772730.00	5.22400	443680.00	3772730.00	17.45823
443780.00	3772730.00	7.85055	443880.00	3772730.00	4.74628
443980.00	3772730.00	3.27915	444080.00	3772730.00	2.43838
442380.00	3772830.00	1.03246	442480.00	3772830.00	1.34993
442580.00	3772830.00	1.77470	442680.00	3772830.00	2.52419
442780.00	3772830.00	3.97263	443080.00	3772830.00	17.42590
443180.00	3772830.00	13.08478	443580.00	3772830.00	13.17830
443680.00	3772830.00	9.60034	443780.00	3772830.00	6.23187
443880.00	3772830.00	4.27535	443980.00	3772830.00	3.11662
444080.00	3772830.00	2.38296	442380.00	3772930.00	0.88586
442480.00	3772930.00	1.09027	442580.00	3772930.00	1.46948
442680.00	3772930.00	1.92641	442780.00	3772930.00	2.84347
442880.00	3772930.00	4.10710	442980.00	3772930.00	5.81622
443080.00	3772930.00	6.92435	443180.00	3772930.00	7.34398
443280.00	3772930.00	7.27493	443380.00	3772930.00	7.39384
443480.00	3772930.00	7.28419	443580.00	3772930.00	6.85164
443680.00	3772930.00	5.71621	443780.00	3772930.00	4.47981
443880.00	3772930.00	3.47594	443980.00	3772930.00	2.72928
444080.00	3772930.00	2.18426	442380.00	3773030.00	0.74506
442480.00	3773030.00	0.92410	442580.00	3773030.00	1.16356
442680.00	3773030.00	1.47828	442780.00	3773030.00	1.84442
442880.00	3773030.00	2.59954	442980.00	3773030.00	3.28455
443080.00	3773030.00	3.86959	443180.00	3773030.00	4.33717
443280.00	3773030.00	4.57299	443380.00	3773030.00	4.67440
443480.00	3773030.00	4.70965	443580.00	3773030.00	4.21950
443680.00	3773030.00	3.79112	443780.00	3773030.00	3.27482
443880.00	3773030.00	2.76929	443980.00	3773030.00	2.29992
444080.00	3773030.00	1.92249	442380.00	3773130.00	0.62794
442480.00	3773130.00	0.75656	442580.00	3773130.00	0.91732
442680.00	3773130.00	1.12242	442780.00	3773130.00	1.42246
442880.00	3773130.00	1.72082	442980.00	3773130.00	2.11264
443080.00	3773130.00	2.43925	443180.00	3773130.00	2.79293
443280.00	3773130.00	3.02126	443380.00	3773130.00	3.22186
443480.00	3773130.00	3.50735	443580.00	3773130.00	2.94308
443680.00	3773130.00	2.66133	443780.00	3773130.00	2.38727
443880.00	3773130.00	2.23811	443980.00	3773130.00	1.92887
444080.00	3773130.00	1.66402	442380.00	3773230.00	0.53185
442480.00	3773230.00	0.62712	442580.00	3773230.00	0.72280

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.86367	442780.00	3773230.00	1.00787
442880.00	3773230.00	1.19518	442980.00	3773230.00	1.45463
443080.00	3773230.00	1.65263	443180.00	3773230.00	1.91762
443280.00	3773230.00	2.09295	443380.00	3773230.00	2.26637
443480.00	3773230.00	2.12917	443580.00	3773230.00	2.00853
443680.00	3773230.00	1.94963	443780.00	3773230.00	1.87025
443880.00	3773230.00	1.70882	443980.00	3773230.00	1.56369
444080.00	3773230.00	1.42577			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.83131	442330.00	3771880.00	0.92000
442430.00	3771880.00	1.01813	442530.00	3771880.00	1.12399
442630.00	3771880.00	1.23562	442730.00	3771880.00	1.34784
442830.00	3771880.00	1.45106	442930.00	3771880.00	1.53652
443030.00	3771880.00	1.59533	443130.00	3771880.00	1.61686
443230.00	3771880.00	1.59812	443330.00	3771880.00	1.54285
443430.00	3771880.00	1.45894	443530.00	3771880.00	1.35675
443630.00	3771880.00	1.24650	443730.00	3771880.00	1.13477
443830.00	3771880.00	1.03000	443930.00	3771880.00	0.93236
444030.00	3771880.00	0.84265	444130.00	3771880.00	0.76387
444230.00	3771880.00	0.69340	444330.00	3771880.00	0.63017
442230.00	3771980.00	0.91132	442330.00	3771980.00	1.02189
442430.00	3771980.00	1.14786	442530.00	3771980.00	1.28913
442630.00	3771980.00	1.44286	442730.00	3771980.00	1.60475
442830.00	3771980.00	1.75884	442930.00	3771980.00	1.89338
443030.00	3771980.00	1.98475	443130.00	3771980.00	2.01838
443230.00	3771980.00	1.98630	443330.00	3771980.00	1.90014
443430.00	3771980.00	1.77208	443530.00	3771980.00	1.62141
443630.00	3771980.00	1.45860	443730.00	3771980.00	1.30535
443830.00	3771980.00	1.16697	443930.00	3771980.00	1.04118
444030.00	3771980.00	0.92908	444130.00	3771980.00	0.83115
444230.00	3771980.00	0.74593	444330.00	3771980.00	0.67550
442230.00	3772080.00	0.99644	442330.00	3772080.00	1.13351
442430.00	3772080.00	1.29545	442530.00	3772080.00	1.48475
442630.00	3772080.00	1.70068	442730.00	3772080.00	1.93755
442830.00	3772080.00	2.17942	442930.00	3772080.00	2.39707
443030.00	3772080.00	2.55410	443130.00	3772080.00	2.60990
443230.00	3772080.00	2.55556	443330.00	3772080.00	2.40679
443430.00	3772080.00	2.19603	443530.00	3772080.00	1.96584
443630.00	3772080.00	1.72600	443730.00	3772080.00	1.51065
443830.00	3772080.00	1.32490	443930.00	3772080.00	1.16179
444030.00	3772080.00	1.02273	444130.00	3772080.00	0.90524
444230.00	3772080.00	0.80637	444330.00	3772080.00	0.72248
442230.00	3772180.00	1.08405	442330.00	3772180.00	1.25221
442430.00	3772180.00	1.45881	442530.00	3772180.00	1.71146
442630.00	3772180.00	2.01740	442730.00	3772180.00	2.37616
442830.00	3772180.00	2.77074	442930.00	3772180.00	3.14882
443030.00	3772180.00	3.43434	443130.00	3772180.00	3.54504
443230.00	3772180.00	3.44551	443330.00	3772180.00	3.17511
443430.00	3772180.00	2.80144	443530.00	3772180.00	2.41598

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.06155	443730.00	3772180.00	1.76106
443830.00	3772180.00	1.50544	443930.00	3772180.00	1.29704
444030.00	3772180.00	1.12012	444130.00	3772180.00	0.98312
444230.00	3772180.00	0.86671	444330.00	3772180.00	0.77070
442230.00	3772280.00	1.16971	442330.00	3772280.00	1.37257
442430.00	3772280.00	1.63160	442530.00	3772280.00	1.96599
442630.00	3772280.00	2.39895	442730.00	3772280.00	2.94999
442830.00	3772280.00	3.62104	442930.00	3772280.00	4.34280
443030.00	3772280.00	4.94123	443130.00	3772280.00	5.17722
443230.00	3772280.00	4.94536	443330.00	3772280.00	4.37255
443430.00	3772280.00	3.67301	443530.00	3772280.00	3.01943
443630.00	3772280.00	2.47877	443730.00	3772280.00	2.04551
443830.00	3772280.00	1.70941	443930.00	3772280.00	1.44342
444030.00	3772280.00	1.23202	444130.00	3772280.00	1.06439
444230.00	3772280.00	0.92896	444330.00	3772280.00	0.82007
442230.00	3772380.00	1.24752	442330.00	3772380.00	1.48599
442430.00	3772380.00	1.80162	442530.00	3772380.00	2.23154
442630.00	3772380.00	2.83241	442730.00	3772380.00	3.68156
442830.00	3772380.00	4.87462	442930.00	3772380.00	6.41235
443030.00	3772380.00	7.89074	443130.00	3772380.00	8.51443
443230.00	3772380.00	7.89661	443330.00	3772380.00	6.45723
443430.00	3772380.00	4.98989	443530.00	3772380.00	3.83242
443630.00	3772380.00	2.99029	443730.00	3772380.00	2.37740
443830.00	3772380.00	1.93345	443930.00	3772380.00	1.60131
444030.00	3772380.00	1.34565	444130.00	3772380.00	1.14981
444230.00	3772380.00	0.99383	444330.00	3772380.00	0.87021
442230.00	3772480.00	1.27851	442330.00	3772480.00	1.56460
442430.00	3772480.00	1.93682	442530.00	3772480.00	2.47938
442630.00	3772480.00	3.27406	442730.00	3772480.00	4.53660
442830.00	3772480.00	6.67738	442930.00	3772480.00	10.40682
443030.00	3772480.00	15.32218	443130.00	3772480.00	17.56387
443230.00	3772480.00	15.24640	443330.00	3772480.00	10.53735
443430.00	3772480.00	7.02417	443530.00	3772480.00	4.90446
443630.00	3772480.00	3.60377	443730.00	3772480.00	2.75315
443830.00	3772480.00	2.17886	443930.00	3772480.00	1.76494
444030.00	3772480.00	1.46162	444130.00	3772480.00	1.23532
444230.00	3772480.00	1.05896	444330.00	3772480.00	0.91998
442230.00	3772580.00	1.17150	442330.00	3772580.00	1.46413
442430.00	3772580.00	1.93413	442530.00	3772580.00	2.53787
442630.00	3772580.00	3.59892	442730.00	3772580.00	5.29696

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	8.77753	442930.00	3772580.00	18.40414
443030.00	3772580.00	58.69200	443130.00	3772580.00	71.30699
443230.00	3772580.00	55.52446	443330.00	3772580.00	19.66287
443430.00	3772580.00	10.05256	443530.00	3772580.00	6.23938
443630.00	3772580.00	4.29658	443730.00	3772580.00	3.15126
443830.00	3772580.00	2.41943	443930.00	3772580.00	1.93063
444030.00	3772580.00	1.57801	444130.00	3772580.00	1.31883
444230.00	3772580.00	1.12288	444330.00	3772580.00	0.96915
442230.00	3772680.00	1.10875	442330.00	3772680.00	1.40807
442430.00	3772680.00	1.87732	442530.00	3772680.00	2.57472
442630.00	3772680.00	3.64857	442730.00	3772680.00	5.55030
442830.00	3772680.00	9.83911	443630.00	3772680.00	4.89704
443730.00	3772680.00	3.48422	443830.00	3772680.00	2.63979
443930.00	3772680.00	2.07308	444030.00	3772680.00	1.67735
444130.00	3772680.00	1.39190	444230.00	3772680.00	1.17721
444330.00	3772680.00	1.01086	442230.00	3772780.00	1.00443
442330.00	3772780.00	1.26226	442430.00	3772780.00	1.66947
442530.00	3772780.00	2.25256	442630.00	3772780.00	3.25535
442730.00	3772780.00	4.82199	442830.00	3772780.00	8.47068
443130.00	3772780.00	38.16895	443630.00	3772780.00	5.14795
443730.00	3772780.00	3.66198	443830.00	3772780.00	2.75165
443930.00	3772780.00	2.15769	444030.00	3772780.00	1.74198
444130.00	3772780.00	1.44094	444230.00	3772780.00	1.21518
444330.00	3772780.00	1.04178	442230.00	3772880.00	0.89060
442330.00	3772880.00	1.11001	442430.00	3772880.00	1.37041
442530.00	3772880.00	1.85602	442630.00	3772880.00	2.53438
442730.00	3772880.00	3.72357	442830.00	3772880.00	5.97518
442930.00	3772880.00	9.98489	443030.00	3772880.00	16.44243
443130.00	3772880.00	23.80169	443530.00	3772880.00	7.22685
443630.00	3772880.00	4.91210	443730.00	3772880.00	3.57684
443830.00	3772880.00	2.72993	443930.00	3772880.00	2.15724
444030.00	3772880.00	1.75152	444130.00	3772880.00	1.45353
444230.00	3772880.00	1.22806	444330.00	3772880.00	1.05404
442230.00	3772980.00	0.77526	442330.00	3772980.00	0.93903
442430.00	3772980.00	1.15914	442530.00	3772980.00	1.48838
442630.00	3772980.00	1.97730	442730.00	3772980.00	2.64165
442830.00	3772980.00	3.95059	442930.00	3772980.00	5.67828
443030.00	3772980.00	8.20602	443130.00	3772980.00	12.01886
443230.00	3772980.00	19.05266	443330.00	3772980.00	14.41187
443430.00	3772980.00	8.71215	443530.00	3772980.00	5.90017

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	4.28225	443730.00	3772980.00	3.25283
443830.00	3772980.00	2.55505	443930.00	3772980.00	2.05998
444030.00	3772980.00	1.69693	444130.00	3772980.00	1.42295
444230.00	3772980.00	1.21143	444330.00	3772980.00	1.04532
442230.00	3773080.00	0.67593	442330.00	3773080.00	0.79888
442430.00	3773080.00	0.95769	442530.00	3773080.00	1.20080
442630.00	3773080.00	1.51484	442730.00	3773080.00	2.04028
442830.00	3773080.00	2.67294	442930.00	3773080.00	3.72680
443030.00	3773080.00	4.75671	443130.00	3773080.00	5.94929
443230.00	3773080.00	7.23724	443330.00	3773080.00	6.95883
443430.00	3773080.00	5.68690	443530.00	3773080.00	4.43359
443630.00	3773080.00	3.48988	443730.00	3773080.00	2.79573
443830.00	3773080.00	2.28025	443930.00	3773080.00	1.88901
444030.00	3773080.00	1.58807	444130.00	3773080.00	1.35234
444230.00	3773080.00	1.16491	444330.00	3773080.00	1.01412
442230.00	3773180.00	0.57495	442330.00	3773180.00	0.66609
442430.00	3773180.00	0.79138	442530.00	3773180.00	0.95171
442630.00	3773180.00	1.16495	442730.00	3773180.00	1.47635
442830.00	3773180.00	1.86892	442930.00	3773180.00	2.31791
443030.00	3773180.00	2.91987	443130.00	3773180.00	3.50868
443230.00	3773180.00	3.99372	443330.00	3773180.00	4.15355
443430.00	3773180.00	3.79510	443530.00	3773180.00	3.15922
443630.00	3773180.00	2.73223	443730.00	3773180.00	2.33140
443830.00	3773180.00	1.97802	443930.00	3773180.00	1.68592
444030.00	3773180.00	1.44616	444130.00	3773180.00	1.25420
444230.00	3773180.00	1.09590	444330.00	3773180.00	0.96488
442230.00	3773280.00	0.49292	442330.00	3773280.00	0.56631
442430.00	3773280.00	0.65593	442530.00	3773280.00	0.76131
442630.00	3773280.00	0.91803	442730.00	3773280.00	1.10481
442830.00	3773280.00	1.33990	442930.00	3773280.00	1.66164
443030.00	3773280.00	1.90863	443130.00	3773280.00	2.28830
443230.00	3773280.00	2.55517	443330.00	3773280.00	2.73291
443430.00	3773280.00	2.61225	443530.00	3773280.00	2.31124
443630.00	3773280.00	2.08796	443730.00	3773280.00	1.87749
443830.00	3773280.00	1.68787	443930.00	3773280.00	1.48678
444030.00	3773280.00	1.29976	444130.00	3773280.00	1.14342
444230.00	3773280.00	1.01368	444330.00	3773280.00	0.90336
442230.00	3773380.00	0.41510	442330.00	3773380.00	0.47272
442430.00	3773380.00	0.53884	442530.00	3773380.00	0.61524
442630.00	3773380.00	0.70096	442730.00	3773380.00	0.85813

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.99364	442930.00	3773380.00	1.16846
443030.00	3773380.00	1.38795	443130.00	3773380.00	1.58302
443230.00	3773380.00	1.75945	443330.00	3773380.00	1.88520
443430.00	3773380.00	2.09643	443530.00	3773380.00	1.68863
443630.00	3773380.00	1.57526	443730.00	3773380.00	1.49288
443830.00	3773380.00	1.39485	443930.00	3773380.00	1.28487
444030.00	3773380.00	1.17294	444130.00	3773380.00	1.04343
444230.00	3773380.00	0.93239	444330.00	3773380.00	0.83937
442230.00	3773480.00	0.36024	442330.00	3773480.00	0.40222
442430.00	3773480.00	0.44579	442530.00	3773480.00	0.51006
442630.00	3773480.00	0.57217	442730.00	3773480.00	0.67954
442830.00	3773480.00	0.76480	442930.00	3773480.00	0.88449
443030.00	3773480.00	1.01369	443130.00	3773480.00	1.16697
443230.00	3773480.00	1.25854	443330.00	3773480.00	1.34112
443430.00	3773480.00	1.22676	443530.00	3773480.00	1.20864
443630.00	3773480.00	1.18454	443730.00	3773480.00	1.11587
443830.00	3773480.00	1.12088	443930.00	3773480.00	1.06609
444030.00	3773480.00	1.01203	444130.00	3773480.00	0.94258
444230.00	3773480.00	0.86950	444330.00	3773480.00	0.79590
442230.00	3773580.00	0.30744	442330.00	3773580.00	0.34226
442430.00	3773580.00	0.37874	442530.00	3773580.00	0.42077
442630.00	3773580.00	0.46468	442730.00	3773580.00	0.53187
442830.00	3773580.00	0.60601	442930.00	3773580.00	0.69205
443030.00	3773580.00	0.79744	443130.00	3773580.00	0.87621
443230.00	3773580.00	0.91982	443330.00	3773580.00	0.92437
443430.00	3773580.00	0.94177	443530.00	3773580.00	0.93261
443630.00	3773580.00	0.89275	443730.00	3773580.00	0.85485
443830.00	3773580.00	0.87062	443930.00	3773580.00	0.84874
444030.00	3773580.00	0.83532	444130.00	3773580.00	0.82358
444230.00	3773580.00	0.77436	444330.00	3773580.00	0.72677
442380.00	3772130.00	1.27992	442480.00	3772130.00	1.48031
442580.00	3772130.00	1.71818	442680.00	3772130.00	1.99326
442780.00	3772130.00	2.29634	442880.00	3772130.00	2.59781
442980.00	3772130.00	2.84862	443080.00	3772130.00	2.99755
443180.00	3772130.00	3.00122	443280.00	3772130.00	2.86066
443380.00	3772130.00	2.61468	443480.00	3772130.00	2.32099
443580.00	3772130.00	2.02443	443680.00	3772130.00	1.75477
443780.00	3772130.00	1.51542	443880.00	3772130.00	1.31360
443980.00	3772130.00	1.14493	444080.00	3772130.00	1.00356
442380.00	3772230.00	1.42206	442480.00	3772230.00	1.68200

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	2.00864	442680.00	3772230.00	2.41270
442780.00	3772230.00	2.89323	442880.00	3772230.00	3.41381
442980.00	3772230.00	3.88954	443080.00	3772230.00	4.18628
443180.00	3772230.00	4.19265	443280.00	3772230.00	3.91670
443380.00	3772230.00	3.45325	443480.00	3772230.00	2.93714
443580.00	3772230.00	2.46772	443680.00	3772230.00	2.07129
443780.00	3772230.00	1.74247	443880.00	3772230.00	1.47878
443980.00	3772230.00	1.26607	444080.00	3772230.00	1.09165
442380.00	3772330.00	1.56467	442480.00	3772330.00	1.89487
442580.00	3772330.00	2.33590	442680.00	3772330.00	2.92859
442780.00	3772330.00	3.71493	442880.00	3772330.00	4.69801
442980.00	3772330.00	5.72391	443080.00	3772330.00	6.41512
443180.00	3772330.00	6.40570	443280.00	3772330.00	5.74492
443380.00	3772330.00	4.75234	443480.00	3772330.00	3.80764
443580.00	3772330.00	3.03779	443680.00	3772330.00	2.44509
443780.00	3772330.00	1.99771	443880.00	3772330.00	1.65772
443980.00	3772330.00	1.39935	444080.00	3772330.00	1.19153
442380.00	3772430.00	1.68970	442480.00	3772430.00	2.09920
442580.00	3772430.00	2.67520	442680.00	3772430.00	3.52359
442780.00	3772430.00	4.81749	442880.00	3772430.00	6.78718
442980.00	3772430.00	9.39643	443080.00	3772430.00	11.45679
443180.00	3772430.00	11.43527	443280.00	3772430.00	9.41603
443380.00	3772430.00	6.93356	443480.00	3772430.00	5.04371
443580.00	3772430.00	3.76166	443680.00	3772430.00	2.88643
443780.00	3772430.00	2.28566	443880.00	3772430.00	1.85581
443980.00	3772430.00	1.53058	444080.00	3772430.00	1.29037
442380.00	3772530.00	1.71534	442480.00	3772530.00	2.21796
442580.00	3772530.00	2.97300	442680.00	3772530.00	4.10746
442780.00	3772530.00	6.11389	442880.00	3772530.00	10.15724
442980.00	3772530.00	19.12412	443080.00	3772530.00	29.09085
443180.00	3772530.00	28.77895	443280.00	3772530.00	19.07050
443380.00	3772530.00	10.78528	443480.00	3772530.00	6.76608
443580.00	3772530.00	4.64185	443680.00	3772530.00	3.39248
443780.00	3772530.00	2.59676	443880.00	3772530.00	2.05612
443980.00	3772530.00	1.67242	444080.00	3772530.00	1.39063
442380.00	3772630.00	1.62075	442480.00	3772630.00	2.16557
442580.00	3772630.00	3.04189	442680.00	3772630.00	4.40292
442780.00	3772630.00	7.06806	443680.00	3772630.00	3.89550
443780.00	3772630.00	2.88664	443880.00	3772630.00	2.25088
443980.00	3772630.00	1.80608	444080.00	3772630.00	1.48391

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.50439	442480.00	3772730.00	2.03735
442580.00	3772730.00	2.75395	442680.00	3772730.00	4.03200
442780.00	3772730.00	6.87694	443680.00	3772730.00	4.23279
443780.00	3772730.00	3.10936	443880.00	3772730.00	2.38863
443980.00	3772730.00	1.90451	444080.00	3772730.00	1.55728
442380.00	3772830.00	1.32657	442480.00	3772830.00	1.75776
442580.00	3772830.00	2.34288	442680.00	3772830.00	3.38003
442780.00	3772830.00	5.40491	443080.00	3772830.00	27.90164
443180.00	3772830.00	48.74738	443580.00	3772830.00	6.13773
443680.00	3772830.00	4.28075	443780.00	3772830.00	3.15897
443880.00	3772830.00	2.43873	443980.00	3772830.00	1.94479
444080.00	3772830.00	1.59189	442380.00	3772930.00	1.13696
442480.00	3772930.00	1.42046	442580.00	3772930.00	1.95702
442680.00	3772930.00	2.61820	442780.00	3772930.00	3.96613
442880.00	3772930.00	5.93416	442980.00	3772930.00	9.04920
443080.00	3772930.00	13.21801	443180.00	3772930.00	25.61219
443280.00	3772930.00	48.52833	443380.00	3772930.00	14.21773
443480.00	3772930.00	8.19235	443580.00	3772930.00	5.49300
443680.00	3772930.00	3.96902	443780.00	3772930.00	3.01077
443880.00	3772930.00	2.36585	443980.00	3772930.00	1.91058
444080.00	3772930.00	1.57746	442380.00	3773030.00	0.95038
442480.00	3773030.00	1.20108	442580.00	3773030.00	1.54562
442680.00	3773030.00	2.01490	442780.00	3773030.00	2.59317
442880.00	3773030.00	3.84939	442980.00	3773030.00	5.25042
443080.00	3773030.00	7.08733	443180.00	3773030.00	9.85922
443280.00	3773030.00	10.69964	443380.00	3773030.00	8.29097
443480.00	3773030.00	5.99244	443580.00	3773030.00	4.45254
443680.00	3773030.00	3.42225	443780.00	3773030.00	2.70437
443880.00	3773030.00	2.18685	443980.00	3773030.00	1.80336
444080.00	3773030.00	1.51164	442380.00	3773130.00	0.79506
442480.00	3773130.00	0.97574	442580.00	3773130.00	1.20876
442680.00	3773130.00	1.51835	442780.00	3773130.00	1.99495
442880.00	3773130.00	2.52134	442980.00	3773130.00	3.29710
443080.00	3773130.00	4.09838	443180.00	3773130.00	4.98349
443280.00	3773130.00	5.35746	443380.00	3773130.00	5.01156
443480.00	3773130.00	4.23390	443580.00	3773130.00	3.43529
443680.00	3773130.00	2.81478	443780.00	3773130.00	2.33268
443880.00	3773130.00	1.94767	443980.00	3773130.00	1.64639
444080.00	3773130.00	1.40705	442380.00	3773230.00	0.66777
442480.00	3773230.00	0.80145	442580.00	3773230.00	0.94060

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 , L0000351 , L0000352 ,
L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 , L0000359 , L0000360 ,
L0000361 , L0000362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.15155	442780.00	3773230.00	1.38025
442880.00	3773230.00	1.69439	442980.00	3773230.00	2.15918
443080.00	3773230.00	2.56042	443180.00	3773230.00	3.04005
443280.00	3773230.00	3.24434	443380.00	3773230.00	3.29018
443480.00	3773230.00	2.87195	443580.00	3773230.00	2.52167
443680.00	3773230.00	2.24930	443780.00	3773230.00	1.96785
443880.00	3773230.00	1.69741	443980.00	3773230.00	1.47195
444080.00	3773230.00	1.28150			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.46918	442330.00	3771880.00	0.50422
442430.00	3771880.00	0.54205	442530.00	3771880.00	0.58238
442630.00	3771880.00	0.62523	442730.00	3771880.00	0.67000
442830.00	3771880.00	0.71520	442930.00	3771880.00	0.75992
443030.00	3771880.00	0.80302	443130.00	3771880.00	0.84175
443230.00	3771880.00	0.87406	443330.00	3771880.00	0.89823
443430.00	3771880.00	0.91250	443530.00	3771880.00	0.91579
443630.00	3771880.00	0.90792	443730.00	3771880.00	0.88867
443830.00	3771880.00	0.86164	443930.00	3771880.00	0.82686
444030.00	3771880.00	0.78582	444130.00	3771880.00	0.74322
444230.00	3771880.00	0.69881	444330.00	3771880.00	0.65352
442230.00	3771980.00	0.50034	442330.00	3771980.00	0.54115
442430.00	3771980.00	0.58582	442530.00	3771980.00	0.63439
442630.00	3771980.00	0.68657	442730.00	3771980.00	0.74245
442830.00	3771980.00	0.79967	442930.00	3771980.00	0.85815
443030.00	3771980.00	0.91442	443130.00	3771980.00	0.96612
443230.00	3771980.00	1.00954	443330.00	3771980.00	1.04340
443430.00	3771980.00	1.06393	443530.00	3771980.00	1.06951
443630.00	3771980.00	1.05595	443730.00	3771980.00	1.02979
443830.00	3771980.00	0.99348	443930.00	3771980.00	0.94637
444030.00	3771980.00	0.89184	444130.00	3771980.00	0.83406
444230.00	3771980.00	0.77554	444330.00	3771980.00	0.72262
442230.00	3772080.00	0.53297	442330.00	3772080.00	0.58037
442430.00	3772080.00	0.63316	442530.00	3772080.00	0.69164
442630.00	3772080.00	0.75570	442730.00	3772080.00	0.82512
442830.00	3772080.00	0.89893	442930.00	3772080.00	0.97512
443030.00	3772080.00	1.05117	443130.00	3772080.00	1.12162
443230.00	3772080.00	1.18279	443330.00	3772080.00	1.23007
443430.00	3772080.00	1.25861	443530.00	3772080.00	1.26827
443630.00	3772080.00	1.24870	443730.00	3772080.00	1.21085
443830.00	3772080.00	1.15929	443930.00	3772080.00	1.09297
444030.00	3772080.00	1.01958	444130.00	3772080.00	0.94433
444230.00	3772080.00	0.87106	444330.00	3772080.00	0.80129
442230.00	3772180.00	0.56663	442330.00	3772180.00	0.62144
442430.00	3772180.00	0.68364	442530.00	3772180.00	0.75373
442630.00	3772180.00	0.83247	442730.00	3772180.00	0.91992
442830.00	3772180.00	1.01552	442930.00	3772180.00	1.11642
443030.00	3772180.00	1.21979	443130.00	3772180.00	1.32000
443230.00	3772180.00	1.40956	443330.00	3772180.00	1.48090
443430.00	3772180.00	1.52176	443530.00	3772180.00	1.53072

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	1.50534	443730.00	3772180.00	1.45282
443830.00	3772180.00	1.37241	443930.00	3772180.00	1.27892
444030.00	3772180.00	1.17159	444130.00	3772180.00	1.07529
444230.00	3772180.00	0.97883	444330.00	3772180.00	0.89062
442230.00	3772280.00	0.60062	442330.00	3772280.00	0.66360
442430.00	3772280.00	0.73635	442530.00	3772280.00	0.82035
442630.00	3772280.00	0.91700	442730.00	3772280.00	1.02694
442830.00	3772280.00	1.15114	442930.00	3772280.00	1.28776
443030.00	3772280.00	1.43318	443130.00	3772280.00	1.57834
443230.00	3772280.00	1.71082	443330.00	3772280.00	1.81769
443430.00	3772280.00	1.88227	443530.00	3772280.00	1.89556
443630.00	3772280.00	1.85778	443730.00	3772280.00	1.77063
443830.00	3772280.00	1.65321	443930.00	3772280.00	1.51471
444030.00	3772280.00	1.36981	444130.00	3772280.00	1.23168
444230.00	3772280.00	1.10396	444330.00	3772280.00	0.99194
442230.00	3772380.00	0.63398	442330.00	3772380.00	0.70585
442430.00	3772380.00	0.79030	442530.00	3772380.00	0.88998
442630.00	3772380.00	1.00773	442730.00	3772380.00	1.14620
442830.00	3772380.00	1.30880	442930.00	3772380.00	1.49652
443030.00	3772380.00	1.70482	443130.00	3772380.00	1.92348
443230.00	3772380.00	2.13306	443330.00	3772380.00	2.30218
443430.00	3772380.00	2.40756	443530.00	3772380.00	2.42867
443630.00	3772380.00	2.36271	443730.00	3772380.00	2.21765
443830.00	3772380.00	2.02964	443930.00	3772380.00	1.82090
444030.00	3772380.00	1.61046	444130.00	3772380.00	1.42091
444230.00	3772380.00	1.25062	444330.00	3772380.00	1.10595
442230.00	3772480.00	0.66296	442330.00	3772480.00	0.74649
442430.00	3772480.00	0.84328	442530.00	3772480.00	0.96030
442630.00	3772480.00	1.10242	442730.00	3772480.00	1.27636
442830.00	3772480.00	1.48908	442930.00	3772480.00	1.74849
443030.00	3772480.00	2.05255	443130.00	3772480.00	2.39595
443230.00	3772480.00	2.74211	443330.00	3772480.00	3.03573
443430.00	3772480.00	3.22030	443530.00	3772480.00	3.25190
443630.00	3772480.00	3.12883	443730.00	3772480.00	2.87248
443830.00	3772480.00	2.55719	443930.00	3772480.00	2.21904
444030.00	3772480.00	1.90814	444130.00	3772480.00	1.64393
444230.00	3772480.00	1.41869	444330.00	3772480.00	1.23217
442230.00	3772580.00	0.64082	442330.00	3772580.00	0.73907
442430.00	3772580.00	0.87906	442530.00	3772580.00	1.01575
442630.00	3772580.00	1.19685	442730.00	3772580.00	1.41144

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	1.68752	442930.00	3772580.00	2.04449
443030.00	3772580.00	2.50161	443130.00	3772580.00	3.06127
443230.00	3772580.00	3.67757	443330.00	3772580.00	4.23766
443430.00	3772580.00	4.59419	443530.00	3772580.00	4.65094
443630.00	3772580.00	4.39627	443730.00	3772580.00	3.88938
443830.00	3772580.00	3.29378	443930.00	3772580.00	2.75430
444030.00	3772580.00	2.28448	444130.00	3772580.00	1.90827
444230.00	3772580.00	1.61210	444330.00	3772580.00	1.37422
442230.00	3772680.00	0.63107	442330.00	3772680.00	0.74121
442430.00	3772680.00	0.89058	442530.00	3772680.00	1.06988
442630.00	3772680.00	1.27606	442730.00	3772680.00	1.53852
442830.00	3772680.00	1.88961	443630.00	3772680.00	6.72465
443730.00	3772680.00	5.55563	443830.00	3772680.00	4.43078
443930.00	3772680.00	3.46878	444030.00	3772680.00	2.74472
444130.00	3772680.00	2.21779	444230.00	3772680.00	1.82433
444330.00	3772680.00	1.52453	442230.00	3772780.00	0.60460
442330.00	3772780.00	0.70748	442430.00	3772780.00	0.85083
442530.00	3772780.00	1.03033	442630.00	3772780.00	1.27728
442730.00	3772780.00	1.57131	442830.00	3772780.00	2.03634
443130.00	3772780.00	5.46607	443630.00	3772780.00	12.09552
443730.00	3772780.00	8.80304	443830.00	3772780.00	6.10812
443930.00	3772780.00	4.41310	444030.00	3772780.00	3.30755
444130.00	3772780.00	2.57037	444230.00	3772780.00	2.05631
444330.00	3772780.00	1.68682	442230.00	3772880.00	0.56397
442330.00	3772880.00	0.66563	442430.00	3772880.00	0.77000
442530.00	3772880.00	0.95426	442630.00	3772880.00	1.17145
442730.00	3772880.00	1.49705	442830.00	3772880.00	2.01627
442930.00	3772880.00	2.78732	443030.00	3772880.00	4.25700
443130.00	3772880.00	7.28093	443530.00	3772880.00	41.92118
443630.00	3772880.00	35.15070	443730.00	3772880.00	15.99471
443830.00	3772880.00	8.75954	443930.00	3772880.00	5.63032
444030.00	3772880.00	3.95968	444130.00	3772880.00	2.95343
444230.00	3772880.00	2.29728	444330.00	3772880.00	1.84785
442230.00	3772980.00	0.51640	442330.00	3772980.00	0.59974
442430.00	3772980.00	0.70538	442530.00	3772980.00	0.85613
442630.00	3772980.00	1.07011	442730.00	3772980.00	1.33999
442830.00	3772980.00	1.86202	442930.00	3772980.00	2.60908
443030.00	3772980.00	4.04868	443130.00	3772980.00	7.45675
443230.00	3772980.00	22.27435	443330.00	3772980.00	50.93397
443430.00	3772980.00	57.28811	443530.00	3772980.00	62.46001

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	68.60398	443730.00	3772980.00	26.97612
443830.00	3772980.00	11.67397	443930.00	3772980.00	6.84291
444030.00	3772980.00	4.57970	444130.00	3772980.00	3.31056
444230.00	3772980.00	2.52133	444330.00	3772980.00	1.99668
442230.00	3773080.00	0.47323	442330.00	3773080.00	0.54383
442430.00	3773080.00	0.63317	442530.00	3773080.00	0.77119
442630.00	3773080.00	0.94746	442730.00	3773080.00	1.24995
442830.00	3773080.00	1.64662	442930.00	3773080.00	2.38629
443030.00	3773080.00	3.43963	443130.00	3773080.00	5.39429
443230.00	3773080.00	9.57536	443330.00	3773080.00	14.90375
443430.00	3773080.00	19.83642	443530.00	3773080.00	29.55355
443630.00	3773080.00	57.29581	443730.00	3773080.00	28.68429
443830.00	3773080.00	12.82087	443930.00	3773080.00	7.45997
444030.00	3773080.00	4.94029	444130.00	3773080.00	3.53549
444230.00	3773080.00	2.66994	444330.00	3773080.00	2.09897
442230.00	3773180.00	0.42134	442330.00	3773180.00	0.48103
442430.00	3773180.00	0.56525	442530.00	3773180.00	0.67577
442630.00	3773180.00	0.82995	442730.00	3773180.00	1.07002
442830.00	3773180.00	1.40926	442930.00	3773180.00	1.89039
443030.00	3773180.00	2.72330	443130.00	3773180.00	4.00558
443230.00	3773180.00	6.01081	443330.00	3773180.00	8.96537
443430.00	3773180.00	12.99691	443530.00	3773180.00	22.54456
443630.00	3773180.00	53.43389	443730.00	3773180.00	27.19034
443830.00	3773180.00	12.29857	443930.00	3773180.00	7.31206
444030.00	3773180.00	4.91671	444130.00	3773180.00	3.55134
444230.00	3773180.00	2.70083	444330.00	3773180.00	2.13039
442230.00	3773280.00	0.37924	442330.00	3773280.00	0.43484
442430.00	3773280.00	0.50526	442530.00	3773280.00	0.59261
442630.00	3773280.00	0.73080	442730.00	3773280.00	0.91378
442830.00	3773280.00	1.17915	442930.00	3773280.00	1.60377
443030.00	3773280.00	2.10709	443130.00	3773280.00	3.04838
443230.00	3773280.00	4.35021	443330.00	3773280.00	6.30802
443430.00	3773280.00	9.29851	443530.00	3773280.00	17.37006
443630.00	3773280.00	46.85588	443730.00	3773280.00	22.95879
443830.00	3773280.00	10.51848	443930.00	3773280.00	6.50627
444030.00	3773280.00	4.52311	444130.00	3773280.00	3.35418
444230.00	3773280.00	2.59793	444330.00	3773280.00	2.07674
442230.00	3773380.00	0.33576	442330.00	3773380.00	0.38558
442430.00	3773380.00	0.44583	442530.00	3773380.00	0.52046
442630.00	3773380.00	0.61264	442730.00	3773380.00	0.78775

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.97654	442930.00	3773380.00	1.26701
443030.00	3773380.00	1.71900	443130.00	3773380.00	2.32534
443230.00	3773380.00	3.23633	443330.00	3773380.00	4.54533
443430.00	3773380.00	6.94102	443530.00	3773380.00	10.19569
443630.00	3773380.00	21.00165	443730.00	3773380.00	12.62613
443830.00	3773380.00	7.52581	443930.00	3773380.00	5.22746
444030.00	3773380.00	3.89453	444130.00	3773380.00	2.99848
444230.00	3773380.00	2.38590	444330.00	3773380.00	1.94691
442230.00	3773480.00	0.30673	442330.00	3773480.00	0.34783
442430.00	3773480.00	0.39386	442530.00	3773480.00	0.46377
442630.00	3773480.00	0.54038	442730.00	3773480.00	0.67618
442830.00	3773480.00	0.81477	442930.00	3773480.00	1.03551
443030.00	3773480.00	1.34638	443130.00	3773480.00	1.81557
443230.00	3773480.00	2.36369	443330.00	3773480.00	3.19813
443430.00	3773480.00	3.80731	443530.00	3773480.00	5.11550
443630.00	3773480.00	6.20495	443730.00	3773480.00	5.63973
443830.00	3773480.00	4.76208	443930.00	3773480.00	3.80393
444030.00	3773480.00	3.10856	444130.00	3773480.00	2.56282
444230.00	3773480.00	2.12938	444330.00	3773480.00	1.78854
442230.00	3773580.00	0.27488	442330.00	3773580.00	0.31219
442430.00	3773580.00	0.35427	442530.00	3773580.00	0.40614
442630.00	3773580.00	0.46651	442730.00	3773580.00	0.56170
442830.00	3773580.00	0.68375	442930.00	3773580.00	0.85200
443030.00	3773580.00	1.10257	443130.00	3773580.00	1.39158
443230.00	3773580.00	1.70843	443330.00	3773580.00	2.04430
443430.00	3773580.00	2.52082	443530.00	3773580.00	2.97350
443630.00	3773580.00	3.16787	443730.00	3773580.00	3.05707
443830.00	3773580.00	2.98034	443930.00	3773580.00	2.65127
444030.00	3773580.00	2.35842	444130.00	3773580.00	2.09897
444230.00	3773580.00	1.82185	444330.00	3773580.00	1.58817
442380.00	3772130.00	0.62868	442480.00	3772130.00	0.68927
442580.00	3772130.00	0.75679	442680.00	3772130.00	0.83132
442780.00	3772130.00	0.91257	442880.00	3772130.00	0.99854
442980.00	3772130.00	1.08634	443080.00	3772130.00	1.17316
443180.00	3772130.00	1.25292	443280.00	3772130.00	1.31939
443380.00	3772130.00	1.36566	443480.00	3772130.00	1.38714
443580.00	3772130.00	1.38081	443680.00	3772130.00	1.34939
443780.00	3772130.00	1.29192	443880.00	3772130.00	1.21865
443980.00	3772130.00	1.13580	444080.00	3772130.00	1.04833
442380.00	3772230.00	0.67500	442480.00	3772230.00	0.74692

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.82896	442680.00	3772230.00	0.92157
442780.00	3772230.00	1.02490	442880.00	3772230.00	1.13750
442980.00	3772230.00	1.25744	443080.00	3772230.00	1.37962
443180.00	3772230.00	1.49540	443280.00	3772230.00	1.59559
443380.00	3772230.00	1.66590	443480.00	3772230.00	1.69610
443580.00	3772230.00	1.68690	443680.00	3772230.00	1.63875
443780.00	3772230.00	1.55314	443880.00	3772230.00	1.44592
443980.00	3772230.00	1.32662	444080.00	3772230.00	1.20211
442380.00	3772330.00	0.72259	442480.00	3772330.00	0.80733
442580.00	3772330.00	0.90622	442680.00	3772330.00	1.02103
442780.00	3772330.00	1.15361	442880.00	3772330.00	1.30499
442980.00	3772330.00	1.47258	443080.00	3772330.00	1.64948
443180.00	3772330.00	1.82196	443280.00	3772330.00	1.97604
443380.00	3772330.00	2.08478	443480.00	3772330.00	2.13641
443580.00	3772330.00	2.11962	443680.00	3772330.00	2.03599
443780.00	3772330.00	1.90279	443880.00	3772330.00	1.74021
443980.00	3772330.00	1.57259	444080.00	3772330.00	1.40003
442380.00	3772430.00	0.76977	442480.00	3772430.00	0.86869
442580.00	3772430.00	0.98703	442680.00	3772430.00	1.12873
442780.00	3772430.00	1.29918	442880.00	3772430.00	1.50205
442980.00	3772430.00	1.73848	443080.00	3772430.00	2.00278
443180.00	3772430.00	2.27681	443280.00	3772430.00	2.52668
443380.00	3772430.00	2.71125	443480.00	3772430.00	2.79687
443580.00	3772430.00	2.76409	443680.00	3772430.00	2.61414
443780.00	3772430.00	2.39483	443880.00	3772430.00	2.14083
443980.00	3772430.00	1.87141	444080.00	3772430.00	1.63415
442380.00	3772530.00	0.80539	442480.00	3772530.00	0.92495
442580.00	3772530.00	1.06833	442680.00	3772530.00	1.24168
442780.00	3772530.00	1.45839	442880.00	3772530.00	1.73063
442980.00	3772530.00	2.06828	443080.00	3772530.00	2.47435
443180.00	3772530.00	2.92721	443280.00	3772530.00	3.36913
443380.00	3772530.00	3.70996	443480.00	3772530.00	3.86174
443580.00	3772530.00	3.78786	443680.00	3772530.00	3.51249
443780.00	3772530.00	3.11362	443880.00	3772530.00	2.67698
443980.00	3772530.00	2.26966	444080.00	3772530.00	1.92044
442380.00	3772630.00	0.79846	442480.00	3772630.00	0.95154
442580.00	3772630.00	1.13470	442680.00	3772630.00	1.34926
442780.00	3772630.00	1.62204	443680.00	3772630.00	5.01304
443780.00	3772630.00	4.18728	443880.00	3772630.00	3.43817
443980.00	3772630.00	2.78491	444080.00	3772630.00	2.26513

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.78155	442480.00	3772730.00	0.94726
442580.00	3772730.00	1.12562	442680.00	3772730.00	1.37524
442780.00	3772730.00	1.75652	443680.00	3772730.00	7.81791
443780.00	3772730.00	5.99934	443880.00	3772730.00	4.48328
443980.00	3772730.00	3.42851	444080.00	3772730.00	2.67688
442380.00	3772830.00	0.74296	442480.00	3772830.00	0.89886
442580.00	3772830.00	1.07453	442680.00	3772830.00	1.33928
442780.00	3772830.00	1.74711	443080.00	3772830.00	4.97801
443180.00	3772830.00	8.48515	443580.00	3772830.00	20.31776
443680.00	3772830.00	14.97070	443780.00	3772830.00	9.13488
443880.00	3772830.00	5.99844	443980.00	3772830.00	4.22646
444080.00	3772830.00	3.14605	442380.00	3772930.00	0.68329
442480.00	3772930.00	0.80377	442580.00	3772930.00	1.02251
442680.00	3772930.00	1.25127	442780.00	3772930.00	1.68437
442880.00	3772930.00	2.26412	442980.00	3772930.00	3.31609
443080.00	3772930.00	5.48520	443180.00	3772930.00	12.56406
443280.00	3772930.00	35.80381	443380.00	3772930.00	59.05742
443480.00	3772930.00	63.06458	443580.00	3772930.00	63.99885
443680.00	3772930.00	42.81430	443780.00	3772930.00	14.27540
443880.00	3772930.00	7.88232	443980.00	3772930.00	5.12655
444080.00	3772930.00	3.64186	442380.00	3773030.00	0.61523
442480.00	3773030.00	0.74619	442580.00	3773030.00	0.91849
442680.00	3773030.00	1.14861	442780.00	3773030.00	1.43282
442880.00	3773030.00	2.09168	442980.00	3773030.00	3.00636
443080.00	3773030.00	4.80978	443180.00	3773030.00	9.28764
443280.00	3773030.00	18.61269	443380.00	3773030.00	26.13716
443480.00	3773030.00	31.88692	443580.00	3773030.00	52.82641
443680.00	3773030.00	58.09180	443780.00	3773030.00	17.93241
443880.00	3773030.00	9.31641	443980.00	3773030.00	5.83398
444080.00	3773030.00	4.03361	442380.00	3773130.00	0.55178
442480.00	3773130.00	0.66556	442580.00	3773130.00	0.81262
442680.00	3773130.00	1.01435	442780.00	3773130.00	1.34443
442880.00	3773130.00	1.77668	442980.00	3773130.00	2.54965
443080.00	3773130.00	3.75347	443180.00	3773130.00	5.94338
443280.00	3773130.00	9.15490	443380.00	3773130.00	13.20810
443480.00	3773130.00	19.05600	443580.00	3773130.00	44.02701
443680.00	3773130.00	56.24610	443780.00	3773130.00	18.00269
443880.00	3773130.00	9.52048	443980.00	3773130.00	6.02224
444080.00	3773130.00	4.18255	442380.00	3773230.00	0.49617
442480.00	3773230.00	0.59564	442580.00	3773230.00	0.70384

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0000363 , L0000364 , L0000365 , L0000366 ,
L0000367 ,
L0000368 , L0000369 , L0000370 , L0000371 , L0000372 , L0000373 , L0000374 ,
L0000375 ,
L0000376 , L0000377 , L0000378 , L0000379 , L0000380 , L0000381 , L0000382 ,
L0000383 ,
L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 ,
L0000390 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.88021	442780.00	3773230.00	1.09783
442880.00	3773230.00	1.44327	442980.00	3773230.00	2.04841
443080.00	3773230.00	2.87022	443180.00	3773230.00	4.25550
443280.00	3773230.00	6.10722	443380.00	3773230.00	9.01869
443480.00	3773230.00	13.88455	443580.00	3773230.00	37.13056
443680.00	3773230.00	54.65851	443780.00	3773230.00	16.22697
443880.00	3773230.00	8.79438	443980.00	3773230.00	5.69900
444080.00	3773230.00	4.03848			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.57835	442330.00	3771880.00	0.65053
442430.00	3771880.00	0.73220	442530.00	3771880.00	0.83431
442630.00	3771880.00	0.94661	442730.00	3771880.00	1.08274
442830.00	3771880.00	1.24932	442930.00	3771880.00	1.45486
443030.00	3771880.00	1.71070	443130.00	3771880.00	2.02977
443230.00	3771880.00	2.42509	443330.00	3771880.00	2.90177
443430.00	3771880.00	3.42852	443530.00	3771880.00	3.88037
443630.00	3771880.00	4.02839	443730.00	3771880.00	3.76065
443830.00	3771880.00	3.27161	443930.00	3771880.00	2.75665
444030.00	3771880.00	2.30354	444130.00	3771880.00	1.93745
444230.00	3771880.00	1.64133	444330.00	3771880.00	1.40119
442230.00	3771980.00	0.58329	442330.00	3771980.00	0.65979
442430.00	3771980.00	0.74987	442530.00	3771980.00	0.86029
442630.00	3771980.00	0.99621	442730.00	3771980.00	1.15056
442830.00	3771980.00	1.36543	442930.00	3771980.00	1.61912
443030.00	3771980.00	1.94926	443130.00	3771980.00	2.38723
443230.00	3771980.00	2.97904	443330.00	3771980.00	3.79456
443430.00	3771980.00	4.90135	443530.00	3771980.00	6.17918
443630.00	3771980.00	6.68585	443730.00	3771980.00	5.79252
443830.00	3771980.00	4.56351	443930.00	3771980.00	3.56269
444030.00	3771980.00	2.82186	444130.00	3771980.00	2.27791
444230.00	3771980.00	1.87164	444330.00	3771980.00	1.57230
442230.00	3772080.00	0.57699	442330.00	3772080.00	0.65577
442430.00	3772080.00	0.74865	442530.00	3772080.00	0.86195
442630.00	3772080.00	1.01116	442730.00	3772080.00	1.19878
442830.00	3772080.00	1.43973	442930.00	3772080.00	1.76319
443030.00	3772080.00	2.19029	443130.00	3772080.00	2.76840
443230.00	3772080.00	3.61836	443330.00	3772080.00	4.95620
443430.00	3772080.00	7.29522	443530.00	3772080.00	12.07253
443630.00	3772080.00	16.67589	443730.00	3772080.00	10.32534
443830.00	3772080.00	6.62858	443930.00	3772080.00	4.64788
444030.00	3772080.00	3.45696	444130.00	3772080.00	2.67947
444230.00	3772080.00	2.14311	444330.00	3772080.00	1.75602
442230.00	3772180.00	0.55540	442330.00	3772180.00	0.63778
442430.00	3772180.00	0.72511	442530.00	3772180.00	0.84966
442630.00	3772180.00	1.00574	442730.00	3772180.00	1.20906
442830.00	3772180.00	1.47319	442930.00	3772180.00	1.86158
443030.00	3772180.00	2.38898	443130.00	3772180.00	3.12937
443230.00	3772180.00	4.25625	443330.00	3772180.00	6.21285
443430.00	3772180.00	10.34307	443530.00	3772180.00	24.69310

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	78.45925	443730.00	3772180.00	19.52430
443830.00	3772180.00	9.54290	443930.00	3772180.00	5.99259
444030.00	3772180.00	4.16451	444130.00	3772180.00	3.11439
444230.00	3772180.00	2.42056	444330.00	3772180.00	1.94427
442230.00	3772280.00	0.52576	442330.00	3772280.00	0.61854
442430.00	3772280.00	0.70908	442530.00	3772280.00	0.81615
442630.00	3772280.00	0.96232	442730.00	3772280.00	1.20226
442830.00	3772280.00	1.50654	442930.00	3772280.00	1.91934
443030.00	3772280.00	2.49387	443130.00	3772280.00	3.36729
443230.00	3772280.00	4.77065	443330.00	3772280.00	7.23030
443430.00	3772280.00	12.65082	443530.00	3772280.00	31.10472
443630.00	3772280.00	65.34714	443730.00	3772280.00	26.21872
443830.00	3772280.00	12.18368	443930.00	3772280.00	7.25419
444030.00	3772280.00	4.87076	444130.00	3772280.00	3.52351
444230.00	3772280.00	2.68036	444330.00	3772280.00	2.12005
442230.00	3772380.00	0.48825	442330.00	3772380.00	0.57621
442430.00	3772380.00	0.64081	442530.00	3772380.00	0.74298
442630.00	3772380.00	0.92643	442730.00	3772380.00	1.18998
442830.00	3772380.00	1.48697	442930.00	3772380.00	1.88322
443030.00	3772380.00	2.49167	443130.00	3772380.00	3.41583
443230.00	3772380.00	4.91013	443330.00	3772380.00	7.72594
443430.00	3772380.00	13.68879	443530.00	3772380.00	32.57073
443630.00	3772380.00	67.64842	443730.00	3772380.00	28.85995
443830.00	3772380.00	13.59217	443930.00	3772380.00	8.05485
444030.00	3772380.00	5.34617	444130.00	3772380.00	3.82617
444230.00	3772380.00	2.88075	444330.00	3772380.00	2.25774
442230.00	3772480.00	0.44881	442330.00	3772480.00	0.51483
442430.00	3772480.00	0.59228	442530.00	3772480.00	0.71819
442630.00	3772480.00	0.91955	442730.00	3772480.00	1.11762
442830.00	3772480.00	1.41466	442930.00	3772480.00	1.75794
443030.00	3772480.00	2.41430	443130.00	3772480.00	3.28229
443230.00	3772480.00	4.79496	443330.00	3772480.00	7.59173
443430.00	3772480.00	13.56208	443530.00	3772480.00	32.21490
443630.00	3772480.00	68.59862	443730.00	3772480.00	29.47901
443830.00	3772480.00	13.92650	443930.00	3772480.00	8.27286
444030.00	3772480.00	5.51172	444130.00	3772480.00	3.95316
444230.00	3772480.00	2.97947	444330.00	3772480.00	2.33252
442230.00	3772580.00	0.39309	442330.00	3772580.00	0.45424
442430.00	3772580.00	0.54690	442530.00	3772580.00	0.63814
442630.00	3772580.00	0.78428	442730.00	3772580.00	0.96618

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	1.20569	442930.00	3772580.00	1.62435
443030.00	3772580.00	2.18418	443130.00	3772580.00	3.00819
443230.00	3772580.00	4.36167	443330.00	3772580.00	6.84330
443430.00	3772580.00	12.31991	443530.00	3772580.00	29.85098
443630.00	3772580.00	69.47266	443730.00	3772580.00	28.40039
443830.00	3772580.00	13.23997	443930.00	3772580.00	7.95650
444030.00	3772580.00	5.36949	444130.00	3772580.00	3.89136
444230.00	3772580.00	2.96071	444330.00	3772580.00	2.33259
442230.00	3772680.00	0.36677	442330.00	3772680.00	0.42729
442430.00	3772680.00	0.51030	442530.00	3772680.00	0.61336
442630.00	3772680.00	0.73561	442730.00	3772680.00	0.88352
442830.00	3772680.00	1.09322	443630.00	3772680.00	65.89124
443730.00	3772680.00	24.11359	443830.00	3772680.00	11.36509
443930.00	3772680.00	7.07525	444030.00	3772680.00	4.92434
444130.00	3772680.00	3.64751	444230.00	3772680.00	2.82090
444330.00	3772680.00	2.25119	442230.00	3772780.00	0.33651
442330.00	3772780.00	0.38515	442430.00	3772780.00	0.45378
442530.00	3772780.00	0.53630	442630.00	3772780.00	0.64725
442730.00	3772780.00	0.76494	442830.00	3772780.00	0.95110
443130.00	3772780.00	2.08720	443630.00	3772780.00	24.77934
443730.00	3772780.00	13.88527	443830.00	3772780.00	8.39923
443930.00	3772780.00	5.71690	444030.00	3772780.00	4.21433
444130.00	3772780.00	3.24636	444230.00	3772780.00	2.58067
444330.00	3772780.00	2.10771	442230.00	3772880.00	0.30927
442330.00	3772880.00	0.35150	442430.00	3772880.00	0.39459
442530.00	3772880.00	0.46461	442630.00	3772880.00	0.54228
442730.00	3772880.00	0.65241	442830.00	3772880.00	0.80969
442930.00	3772880.00	0.99838	443030.00	3772880.00	1.34518
443130.00	3772880.00	1.73129	443530.00	3772880.00	6.52262
443630.00	3772880.00	7.56128	443730.00	3772880.00	6.68540
443830.00	3772880.00	5.28833	443930.00	3772880.00	4.18576
444030.00	3772880.00	3.36257	444130.00	3772880.00	2.74260
444230.00	3772880.00	2.26888	444330.00	3772880.00	1.89908
442230.00	3772980.00	0.28267	442330.00	3772980.00	0.31656
442430.00	3772980.00	0.35670	442530.00	3772980.00	0.40888
442630.00	3772980.00	0.47444	442730.00	3772980.00	0.54770
442830.00	3772980.00	0.67603	442930.00	3772980.00	0.82423
443030.00	3772980.00	1.03345	443130.00	3772980.00	1.32272
443230.00	3772980.00	1.71208	443330.00	3772980.00	2.25477
443430.00	3772980.00	2.95556	443530.00	3772980.00	3.53735

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	3.93606	443730.00	3772980.00	3.61083
443830.00	3772980.00	3.31944	443930.00	3772980.00	2.97318
444030.00	3772980.00	2.57281	444130.00	3772980.00	2.22554
444230.00	3772980.00	1.92324	444330.00	3772980.00	1.66207
442230.00	3773080.00	0.25894	442330.00	3773080.00	0.28653
442430.00	3773080.00	0.31877	442530.00	3773080.00	0.36349
442630.00	3773080.00	0.41440	442730.00	3773080.00	0.49033
442830.00	3773080.00	0.57130	442930.00	3773080.00	0.70195
443030.00	3773080.00	0.83405	443130.00	3773080.00	1.00624
443230.00	3773080.00	1.27653	443330.00	3773080.00	1.62690
443430.00	3773080.00	2.01667	443530.00	3773080.00	2.25315
443630.00	3773080.00	2.33869	443730.00	3773080.00	2.30734
443830.00	3773080.00	2.36326	443930.00	3773080.00	2.22821
444030.00	3773080.00	1.96962	444130.00	3773080.00	1.77235
444230.00	3773080.00	1.59930	444330.00	3773080.00	1.42636
442230.00	3773180.00	0.23347	442330.00	3773180.00	0.25606
442430.00	3773180.00	0.28504	442530.00	3773180.00	0.31926
442630.00	3773180.00	0.36134	442730.00	3773180.00	0.41831
442830.00	3773180.00	0.48574	442930.00	3773180.00	0.56239
443030.00	3773180.00	0.66862	443130.00	3773180.00	0.79925
443230.00	3773180.00	0.97829	443330.00	3773180.00	1.20512
443430.00	3773180.00	1.40925	443530.00	3773180.00	1.41969
443630.00	3773180.00	1.54270	443730.00	3773180.00	1.56188
443830.00	3773180.00	1.52892	443930.00	3773180.00	1.49862
444030.00	3773180.00	1.40600	444130.00	3773180.00	1.40065
444230.00	3773180.00	1.28619	444330.00	3773180.00	1.18466
442230.00	3773280.00	0.21147	442330.00	3773280.00	0.23169
442430.00	3773280.00	0.25503	442530.00	3773280.00	0.28099
442630.00	3773280.00	0.31784	442730.00	3773280.00	0.35970
442830.00	3773280.00	0.41126	442930.00	3773280.00	0.48156
443030.00	3773280.00	0.54502	443130.00	3773280.00	0.64775
443230.00	3773280.00	0.76414	443330.00	3773280.00	0.91354
443430.00	3773280.00	1.01969	443530.00	3773280.00	1.04512
443630.00	3773280.00	1.08351	443730.00	3773280.00	1.08265
443830.00	3773280.00	1.18961	443930.00	3773280.00	1.13236
444030.00	3773280.00	1.09683	444130.00	3773280.00	1.10709
444230.00	3773280.00	1.04279	444330.00	3773280.00	0.97999
442230.00	3773380.00	0.18846	442330.00	3773380.00	0.20627
442430.00	3773380.00	0.22580	442530.00	3773380.00	0.24751
442630.00	3773380.00	0.27118	442730.00	3773380.00	0.31320

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.34980	442930.00	3773380.00	0.39845
443030.00	3773380.00	0.46282	443130.00	3773380.00	0.53170
443230.00	3773380.00	0.61208	443330.00	3773380.00	0.70735
443430.00	3773380.00	0.89485	443530.00	3773380.00	0.78883
443630.00	3773380.00	0.80919	443730.00	3773380.00	0.83371
443830.00	3773380.00	0.85235	443930.00	3773380.00	0.86392
444030.00	3773380.00	0.83209	444130.00	3773380.00	0.85177
444230.00	3773380.00	0.82998	444330.00	3773380.00	0.79893
442230.00	3773480.00	0.17119	442330.00	3773480.00	0.18538
442430.00	3773480.00	0.19960	442530.00	3773480.00	0.22047
442630.00	3773480.00	0.24011	442730.00	3773480.00	0.27344
442830.00	3773480.00	0.30082	442930.00	3773480.00	0.34015
443030.00	3773480.00	0.38635	443130.00	3773480.00	0.44559
443230.00	3773480.00	0.49747	443330.00	3773480.00	0.55653
443430.00	3773480.00	0.56222	443530.00	3773480.00	0.59548
443630.00	3773480.00	0.62387	443730.00	3773480.00	0.62252
443830.00	3773480.00	0.65943	443930.00	3773480.00	0.65527
444030.00	3773480.00	0.66390	444130.00	3773480.00	0.67003
444230.00	3773480.00	0.65714	444330.00	3773480.00	0.63892
442230.00	3773580.00	0.15279	442330.00	3773580.00	0.16582
442430.00	3773580.00	0.17907	442530.00	3773580.00	0.19417
442630.00	3773580.00	0.20983	442730.00	3773580.00	0.23396
442830.00	3773580.00	0.26093	442930.00	3773580.00	0.29330
443030.00	3773580.00	0.33465	443130.00	3773580.00	0.37254
443230.00	3773580.00	0.40518	443330.00	3773580.00	0.43003
443430.00	3773580.00	0.46186	443530.00	3773580.00	0.48457
443630.00	3773580.00	0.49163	443730.00	3773580.00	0.49247
443830.00	3773580.00	0.51518	443930.00	3773580.00	0.51632
444030.00	3773580.00	0.52397	444130.00	3773580.00	0.55286
444230.00	3773580.00	0.55437	444330.00	3773580.00	0.53016
442380.00	3772130.00	0.67916	442480.00	3772130.00	0.78942
442580.00	3772130.00	0.92618	442680.00	3772130.00	1.09925
442780.00	3772130.00	1.31577	442880.00	3772130.00	1.62120
442980.00	3772130.00	2.04366	443080.00	3772130.00	2.59851
443180.00	3772130.00	3.39390	443280.00	3772130.00	4.65392
443380.00	3772130.00	6.89689	443480.00	3772130.00	11.95647
443580.00	3772130.00	35.49303	443680.00	3772130.00	23.26421
443780.00	3772130.00	10.40801	443880.00	3772130.00	6.41234
443980.00	3772130.00	4.45235	444080.00	3772130.00	3.29863
442380.00	3772230.00	0.66772	442480.00	3772230.00	0.76904

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.89230	442680.00	3772230.00	1.08168
442780.00	3772230.00	1.34749	442880.00	3772230.00	1.71295
442980.00	3772230.00	2.18764	443080.00	3772230.00	2.84274
443180.00	3772230.00	3.83142	443280.00	3772230.00	5.47412
443380.00	3772230.00	8.66510	443480.00	3772230.00	17.01576
443580.00	3772230.00	72.21224	443680.00	3772230.00	44.60660
443780.00	3772230.00	15.29030	443880.00	3772230.00	8.37828
443980.00	3772230.00	5.43346	444080.00	3772230.00	3.84109
442380.00	3772330.00	0.62701	442480.00	3772330.00	0.73077
442580.00	3772330.00	0.86527	442680.00	3772330.00	1.07683
442780.00	3772330.00	1.34925	442880.00	3772330.00	1.69107
442980.00	3772330.00	2.18150	443080.00	3772330.00	2.91281
443180.00	3772330.00	4.08568	443280.00	3772330.00	5.99639
443380.00	3772330.00	9.80606	443480.00	3772330.00	19.41186
443580.00	3772330.00	73.27305	443680.00	3772330.00	51.27332
443780.00	3772330.00	18.22082	443880.00	3772330.00	9.83104
443980.00	3772330.00	6.24078	444080.00	3772330.00	4.32325
442380.00	3772430.00	0.57142	442480.00	3772430.00	0.67384
442580.00	3772430.00	0.83155	442680.00	3772430.00	1.05842
442780.00	3772430.00	1.29414	442880.00	3772430.00	1.63223
442980.00	3772430.00	2.13281	443080.00	3772430.00	2.86306
443180.00	3772430.00	4.03226	443280.00	3772430.00	6.07794
443380.00	3772430.00	10.08980	443480.00	3772430.00	19.91330
443580.00	3772430.00	71.83930	443680.00	3772430.00	53.59454
443780.00	3772430.00	19.32806	443880.00	3772430.00	10.50418
443980.00	3772430.00	6.62659	444080.00	3772430.00	4.58886
442380.00	3772530.00	0.52436	442480.00	3772530.00	0.61683
442580.00	3772530.00	0.76093	442680.00	3772530.00	0.94252
442780.00	3772530.00	1.19159	442880.00	3772530.00	1.49304
442980.00	3772530.00	1.98541	443080.00	3772530.00	2.68690
443180.00	3772530.00	3.83470	443280.00	3772530.00	5.74174
443380.00	3772530.00	9.49994	443480.00	3772530.00	19.01406
443580.00	3772530.00	69.49897	443680.00	3772530.00	53.90667
443780.00	3772530.00	19.11723	443880.00	3772530.00	10.39396
443980.00	3772530.00	6.62361	444080.00	3772530.00	4.61592
442380.00	3772630.00	0.47310	442480.00	3772630.00	0.56777
442580.00	3772630.00	0.68578	442680.00	3772630.00	0.82541
442780.00	3772630.00	1.00377	443680.00	3772630.00	52.09352
443780.00	3772630.00	17.39906	443880.00	3772630.00	9.51027
443980.00	3772630.00	6.19774	444080.00	3772630.00	4.40209

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.43313	442480.00	3772730.00	0.51725
442580.00	3772730.00	0.60259	442680.00	3772730.00	0.71987
442780.00	3772730.00	0.91445	443680.00	3772730.00	34.85767
443780.00	3772730.00	13.30610	443880.00	3772730.00	7.89983
443980.00	3772730.00	5.37292	444080.00	3772730.00	3.96669
442380.00	3772830.00	0.39153	442480.00	3772830.00	0.45723
442580.00	3772830.00	0.52802	442680.00	3772830.00	0.63020
442780.00	3772830.00	0.77702	443080.00	3772830.00	1.71524
443180.00	3772830.00	2.14531	443580.00	3772830.00	11.30453
443680.00	3772830.00	10.92752	443780.00	3772830.00	7.97949
443880.00	3772830.00	5.69598	443980.00	3772830.00	4.31099
444080.00	3772830.00	3.36791	442380.00	3772930.00	0.35441
442480.00	3772930.00	0.39981	442580.00	3772930.00	0.47391
442680.00	3772930.00	0.54537	442780.00	3772930.00	0.67221
442880.00	3772930.00	0.81419	442980.00	3772930.00	1.00741
443080.00	3772930.00	1.29014	443180.00	3772930.00	1.72532
443280.00	3772930.00	2.28055	443380.00	3772930.00	3.13293
443480.00	3772930.00	4.15028	443580.00	3772930.00	5.04165
443680.00	3772930.00	5.24145	443780.00	3772930.00	4.59965
443880.00	3772930.00	3.86650	443980.00	3772930.00	3.24271
444080.00	3772930.00	2.71320	442380.00	3773030.00	0.31780
442480.00	3773030.00	0.36344	442580.00	3773030.00	0.41778
442680.00	3773030.00	0.48129	442780.00	3773030.00	0.54849
442880.00	3773030.00	0.68527	442980.00	3773030.00	0.83078
443080.00	3773030.00	1.02831	443180.00	3773030.00	1.31476
443280.00	3773030.00	1.67459	443380.00	3773030.00	2.13750
443480.00	3773030.00	2.73682	443580.00	3773030.00	2.85763
443680.00	3773030.00	3.03841	443780.00	3773030.00	2.89584
443880.00	3773030.00	2.72165	443980.00	3773030.00	2.38448
444080.00	3773030.00	2.13730	442380.00	3773130.00	0.28543
442480.00	3773130.00	0.32301	442580.00	3773130.00	0.36666
442680.00	3773130.00	0.41914	442780.00	3773130.00	0.49290
442880.00	3773130.00	0.56959	442980.00	3773130.00	0.68223
443080.00	3773130.00	0.81433	443180.00	3773130.00	1.01179
443280.00	3773130.00	1.23915	443380.00	3773130.00	1.54781
443480.00	3773130.00	2.11754	443580.00	3773130.00	1.89676
443680.00	3773130.00	1.89666	443780.00	3773130.00	1.83614
443880.00	3773130.00	2.05627	443980.00	3773130.00	1.84601
444080.00	3773130.00	1.65129	442380.00	3773230.00	0.25704
442480.00	3773230.00	0.28879	442580.00	3773230.00	0.31938

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0000396 , L0000397 , L0000398 , L0000399 , L0000400 ,
L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 ,
L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 ,
L0000417 , L0000418 , L0000419 , L0000420 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.36339	442780.00	3773230.00	0.40904
442880.00	3773230.00	0.47093	442980.00	3773230.00	0.56211
443080.00	3773230.00	0.65387	443180.00	3773230.00	0.79382
443280.00	3773230.00	0.94305	443380.00	3773230.00	1.13912
443480.00	3773230.00	1.18220	443580.00	3773230.00	1.22129
443680.00	3773230.00	1.29634	443780.00	3773230.00	1.36796
443880.00	3773230.00	1.32590	443980.00	3773230.00	1.27665
444080.00	3773230.00	1.27041			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.43710	442330.00	3771880.00	0.46986
442430.00	3771880.00	0.50568	442530.00	3771880.00	0.54453
442630.00	3771880.00	0.58673	442730.00	3771880.00	0.63214
442830.00	3771880.00	0.67990	442930.00	3771880.00	0.72965
443030.00	3771880.00	0.78067	443130.00	3771880.00	0.83067
443230.00	3771880.00	0.87746	443330.00	3771880.00	0.91858
443430.00	3771880.00	0.95103	443530.00	3771880.00	0.97190
443630.00	3771880.00	0.97917	443730.00	3771880.00	0.97097
443830.00	3771880.00	0.95041	443930.00	3771880.00	0.91749
444030.00	3771880.00	0.87444	444130.00	3771880.00	0.82745
444230.00	3771880.00	0.77702	444330.00	3771880.00	0.72485
442230.00	3771980.00	0.46246	442330.00	3771980.00	0.49986
442430.00	3771980.00	0.54121	442530.00	3771980.00	0.58687
442630.00	3771980.00	0.63698	442730.00	3771980.00	0.69215
442830.00	3771980.00	0.75114	442930.00	3771980.00	0.81456
443030.00	3771980.00	0.88024	443130.00	3771980.00	0.94652
443230.00	3771980.00	1.00993	443330.00	3771980.00	1.06814
443430.00	3771980.00	1.11548	443530.00	3771980.00	1.14723
443630.00	3771980.00	1.15540	443730.00	3771980.00	1.14417
443830.00	3771980.00	1.11525	443930.00	3771980.00	1.06816
444030.00	3771980.00	1.00808	444130.00	3771980.00	0.94147
444230.00	3771980.00	0.87259	444330.00	3771980.00	0.80975
442230.00	3772080.00	0.48845	442330.00	3772080.00	0.53093
442430.00	3772080.00	0.57858	442530.00	3772080.00	0.63199
442630.00	3772080.00	0.69163	442730.00	3772080.00	0.75808
442830.00	3772080.00	0.83157	442930.00	3772080.00	0.91181
443030.00	3772080.00	0.99815	443130.00	3772080.00	1.08729
443230.00	3772080.00	1.17631	443330.00	3772080.00	1.25981
443430.00	3772080.00	1.32966	443530.00	3772080.00	1.38011
443630.00	3772080.00	1.39340	443730.00	3772080.00	1.37592
443830.00	3772080.00	1.33149	443930.00	3772080.00	1.26024
444030.00	3772080.00	1.17441	444130.00	3772080.00	1.08323
444230.00	3772080.00	0.99339	444330.00	3772080.00	0.90788
442230.00	3772180.00	0.51458	442330.00	3772180.00	0.56255
442430.00	3772180.00	0.61713	442530.00	3772180.00	0.67917
442630.00	3772180.00	0.74985	442730.00	3772180.00	0.83022
442830.00	3772180.00	0.92137	442930.00	3772180.00	1.02334
443030.00	3772180.00	1.13653	443130.00	3772180.00	1.25942
443230.00	3772180.00	1.38791	443330.00	3772180.00	1.51482
443430.00	3772180.00	1.62312	443530.00	3772180.00	1.69949

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	1.72702	443730.00	3772180.00	1.70331
443830.00	3772180.00	1.62497	443930.00	3772180.00	1.51513
444030.00	3772180.00	1.37996	444130.00	3772180.00	1.25621
444230.00	3772180.00	1.13264	444330.00	3772180.00	1.02084
442230.00	3772280.00	0.54030	442330.00	3772280.00	0.59404
442430.00	3772280.00	0.65596	442530.00	3772280.00	0.72760
442630.00	3772280.00	0.81074	442730.00	3772280.00	0.90724
442830.00	3772280.00	1.01946	442930.00	3772280.00	1.14954
443030.00	3772280.00	1.29973	443130.00	3772280.00	1.46975
443230.00	3772280.00	1.65640	443330.00	3772280.00	1.85152
443430.00	3772280.00	2.03260	443530.00	3772280.00	2.16701
443630.00	3772280.00	2.22108	443730.00	3772280.00	2.17103
443830.00	3772280.00	2.04015	443930.00	3772280.00	1.85690
444030.00	3772280.00	1.65745	444130.00	3772280.00	1.46829
444230.00	3772280.00	1.29712	444330.00	3772280.00	1.15041
442230.00	3772380.00	0.55729	442330.00	3772380.00	0.62473
442430.00	3772380.00	0.68987	442530.00	3772380.00	0.77346
442630.00	3772380.00	0.87273	442730.00	3772380.00	0.98755
442830.00	3772380.00	1.12485	442930.00	3772380.00	1.28986
443030.00	3772380.00	1.48780	443130.00	3772380.00	1.72458
443230.00	3772380.00	2.00370	443330.00	3772380.00	2.31664
443430.00	3772380.00	2.63944	443530.00	3772380.00	2.90493
443630.00	3772380.00	3.01655	443730.00	3772380.00	2.91053
443830.00	3772380.00	2.65182	443930.00	3772380.00	2.32948
444030.00	3772380.00	2.00842	444130.00	3772380.00	1.73063
444230.00	3772380.00	1.49236	444330.00	3772380.00	1.29744
442230.00	3772480.00	0.55688	442330.00	3772480.00	0.62191
442430.00	3772480.00	0.69902	442530.00	3772480.00	0.80334
442630.00	3772480.00	0.93405	442730.00	3772480.00	1.06874
442830.00	3772480.00	1.23415	442930.00	3772480.00	1.43981
443030.00	3772480.00	1.69726	443130.00	3772480.00	2.02448
443230.00	3772480.00	2.44009	443330.00	3772480.00	2.96187
443430.00	3772480.00	3.58466	443530.00	3772480.00	4.19425
443630.00	3772480.00	4.48697	443730.00	3772480.00	4.20863
443830.00	3772480.00	3.61624	443930.00	3772480.00	2.98573
444030.00	3772480.00	2.45726	444130.00	3772480.00	2.04533
444230.00	3772480.00	1.71828	444330.00	3772480.00	1.46127
442230.00	3772580.00	0.53691	442330.00	3772580.00	0.61009
442430.00	3772580.00	0.70873	442530.00	3772580.00	0.80903
442630.00	3772580.00	0.94616	442730.00	3772580.00	1.10970

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	1.32624	442930.00	3772580.00	1.59213
443030.00	3772580.00	1.91944	443130.00	3772580.00	2.35866
443230.00	3772580.00	2.96530	443330.00	3772580.00	3.83270
443430.00	3772580.00	5.10703	443530.00	3772580.00	6.87516
443630.00	3772580.00	8.08156	443730.00	3772580.00	6.90093
443830.00	3772580.00	5.16126	443930.00	3772580.00	3.91603
444030.00	3772580.00	3.03664	444130.00	3772580.00	2.42184
444230.00	3772580.00	1.97927	444330.00	3772580.00	1.64583
442230.00	3772680.00	0.52914	442330.00	3772680.00	0.60997
442430.00	3772680.00	0.71655	442530.00	3772680.00	0.83758
442630.00	3772680.00	0.97793	442730.00	3772680.00	1.15005
442830.00	3772680.00	1.37741	443630.00	3772680.00	28.83094
443730.00	3772680.00	13.62396	443830.00	3772680.00	7.79850
443930.00	3772680.00	5.18121	444030.00	3772680.00	3.74319
444130.00	3772680.00	2.85854	444230.00	3772680.00	2.26296
444330.00	3772680.00	1.83932	442230.00	3772780.00	0.50532
442330.00	3772780.00	0.58287	442430.00	3772780.00	0.68795
442530.00	3772780.00	0.81006	442630.00	3772780.00	0.97025
442730.00	3772780.00	1.14894	442830.00	3772780.00	1.40594
443130.00	3772780.00	2.95863	443630.00	3772780.00	59.13444
443730.00	3772780.00	25.87645	443830.00	3772780.00	11.10211
443930.00	3772780.00	6.65062	444030.00	3772780.00	4.52735
444130.00	3772780.00	3.32002	444230.00	3772780.00	2.55473
444330.00	3772780.00	2.03756	442230.00	3772880.00	0.47616
442330.00	3772880.00	0.55039	442430.00	3772880.00	0.62498
442530.00	3772880.00	0.75244	442630.00	3772880.00	0.89690
442730.00	3772880.00	1.10015	442830.00	3772880.00	1.38401
442930.00	3772880.00	1.74686	443030.00	3772880.00	2.32752
443130.00	3772880.00	3.09959	443530.00	3772880.00	24.57498
443630.00	3772880.00	66.91941	443730.00	3772880.00	31.23299
443830.00	3772880.00	13.59264	443930.00	3772880.00	7.88332
444030.00	3772880.00	5.21320	444130.00	3772880.00	3.72971
444230.00	3772880.00	2.81443	444330.00	3772880.00	2.21163
442230.00	3772980.00	0.43892	442330.00	3772980.00	0.50174
442430.00	3772980.00	0.57886	442530.00	3772980.00	0.68484
442630.00	3772980.00	0.82890	442730.00	3772980.00	0.99662
442830.00	3772980.00	1.30210	442930.00	3772980.00	1.67551
443030.00	3772980.00	2.23063	443130.00	3772980.00	3.07544
443230.00	3772980.00	4.42090	443330.00	3772980.00	6.83022
443430.00	3772980.00	11.88775	443530.00	3772980.00	25.74251

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	72.61310	443730.00	3772980.00	32.75763
443830.00	3772980.00	14.62860	443930.00	3772980.00	8.53027
444030.00	3772980.00	5.62633	444130.00	3772980.00	4.00138
444230.00	3772980.00	3.00006	444330.00	3772980.00	2.34191
442230.00	3773080.00	0.40568	442330.00	3773080.00	0.45991
442430.00	3773080.00	0.52672	442530.00	3773080.00	0.62745
442630.00	3773080.00	0.75000	442730.00	3773080.00	0.94988
442830.00	3773080.00	1.19551	442930.00	3773080.00	1.60916
443030.00	3773080.00	2.10666	443130.00	3773080.00	2.88595
443230.00	3773080.00	4.26427	443330.00	3773080.00	6.68023
443430.00	3773080.00	11.65132	443530.00	3773080.00	25.47859
443630.00	3773080.00	67.30290	443730.00	3773080.00	32.40186
443830.00	3773080.00	14.64248	443930.00	3773080.00	8.60747
444030.00	3773080.00	5.72127	444130.00	3773080.00	4.08835
444230.00	3773080.00	3.07350	444330.00	3773080.00	2.40141
442230.00	3773180.00	0.36379	442330.00	3773180.00	0.41044
442430.00	3773180.00	0.47542	442530.00	3773180.00	0.55867
442630.00	3773180.00	0.67190	442730.00	3773180.00	0.84209
442830.00	3773180.00	1.06980	442930.00	3773180.00	1.37427
443030.00	3773180.00	1.88364	443130.00	3773180.00	2.64284
443230.00	3773180.00	3.91806	443330.00	3773180.00	6.19708
443430.00	3773180.00	10.70725	443530.00	3773180.00	23.34532
443630.00	3773180.00	62.00068	443730.00	3773180.00	31.24083
443830.00	3773180.00	13.74858	443930.00	3773180.00	8.18424
444030.00	3773180.00	5.54435	444130.00	3773180.00	3.99011
444230.00	3773180.00	3.03031	444330.00	3773180.00	2.38468
442230.00	3773280.00	0.33002	442330.00	3773280.00	0.37448
442430.00	3773280.00	0.42993	442530.00	3773280.00	0.49742
442630.00	3773280.00	0.60352	442730.00	3773280.00	0.74138
442830.00	3773280.00	0.93839	442930.00	3773280.00	1.24686
443030.00	3773280.00	1.61325	443130.00	3773280.00	2.32623
443230.00	3773280.00	3.40411	443330.00	3773280.00	5.32095
443430.00	3773280.00	8.92004	443530.00	3773280.00	19.39861
443630.00	3773280.00	53.31163	443730.00	3773280.00	26.97618
443830.00	3773280.00	11.89209	443930.00	3773280.00	7.20552
444030.00	3773280.00	4.99806	444130.00	3773280.00	3.71862
444230.00	3773280.00	2.87314	444330.00	3773280.00	2.29309
442230.00	3773380.00	0.29462	442330.00	3773380.00	0.33537
442430.00	3773380.00	0.38409	442530.00	3773380.00	0.44386
442630.00	3773380.00	0.51712	442730.00	3773380.00	0.65748

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.80822	442930.00	3773380.00	1.04413
443030.00	3773380.00	1.41639	443130.00	3773380.00	1.94101
443230.00	3773380.00	2.80275	443330.00	3773380.00	4.21298
443430.00	3773380.00	6.90464	443530.00	3773380.00	11.67664
443630.00	3773380.00	29.38429	443730.00	3773380.00	15.24661
443830.00	3773380.00	8.53891	443930.00	3773380.00	5.75237
444030.00	3773380.00	4.20490	444130.00	3773380.00	3.27014
444230.00	3773380.00	2.61634	444330.00	3773380.00	2.14263
442230.00	3773480.00	0.27120	442330.00	3773480.00	0.30548
442430.00	3773480.00	0.34364	442530.00	3773480.00	0.40192
442630.00	3773480.00	0.46569	442730.00	3773480.00	0.57972
442830.00	3773480.00	0.69748	442930.00	3773480.00	0.88891
443030.00	3773480.00	1.16876	443130.00	3773480.00	1.60540
443230.00	3773480.00	2.16361	443330.00	3773480.00	3.08311
443430.00	3773480.00	3.96859	443530.00	3773480.00	5.67000
443630.00	3773480.00	7.23406	443730.00	3773480.00	6.48707
443830.00	3773480.00	5.30536	443930.00	3773480.00	4.12917
444030.00	3773480.00	3.32140	444130.00	3773480.00	2.72708
444230.00	3773480.00	2.26608	444330.00	3773480.00	1.91121
442230.00	3773580.00	0.24517	442330.00	3773580.00	0.27711
442430.00	3773580.00	0.31316	442530.00	3773580.00	0.35780
442630.00	3773580.00	0.41017	442730.00	3773580.00	0.49341
442830.00	3773580.00	0.60173	442930.00	3773580.00	0.75426
443030.00	3773580.00	0.98874	443130.00	3773580.00	1.27510
443230.00	3773580.00	1.61330	443330.00	3773580.00	2.00815
443430.00	3773580.00	2.58626	443530.00	3773580.00	3.17753
443630.00	3773580.00	3.47459	443730.00	3773580.00	3.36824
443830.00	3773580.00	3.24896	443930.00	3773580.00	2.84766
444030.00	3773580.00	2.49096	444130.00	3773580.00	2.20394
444230.00	3773580.00	1.91160	444330.00	3773580.00	1.65455
442380.00	3772130.00	0.57153	442480.00	3772130.00	0.62573
442580.00	3772130.00	0.68692	442680.00	3772130.00	0.75589
442780.00	3772130.00	0.83347	442880.00	3772130.00	0.91960
442980.00	3772130.00	1.01385	443080.00	3772130.00	1.11588
443180.00	3772130.00	1.22231	443280.00	3772130.00	1.32784
443380.00	3772130.00	1.42344	443480.00	3772130.00	1.49820
443580.00	3772130.00	1.53971	443680.00	3772130.00	1.54193
443780.00	3772130.00	1.49861	443880.00	3772130.00	1.42239
443980.00	3772130.00	1.32503	444080.00	3772130.00	1.21713
442380.00	3772230.00	0.60646	442480.00	3772230.00	0.66877

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.74039	442680.00	3772230.00	0.82267
442780.00	3772230.00	0.91699	442880.00	3772230.00	1.02453
442980.00	3772230.00	1.14697	443080.00	3772230.00	1.28454
443180.00	3772230.00	1.43480	443280.00	3772230.00	1.59278
443380.00	3772230.00	1.74335	443480.00	3772230.00	1.86467
443580.00	3772230.00	1.93725	443680.00	3772230.00	1.94157
443780.00	3772230.00	1.86931	443880.00	3772230.00	1.74460
443980.00	3772230.00	1.59079	444080.00	3772230.00	1.42612
442380.00	3772330.00	0.64118	442480.00	3772330.00	0.71211
442580.00	3772330.00	0.79500	442680.00	3772330.00	0.89223
442780.00	3772330.00	1.00660	442880.00	3772330.00	1.14171
442980.00	3772330.00	1.30097	443080.00	3772330.00	1.48736
443180.00	3772330.00	1.70120	443280.00	3772330.00	1.94147
443380.00	3772330.00	2.18759	443480.00	3772330.00	2.40877
443580.00	3772330.00	2.54655	443680.00	3772330.00	2.54768
443780.00	3772330.00	2.41353	443880.00	3772330.00	2.19295
443980.00	3772330.00	1.94993	444080.00	3772330.00	1.70262
442380.00	3772430.00	0.65309	442480.00	3772430.00	0.74577
442580.00	3772430.00	0.84944	442680.00	3772430.00	0.96297
442780.00	3772430.00	1.10009	442880.00	3772430.00	1.26693
442980.00	3772430.00	1.47119	443080.00	3772430.00	1.72250
443180.00	3772430.00	2.03137	443280.00	3772430.00	2.40464
443380.00	3772430.00	2.83493	443480.00	3772430.00	3.27260
443580.00	3772430.00	3.57968	443680.00	3772430.00	3.57596
443780.00	3772430.00	3.28302	443880.00	3772430.00	2.85584
443980.00	3772430.00	2.41020	444080.00	3772430.00	2.03950
442380.00	3772530.00	0.66045	442480.00	3772530.00	0.75163
442580.00	3772530.00	0.87391	442680.00	3772530.00	1.02871
442780.00	3772530.00	1.19354	442880.00	3772530.00	1.39561
442980.00	3772530.00	1.65264	443080.00	3772530.00	1.98506
443180.00	3772530.00	2.42190	443280.00	3772530.00	3.00602
443380.00	3772530.00	3.78807	443480.00	3772530.00	4.76861
443580.00	3772530.00	5.65031	443680.00	3772530.00	5.65768
443780.00	3772530.00	4.80061	443880.00	3772530.00	3.82944
443980.00	3772530.00	3.04709	444080.00	3772530.00	2.45927
442380.00	3772630.00	0.65251	442480.00	3772630.00	0.76123
442580.00	3772630.00	0.88781	442680.00	3772630.00	1.03600
442780.00	3772630.00	1.22094	443680.00	3772630.00	11.56401
443780.00	3772630.00	7.63574	443880.00	3772630.00	5.31558
443980.00	3772630.00	3.89037	444080.00	3772630.00	2.96830

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.63824	442480.00	3772730.00	0.75456
442580.00	3772730.00	0.87567	442680.00	3772730.00	1.03528
442780.00	3772730.00	1.26655	443680.00	3772730.00	40.13525
443780.00	3772730.00	13.01723	443880.00	3772730.00	7.32496
443980.00	3772730.00	4.90650	444080.00	3772730.00	3.55467
442380.00	3772830.00	0.60630	442480.00	3772830.00	0.71653
442580.00	3772830.00	0.83411	442680.00	3772830.00	1.00555
442780.00	3772830.00	1.24361	443080.00	3772830.00	2.65803
443180.00	3772830.00	3.50333	443580.00	3772830.00	44.65361
443680.00	3772830.00	63.38734	443780.00	3772830.00	18.07110
443880.00	3772830.00	9.38773	443980.00	3772830.00	5.91695
444080.00	3772830.00	4.12731	442380.00	3772930.00	0.56433
442480.00	3772930.00	0.64844	442580.00	3772930.00	0.79768
442680.00	3772930.00	0.94446	442780.00	3772930.00	1.20422
442880.00	3772930.00	1.51290	442980.00	3772930.00	1.94743
443080.00	3772930.00	2.61503	443180.00	3772930.00	3.66651
443280.00	3772930.00	5.38551	443380.00	3772930.00	8.77407
443480.00	3772930.00	16.36579	443580.00	3772930.00	48.32750
443680.00	3772930.00	66.41166	443780.00	3772930.00	20.28864
443880.00	3772930.00	10.63403	443980.00	3772930.00	6.64138
444080.00	3772930.00	4.56833	442380.00	3773030.00	0.51336
442480.00	3773030.00	0.60899	442580.00	3773030.00	0.72911
442680.00	3773030.00	0.88154	442780.00	3773030.00	1.05395
442880.00	3773030.00	1.42921	442980.00	3773030.00	1.86870
443080.00	3773030.00	2.53910	443180.00	3773030.00	3.62073
443280.00	3773030.00	5.38177	443380.00	3773030.00	8.79022
443480.00	3773030.00	16.79508	443580.00	3773030.00	49.36810
443680.00	3773030.00	66.02810	443780.00	3773030.00	20.81650
443880.00	3773030.00	11.04722	443980.00	3773030.00	6.94671
444080.00	3773030.00	4.78122	442380.00	3773130.00	0.46533
442480.00	3773130.00	0.55154	442580.00	3773130.00	0.65863
442680.00	3773130.00	0.79911	442780.00	3773130.00	1.01733
442880.00	3773130.00	1.28687	442980.00	3773130.00	1.72534
443080.00	3773130.00	2.34005	443180.00	3773130.00	3.38746
443280.00	3773130.00	5.10406	443380.00	3773130.00	8.42315
443480.00	3773130.00	16.12873	443580.00	3773130.00	47.76756
443680.00	3773130.00	66.06045	443780.00	3773130.00	20.20549
443880.00	3773130.00	10.78473	443980.00	3773130.00	6.84087
444080.00	3773130.00	4.75775	442380.00	3773230.00	0.42254
442480.00	3773230.00	0.49984	442580.00	3773230.00	0.58093

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 ,
L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 ,
L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.71201	442780.00	3773230.00	0.86750
442880.00	3773230.00	1.10795	442980.00	3773230.00	1.51515
443080.00	3773230.00	2.06574	443180.00	3773230.00	3.03241
443280.00	3773230.00	4.55323	443380.00	3773230.00	7.48750
443480.00	3773230.00	13.84620	443580.00	3773230.00	42.92817
443680.00	3773230.00	65.15706	443780.00	3773230.00	18.48500
443880.00	3773230.00	9.81048	443980.00	3773230.00	6.34367
444080.00	3773230.00	4.50514			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01438	442330.00	3771880.00	0.01569
442430.00	3771880.00	0.01713	442530.00	3771880.00	0.01870
442630.00	3771880.00	0.02036	442730.00	3771880.00	0.02204
442830.00	3771880.00	0.02365	442930.00	3771880.00	0.02509
443030.00	3771880.00	0.02624	443130.00	3771880.00	0.02700
443230.00	3771880.00	0.02730	443330.00	3771880.00	0.02709
443430.00	3771880.00	0.02640	443530.00	3771880.00	0.02529
443630.00	3771880.00	0.02385	443730.00	3771880.00	0.02221
443830.00	3771880.00	0.02050	443930.00	3771880.00	0.01882
444030.00	3771880.00	0.01726	444130.00	3771880.00	0.01586
444230.00	3771880.00	0.01463	444330.00	3771880.00	0.01356
442230.00	3771980.00	0.01587	442330.00	3771980.00	0.01758
442430.00	3771980.00	0.01954	442530.00	3771980.00	0.02174
442630.00	3771980.00	0.02414	442730.00	3771980.00	0.02665
442830.00	3771980.00	0.02912	442930.00	3771980.00	0.03137
443030.00	3771980.00	0.03319	443130.00	3771980.00	0.03441
443230.00	3771980.00	0.03488	443330.00	3771980.00	0.03454
443430.00	3771980.00	0.03344	443530.00	3771980.00	0.03169
443630.00	3771980.00	0.02946	443730.00	3771980.00	0.02697
443830.00	3771980.00	0.02445	443930.00	3771980.00	0.02208
444030.00	3771980.00	0.01996	444130.00	3771980.00	0.01811
444230.00	3771980.00	0.01654	444330.00	3771980.00	0.01524
442230.00	3772080.00	0.01755	442330.00	3772080.00	0.01980
442430.00	3772080.00	0.02249	442530.00	3772080.00	0.02563
442630.00	3772080.00	0.02921	442730.00	3772080.00	0.03311
442830.00	3772080.00	0.03707	442930.00	3772080.00	0.04077
443030.00	3772080.00	0.04380	443130.00	3772080.00	0.04584
443230.00	3772080.00	0.04665	443330.00	3772080.00	0.04611
443430.00	3772080.00	0.04430	443530.00	3772080.00	0.04138
443630.00	3772080.00	0.03776	443730.00	3772080.00	0.03382
443830.00	3772080.00	0.02998	443930.00	3772080.00	0.02652
444030.00	3772080.00	0.02357	444130.00	3772080.00	0.02112
444230.00	3772080.00	0.01912	444330.00	3772080.00	0.01748
442230.00	3772180.00	0.01938	442330.00	3772180.00	0.02236
442430.00	3772180.00	0.02605	442530.00	3772180.00	0.03064
442630.00	3772180.00	0.03617	442730.00	3772180.00	0.04253
442830.00	3772180.00	0.04927	442930.00	3772180.00	0.05574
443030.00	3772180.00	0.06109	443130.00	3772180.00	0.06471
443230.00	3772180.00	0.06618	443330.00	3772180.00	0.06532
443430.00	3772180.00	0.06222	443530.00	3772180.00	0.05715

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.05084	443730.00	3772180.00	0.04420
443830.00	3772180.00	0.03807	443930.00	3772180.00	0.03287
444030.00	3772180.00	0.02868	444130.00	3772180.00	0.02537
444230.00	3772180.00	0.02274	444330.00	3772180.00	0.02064
442230.00	3772280.00	0.02128	442330.00	3772280.00	0.02519
442430.00	3772280.00	0.03030	442530.00	3772280.00	0.03704
442630.00	3772280.00	0.04587	442730.00	3772280.00	0.05698
442830.00	3772280.00	0.06947	442930.00	3772280.00	0.08170
443030.00	3772280.00	0.09180	443130.00	3772280.00	0.09865
443230.00	3772280.00	0.10172	443330.00	3772280.00	0.10055
443430.00	3772280.00	0.09497	443530.00	3772280.00	0.08541
443630.00	3772280.00	0.07338	443730.00	3772280.00	0.06125
443830.00	3772280.00	0.05078	443930.00	3772280.00	0.04261
444030.00	3772280.00	0.03645	444130.00	3772280.00	0.03179
444230.00	3772280.00	0.02818	444330.00	3772280.00	0.02531
442230.00	3772380.00	0.02308	442330.00	3772380.00	0.02811
442430.00	3772380.00	0.03493	442530.00	3772380.00	0.04490
442630.00	3772380.00	0.05977	442730.00	3772380.00	0.08075
442830.00	3772380.00	0.10687	442930.00	3772380.00	0.13317
443030.00	3772380.00	0.15411	443130.00	3772380.00	0.16804
443230.00	3772380.00	0.17533	443330.00	3772380.00	0.17468
443430.00	3772380.00	0.16438	443530.00	3772380.00	0.14421
443630.00	3772380.00	0.11760	443730.00	3772380.00	0.09217
443830.00	3772380.00	0.07265	443930.00	3772380.00	0.05894
444030.00	3772380.00	0.04926	444130.00	3772380.00	0.04212
444230.00	3772380.00	0.03667	444330.00	3772380.00	0.03235
442230.00	3772480.00	0.02458	442330.00	3772480.00	0.03059
442430.00	3772480.00	0.03959	442530.00	3772480.00	0.05435
442630.00	3772480.00	0.07955	442730.00	3772480.00	0.12284
442830.00	3772480.00	0.19239	442930.00	3772480.00	0.26503
443030.00	3772480.00	0.31576	443130.00	3772480.00	0.34621
443230.00	3772480.00	0.37030	443330.00	3772480.00	0.37370
443430.00	3772480.00	0.35451	443530.00	3772480.00	0.30384
443630.00	3772480.00	0.22471	443730.00	3772480.00	0.15714
443830.00	3772480.00	0.11508	443930.00	3772480.00	0.08900
444030.00	3772480.00	0.07149	444130.00	3772480.00	0.05903
444230.00	3772480.00	0.04981	444330.00	3772480.00	0.04276
442230.00	3772580.00	0.02548	442330.00	3772580.00	0.03233
442430.00	3772580.00	0.04354	442530.00	3772580.00	0.06260
442630.00	3772580.00	0.10146	442730.00	3772580.00	0.19626

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.52811	442930.00	3772580.00	0.95064
443030.00	3772580.00	1.14754	443130.00	3772580.00	1.14449
443230.00	3772580.00	1.38235	443330.00	3772580.00	1.34360
443430.00	3772580.00	1.32059	443530.00	3772580.00	1.14738
443630.00	3772580.00	0.63435	443730.00	3772580.00	0.32220
443830.00	3772580.00	0.20423	443930.00	3772580.00	0.14381
444030.00	3772580.00	0.10810	444130.00	3772580.00	0.08480
444230.00	3772580.00	0.06864	444330.00	3772580.00	0.05698
442230.00	3772680.00	0.02626	442330.00	3772680.00	0.03372
442430.00	3772680.00	0.04619	442530.00	3772680.00	0.06932
442630.00	3772680.00	0.12019	442730.00	3772680.00	0.27703
442830.00	3772680.00	1.76771	443630.00	3772680.00	2.02166
443730.00	3772680.00	0.64685	443830.00	3772680.00	0.34727
443930.00	3772680.00	0.22322	444030.00	3772680.00	0.15755
444130.00	3772680.00	0.11785	444230.00	3772680.00	0.09196
444330.00	3772680.00	0.07411	442230.00	3772780.00	0.02656
442330.00	3772780.00	0.03404	442430.00	3772780.00	0.04653
442530.00	3772780.00	0.06954	442630.00	3772780.00	0.12065
442730.00	3772780.00	0.27422	442830.00	3772780.00	1.76698
443130.00	3772780.00	2.25993	443630.00	3772780.00	1.86874
443730.00	3772780.00	0.81900	443830.00	3772780.00	0.46139
443930.00	3772780.00	0.29420	444030.00	3772780.00	0.20407
444130.00	3772780.00	0.14993	444230.00	3772780.00	0.11500
444330.00	3772780.00	0.09116	442230.00	3772880.00	0.02649
442330.00	3772880.00	0.03366	442430.00	3772880.00	0.04492
442530.00	3772880.00	0.06498	442630.00	3772880.00	0.10392
442730.00	3772880.00	0.19656	442830.00	3772880.00	0.49530
442930.00	3772880.00	1.05755	443030.00	3772880.00	1.23806
443130.00	3772880.00	1.06867	443530.00	3772880.00	2.83230
443630.00	3772880.00	1.23350	443730.00	3772880.00	0.72626
443830.00	3772880.00	0.46623	443930.00	3772880.00	0.31748
444030.00	3772880.00	0.22738	444130.00	3772880.00	0.16979
444230.00	3772880.00	0.13119	444330.00	3772880.00	0.10421
442230.00	3772980.00	0.02601	442330.00	3772980.00	0.03247
442430.00	3772980.00	0.04222	442530.00	3772980.00	0.05776
442630.00	3772980.00	0.08368	442730.00	3772980.00	0.12764
442830.00	3772980.00	0.20256	442930.00	3772980.00	0.30255
443030.00	3772980.00	0.40492	443130.00	3772980.00	0.50737
443230.00	3772980.00	0.73441	443330.00	3772980.00	1.15869
443430.00	3772980.00	1.33024	443530.00	3772980.00	1.08950

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	0.75955	443730.00	3772980.00	0.53889
443830.00	3772980.00	0.39177	443930.00	3772980.00	0.29118
444030.00	3772980.00	0.22102	444130.00	3772980.00	0.17151
444230.00	3772980.00	0.13599	444330.00	3772980.00	0.10994
442230.00	3773080.00	0.02517	442330.00	3773080.00	0.03073
442430.00	3773080.00	0.03854	442530.00	3773080.00	0.04987
442630.00	3773080.00	0.06608	442730.00	3773080.00	0.08949
442830.00	3773080.00	0.12075	442930.00	3773080.00	0.16154
443030.00	3773080.00	0.20802	443130.00	3773080.00	0.26280
443230.00	3773080.00	0.33174	443330.00	3773080.00	0.40804
443430.00	3773080.00	0.46468	443530.00	3773080.00	0.46625
443630.00	3773080.00	0.42118	443730.00	3773080.00	0.35610
443830.00	3773080.00	0.29297	443930.00	3773080.00	0.23821
444030.00	3773080.00	0.19314	444130.00	3773080.00	0.15760
444230.00	3773080.00	0.12976	444330.00	3773080.00	0.10790
442230.00	3773180.00	0.02400	442330.00	3773180.00	0.02857
442430.00	3773180.00	0.03462	442530.00	3773180.00	0.04257
442630.00	3773180.00	0.05294	442730.00	3773180.00	0.06642
442830.00	3773180.00	0.08343	442930.00	3773180.00	0.10395
443030.00	3773180.00	0.12815	443130.00	3773180.00	0.15531
443230.00	3773180.00	0.18524	443330.00	3773180.00	0.21458
443430.00	3773180.00	0.23683	443530.00	3773180.00	0.24438
443630.00	3773180.00	0.24228	443730.00	3773180.00	0.22750
443830.00	3773180.00	0.20535	443930.00	3773180.00	0.18088
444030.00	3773180.00	0.15656	444130.00	3773180.00	0.13505
444230.00	3773180.00	0.11583	444330.00	3773180.00	0.09962
442230.00	3773280.00	0.02265	442330.00	3773280.00	0.02634
442430.00	3773280.00	0.03091	442530.00	3773280.00	0.03651
442630.00	3773280.00	0.04345	442730.00	3773280.00	0.05188
442830.00	3773280.00	0.06211	442930.00	3773280.00	0.07428
443030.00	3773280.00	0.08731	443130.00	3773280.00	0.10189
443230.00	3773280.00	0.11694	443330.00	3773280.00	0.13182
443430.00	3773280.00	0.14328	443530.00	3773280.00	0.14962
443630.00	3773280.00	0.15200	443730.00	3773280.00	0.14951
443830.00	3773280.00	0.14425	443930.00	3773280.00	0.13414
444030.00	3773280.00	0.12259	444130.00	3773280.00	0.11084
444230.00	3773280.00	0.09894	444330.00	3773280.00	0.08795
442230.00	3773380.00	0.02120	442330.00	3773380.00	0.02412
442430.00	3773380.00	0.02756	442530.00	3773380.00	0.03158
442630.00	3773380.00	0.03626	442730.00	3773380.00	0.04201

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.04848	442930.00	3773380.00	0.05585
443030.00	3773380.00	0.06392	443130.00	3773380.00	0.07224
443230.00	3773380.00	0.08079	443330.00	3773380.00	0.08923
443430.00	3773380.00	0.09775	443530.00	3773380.00	0.10056
443630.00	3773380.00	0.10323	443730.00	3773380.00	0.10406
443830.00	3773380.00	0.10287	443930.00	3773380.00	0.09973
444030.00	3773380.00	0.09463	444130.00	3773380.00	0.08888
444230.00	3773380.00	0.08226	444330.00	3773380.00	0.07547
442230.00	3773480.00	0.01978	442330.00	3773480.00	0.02207
442430.00	3773480.00	0.02464	442530.00	3773480.00	0.02761
442630.00	3773480.00	0.03095	442730.00	3773480.00	0.03490
442830.00	3773480.00	0.03919	442930.00	3773480.00	0.04397
443030.00	3773480.00	0.04905	443130.00	3773480.00	0.05441
443230.00	3773480.00	0.05965	443330.00	3773480.00	0.06480
443430.00	3773480.00	0.06869	443530.00	3773480.00	0.07216
443630.00	3773480.00	0.07460	443730.00	3773480.00	0.07569
443830.00	3773480.00	0.07629	443930.00	3773480.00	0.07544
444030.00	3773480.00	0.07372	444130.00	3773480.00	0.07108
444230.00	3773480.00	0.06760	444330.00	3773480.00	0.06366
442230.00	3773580.00	0.01838	442330.00	3773580.00	0.02018
442430.00	3773580.00	0.02215	442530.00	3773580.00	0.02434
442630.00	3773580.00	0.02676	442730.00	3773580.00	0.02952
442830.00	3773580.00	0.03254	442930.00	3773580.00	0.03580
443030.00	3773580.00	0.03930	443130.00	3773580.00	0.04282
443230.00	3773580.00	0.04625	443330.00	3773580.00	0.04946
443430.00	3773580.00	0.05247	443530.00	3773580.00	0.05492
443630.00	3773580.00	0.05664	443730.00	3773580.00	0.05774
443830.00	3773580.00	0.05858	443930.00	3773580.00	0.05867
444030.00	3773580.00	0.05825	444130.00	3773580.00	0.05741
444230.00	3773580.00	0.05579	444330.00	3773580.00	0.05355
442380.00	3772130.00	0.02253	442480.00	3772130.00	0.02599
442580.00	3772130.00	0.03011	442680.00	3772130.00	0.03483
442780.00	3772130.00	0.03991	442880.00	3772130.00	0.04497
442980.00	3772130.00	0.04947	443080.00	3772130.00	0.05286
443180.00	3772130.00	0.05477	443280.00	3772130.00	0.05498
443380.00	3772130.00	0.05344	443480.00	3772130.00	0.05030
443580.00	3772130.00	0.04596	443680.00	3772130.00	0.04096
443780.00	3772130.00	0.03596	443880.00	3772130.00	0.03142
443980.00	3772130.00	0.02755	444080.00	3772130.00	0.02439
442380.00	3772230.00	0.02578	442480.00	3772230.00	0.03070

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.03693	442680.00	3772230.00	0.04461
442780.00	3772230.00	0.05344	442880.00	3772230.00	0.06254
442980.00	3772230.00	0.07072	443080.00	3772230.00	0.07690
443180.00	3772230.00	0.08045	443280.00	3772230.00	0.08098
443380.00	3772230.00	0.07837	443480.00	3772230.00	0.07278
443580.00	3772230.00	0.06487	443680.00	3772230.00	0.05595
443780.00	3772230.00	0.04746	443880.00	3772230.00	0.04023
443980.00	3772230.00	0.03449	444080.00	3772230.00	0.03005
442380.00	3772330.00	0.02937	442480.00	3772330.00	0.03640
442580.00	3772330.00	0.04611	442680.00	3772330.00	0.05935
442780.00	3772330.00	0.07596	442880.00	3772330.00	0.09402
442980.00	3772330.00	0.11027	443080.00	3772330.00	0.12235
443180.00	3772330.00	0.12960	443280.00	3772330.00	0.13138
443380.00	3772330.00	0.12710	443480.00	3772330.00	0.11634
443580.00	3772330.00	0.10035	443680.00	3772330.00	0.08254
443780.00	3772330.00	0.06669	443880.00	3772330.00	0.05447
443980.00	3772330.00	0.04551	444080.00	3772330.00	0.03897
442380.00	3772430.00	0.03292	442480.00	3772430.00	0.04278
442580.00	3772430.00	0.05819	442680.00	3772430.00	0.08234
442780.00	3772430.00	0.11798	442880.00	3772430.00	0.16126
442980.00	3772430.00	0.19877	443080.00	3772430.00	0.22434
443180.00	3772430.00	0.24083	443280.00	3772430.00	0.24807
443380.00	3772430.00	0.24147	443480.00	3772430.00	0.21912
443580.00	3772430.00	0.18022	443680.00	3772430.00	0.13666
443780.00	3772430.00	0.10262	443880.00	3772430.00	0.07989
443980.00	3772430.00	0.06471	444080.00	3772430.00	0.05388
442380.00	3772530.00	0.03603	442480.00	3772530.00	0.04899
442580.00	3772530.00	0.07223	442680.00	3772530.00	0.11701
442780.00	3772530.00	0.21270	442880.00	3772530.00	0.37369
442980.00	3772530.00	0.48978	443080.00	3772530.00	0.55097
443180.00	3772530.00	0.59804	443280.00	3772530.00	0.63882
443380.00	3772530.00	0.62260	443480.00	3772530.00	0.57784
443580.00	3772530.00	0.43858	443680.00	3772530.00	0.27400
443780.00	3772530.00	0.18051	443880.00	3772530.00	0.12984
443980.00	3772530.00	0.09899	444080.00	3772530.00	0.07854
442380.00	3772630.00	0.03816	442480.00	3772630.00	0.05389
442580.00	3772630.00	0.08442	442680.00	3772630.00	0.15668
442780.00	3772630.00	0.43093	443680.00	3772630.00	0.71106
443780.00	3772630.00	0.35026	443880.00	3772630.00	0.21915
443980.00	3772630.00	0.15338	444080.00	3772630.00	0.11466

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.03927	442480.00	3772730.00	0.05613
442580.00	3772730.00	0.08932	442680.00	3772730.00	0.17498
442780.00	3772730.00	0.56800	443680.00	3772730.00	1.18579
443780.00	3772730.00	0.55103	443880.00	3772730.00	0.32582
443980.00	3772730.00	0.21679	444080.00	3772730.00	0.15580
442380.00	3772830.00	0.03910	442480.00	3772830.00	0.05503
442580.00	3772830.00	0.08530	442680.00	3772830.00	0.15688
442780.00	3772830.00	0.42029	443080.00	3772830.00	1.92949
443180.00	3772830.00	1.58185	443580.00	3772830.00	2.31241
443680.00	3772830.00	1.07166	443780.00	3772830.00	0.60701
443880.00	3772830.00	0.38215	443980.00	3772830.00	0.26017
444080.00	3772830.00	0.18756	442380.00	3772930.00	0.03784
442480.00	3772930.00	0.05134	442580.00	3772930.00	0.07532
442680.00	3772930.00	0.11979	442780.00	3772930.00	0.21470
442880.00	3772930.00	0.38989	442980.00	3772930.00	0.58345
443080.00	3772930.00	0.68426	443180.00	3772930.00	0.85941
443280.00	3772930.00	2.77875	443380.00	3772930.00	3.51315
443480.00	3772930.00	2.88362	443580.00	3772930.00	1.29169
443680.00	3772930.00	0.78486	443780.00	3772930.00	0.52381
443880.00	3772930.00	0.36546	443980.00	3772930.00	0.26438
444080.00	3772930.00	0.19772	442380.00	3773030.00	0.03561
442480.00	3773030.00	0.04649	442580.00	3773030.00	0.06309
442680.00	3773030.00	0.08860	442780.00	3773030.00	0.12621
442880.00	3773030.00	0.18118	442980.00	3773030.00	0.24560
443080.00	3773030.00	0.31763	443180.00	3773030.00	0.41113
443280.00	3773030.00	0.55057	443380.00	3773030.00	0.69291
443480.00	3773030.00	0.72830	443580.00	3773030.00	0.63288
443680.00	3773030.00	0.50230	443780.00	3773030.00	0.38917
443880.00	3773030.00	0.30186	443980.00	3773030.00	0.23547
444080.00	3773030.00	0.18607	442380.00	3773130.00	0.03286
442480.00	3773130.00	0.04101	442580.00	3773130.00	0.05215
442680.00	3773130.00	0.06716	442780.00	3773130.00	0.08732
442880.00	3773130.00	0.11247	442980.00	3773130.00	0.14346
443080.00	3773130.00	0.17915	443180.00	3773130.00	0.22128
443280.00	3773130.00	0.26602	443380.00	3773130.00	0.30766
443480.00	3773130.00	0.33810	443580.00	3773130.00	0.32725
443680.00	3773130.00	0.30180	443780.00	3773130.00	0.26514
443880.00	3773130.00	0.22833	443980.00	3773130.00	0.19182
444080.00	3773130.00	0.16050	442380.00	3773230.00	0.02995
442480.00	3773230.00	0.03595	442580.00	3773230.00	0.04339

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0004842 , L0004843 , L0004844 , L0004845 ,
L0004846 ,
L0004847 , L0004848 , L0004849 , L0004850 , L0004851 , L0004852 , L0004853 ,
L0004854 ,
L0004855 , L0004856 , L0004857 , L0004858 , L0004859 , L0004860 , L0004861 ,
L0004862 ,
L0004863 , L0004864 , L0004865 , L0004866 , L0004867 , L0004868 ,
L0004869 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.05285	442780.00	3773230.00	0.06443
442880.00	3773230.00	0.07870	442980.00	3773230.00	0.09579
443080.00	3773230.00	0.11427	443180.00	3773230.00	0.13497
443280.00	3773230.00	0.15561	443380.00	3773230.00	0.17461
443480.00	3773230.00	0.18534	443580.00	3773230.00	0.18962
443680.00	3773230.00	0.18750	443780.00	3773230.00	0.17873
443880.00	3773230.00	0.16416	443980.00	3773230.00	0.14752
444080.00	3773230.00	0.13094			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01218	442330.00	3771880.00	0.01319
442430.00	3771880.00	0.01433	442530.00	3771880.00	0.01561
442630.00	3771880.00	0.01703	442730.00	3771880.00	0.01857
442830.00	3771880.00	0.02022	442930.00	3771880.00	0.02190
443030.00	3771880.00	0.02354	443130.00	3771880.00	0.02501
443230.00	3771880.00	0.02617	443330.00	3771880.00	0.02687
443430.00	3771880.00	0.02702	443530.00	3771880.00	0.02657
443630.00	3771880.00	0.02555	443730.00	3771880.00	0.02409
443830.00	3771880.00	0.02238	443930.00	3771880.00	0.02060
444030.00	3771880.00	0.01887	444130.00	3771880.00	0.01728
444230.00	3771880.00	0.01586	444330.00	3771880.00	0.01461
442230.00	3771980.00	0.01309	442330.00	3771980.00	0.01433
442430.00	3771980.00	0.01576	442530.00	3771980.00	0.01741
442630.00	3771980.00	0.01931	442730.00	3771980.00	0.02145
442830.00	3771980.00	0.02382	442930.00	3771980.00	0.02635
443030.00	3771980.00	0.02891	443130.00	3771980.00	0.03129
443230.00	3771980.00	0.03320	443330.00	3771980.00	0.03437
443430.00	3771980.00	0.03459	443530.00	3771980.00	0.03379
443630.00	3771980.00	0.03208	443730.00	3771980.00	0.02973
443830.00	3771980.00	0.02709	443930.00	3771980.00	0.02445
444030.00	3771980.00	0.02200	444130.00	3771980.00	0.01984
444230.00	3771980.00	0.01798	444330.00	3771980.00	0.01643
442230.00	3772080.00	0.01404	442330.00	3772080.00	0.01555
442430.00	3772080.00	0.01734	442530.00	3772080.00	0.01947
442630.00	3772080.00	0.02201	442730.00	3772080.00	0.02501
442830.00	3772080.00	0.02849	442930.00	3772080.00	0.03240
443030.00	3772080.00	0.03655	443130.00	3772080.00	0.04060
443230.00	3772080.00	0.04399	443330.00	3772080.00	0.04610
443430.00	3772080.00	0.04647	443530.00	3772080.00	0.04496
443630.00	3772080.00	0.04193	443730.00	3772080.00	0.03793
443830.00	3772080.00	0.03366	443930.00	3772080.00	0.02964
444030.00	3772080.00	0.02613	444130.00	3772080.00	0.02318
444230.00	3772080.00	0.02078	444330.00	3772080.00	0.01882
442230.00	3772180.00	0.01498	442330.00	3772180.00	0.01680
442430.00	3772180.00	0.01901	442530.00	3772180.00	0.02175
442630.00	3772180.00	0.02516	442730.00	3772180.00	0.02938
442830.00	3772180.00	0.03454	442930.00	3772180.00	0.04073
443030.00	3772180.00	0.04777	443130.00	3772180.00	0.05509
443230.00	3772180.00	0.06157	443330.00	3772180.00	0.06575
443430.00	3772180.00	0.06651	443530.00	3772180.00	0.06350

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.05762	443730.00	3772180.00	0.05036
443830.00	3772180.00	0.04319	443930.00	3772180.00	0.03692
444030.00	3772180.00	0.03182	444130.00	3772180.00	0.02779
444230.00	3772180.00	0.02465	444330.00	3772180.00	0.02217
442230.00	3772280.00	0.01579	442330.00	3772280.00	0.01799
442430.00	3772280.00	0.02068	442530.00	3772280.00	0.02411
442630.00	3772280.00	0.02860	442730.00	3772280.00	0.03457
442830.00	3772280.00	0.04232	442930.00	3772280.00	0.05229
443030.00	3772280.00	0.06471	443130.00	3772280.00	0.07892
443230.00	3772280.00	0.09266	443330.00	3772280.00	0.10209
443430.00	3772280.00	0.10380	443530.00	3772280.00	0.09705
443630.00	3772280.00	0.08450	443730.00	3772280.00	0.07036
443830.00	3772280.00	0.05770	443930.00	3772280.00	0.04773
444030.00	3772280.00	0.04027	444130.00	3772280.00	0.03471
444230.00	3772280.00	0.03050	444330.00	3772280.00	0.02721
442230.00	3772380.00	0.01646	442330.00	3772380.00	0.01898
442430.00	3772380.00	0.02205	442530.00	3772380.00	0.02620
442630.00	3772380.00	0.03215	442730.00	3772380.00	0.04049
442830.00	3772380.00	0.05188	442930.00	3772380.00	0.06804
443030.00	3772380.00	0.09078	443130.00	3772380.00	0.12055
443230.00	3772380.00	0.15338	443330.00	3772380.00	0.17839
443430.00	3772380.00	0.18325	443530.00	3772380.00	0.16573
443630.00	3772380.00	0.13535	443730.00	3772380.00	0.10519
443830.00	3772380.00	0.08186	443930.00	3772380.00	0.06559
444030.00	3772380.00	0.05429	444130.00	3772380.00	0.04610
444230.00	3772380.00	0.03994	444330.00	3772380.00	0.03511
442230.00	3772480.00	0.01697	442330.00	3772480.00	0.01967
442430.00	3772480.00	0.02323	442530.00	3772480.00	0.02830
442630.00	3772480.00	0.03576	442730.00	3772480.00	0.04628
442830.00	3772480.00	0.06260	442930.00	3772480.00	0.08791
443030.00	3772480.00	0.13037	443130.00	3772480.00	0.19782
443230.00	3772480.00	0.29194	443330.00	3772480.00	0.37537
443430.00	3772480.00	0.39338	443530.00	3772480.00	0.33852
443630.00	3772480.00	0.24861	443730.00	3772480.00	0.17501
443830.00	3772480.00	0.12850	443930.00	3772480.00	0.09941
444030.00	3772480.00	0.07983	444130.00	3772480.00	0.06582
444230.00	3772480.00	0.05540	444330.00	3772480.00	0.04741
442230.00	3772580.00	0.01730	442330.00	3772580.00	0.02018
442430.00	3772580.00	0.02417	442530.00	3772580.00	0.02962
442630.00	3772580.00	0.03784	442730.00	3772580.00	0.05047

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.07115	442930.00	3772580.00	0.10938
443030.00	3772580.00	0.18328	443130.00	3772580.00	0.34440
443230.00	3772580.00	0.70606	443330.00	3772580.00	1.14248
443430.00	3772580.00	1.23914	443530.00	3772580.00	1.02190
443630.00	3772580.00	0.58924	443730.00	3772580.00	0.34925
443830.00	3772580.00	0.23244	443930.00	3772580.00	0.16640
444030.00	3772580.00	0.12555	444130.00	3772580.00	0.09825
444230.00	3772580.00	0.07909	444330.00	3772580.00	0.06520
442230.00	3772680.00	0.01765	442330.00	3772680.00	0.02069
442430.00	3772680.00	0.02490	442530.00	3772680.00	0.03089
442630.00	3772680.00	0.03978	442730.00	3772680.00	0.05378
442830.00	3772680.00	0.07801	443630.00	3772680.00	1.88729
443730.00	3772680.00	0.76913	443830.00	3772680.00	0.43015
443930.00	3772680.00	0.27739	444030.00	3772680.00	0.19415
444130.00	3772680.00	0.14347	444230.00	3772680.00	0.11047
444330.00	3772680.00	0.08787	442230.00	3772780.00	0.01789
442330.00	3772780.00	0.02096	442430.00	3772780.00	0.02523
442530.00	3772780.00	0.03131	442630.00	3772780.00	0.04050
442730.00	3772780.00	0.05491	442830.00	3772780.00	0.08043
443130.00	3772780.00	0.63292	443630.00	3772780.00	2.90988
443730.00	3772780.00	1.19447	443830.00	3772780.00	0.64219
443930.00	3772780.00	0.39538	444030.00	3772780.00	0.26649
444130.00	3772780.00	0.19102	444230.00	3772780.00	0.14339
444330.00	3772780.00	0.11151	442230.00	3772880.00	0.01804
442330.00	3772880.00	0.02112	442430.00	3772880.00	0.02525
442530.00	3772880.00	0.03126	442630.00	3772880.00	0.04010
442730.00	3772880.00	0.05421	442830.00	3772880.00	0.07851
442930.00	3772880.00	0.12377	443030.00	3772880.00	0.22507
443130.00	3772880.00	0.49112	443530.00	3772880.00	4.03425
443630.00	3772880.00	2.05609	443730.00	3772880.00	1.13388
443830.00	3772880.00	0.68382	443930.00	3772880.00	0.44427
444030.00	3772880.00	0.30674	444130.00	3772880.00	0.22227
444230.00	3772880.00	0.16743	444330.00	3772880.00	0.13010
442230.00	3772980.00	0.01808	442330.00	3772980.00	0.02108
442430.00	3772980.00	0.02513	442530.00	3772980.00	0.03083
442630.00	3772980.00	0.03914	442730.00	3772980.00	0.05171
442830.00	3772980.00	0.07262	442930.00	3772980.00	0.10819
443030.00	3772980.00	0.17370	443130.00	3772980.00	0.29997
443230.00	3772980.00	0.53496	443330.00	3772980.00	0.87257
443430.00	3772980.00	1.14908	443530.00	3772980.00	1.18074

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	1.00663	443730.00	3772980.00	0.76173
443830.00	3772980.00	0.55289	443930.00	3772980.00	0.40125
444030.00	3772980.00	0.29678	444130.00	3772980.00	0.22474
444230.00	3772980.00	0.17425	444330.00	3772980.00	0.13803
442230.00	3773080.00	0.01802	442330.00	3773080.00	0.02090
442430.00	3773080.00	0.02472	442530.00	3773080.00	0.02999
442630.00	3773080.00	0.03737	442730.00	3773080.00	0.04827
442830.00	3773080.00	0.06435	442930.00	3773080.00	0.08955
443030.00	3773080.00	0.12743	443130.00	3773080.00	0.18371
443230.00	3773080.00	0.26321	443330.00	3773080.00	0.35801
443430.00	3773080.00	0.44577	443530.00	3773080.00	0.49257
443630.00	3773080.00	0.48872	443730.00	3773080.00	0.44413
443830.00	3773080.00	0.37951	443930.00	3773080.00	0.31100
444030.00	3773080.00	0.25065	444130.00	3773080.00	0.20201
444230.00	3773080.00	0.16392	444330.00	3773080.00	0.13429
442230.00	3773180.00	0.01782	442330.00	3773180.00	0.02053
442430.00	3773180.00	0.02404	442530.00	3773180.00	0.02869
442630.00	3773180.00	0.03493	442730.00	3773180.00	0.04351
442830.00	3773180.00	0.05528	442930.00	3773180.00	0.07123
443030.00	3773180.00	0.09271	443130.00	3773180.00	0.12025
443230.00	3773180.00	0.15440	443330.00	3773180.00	0.19248
443430.00	3773180.00	0.22719	443530.00	3773180.00	0.24892
443630.00	3773180.00	0.26202	443730.00	3773180.00	0.25973
443830.00	3773180.00	0.24444	443930.00	3773180.00	0.22088
444030.00	3773180.00	0.19317	444130.00	3773180.00	0.16691
444230.00	3773180.00	0.14244	444330.00	3773180.00	0.12154
442230.00	3773280.00	0.01752	442330.00	3773280.00	0.02000
442430.00	3773280.00	0.02311	442530.00	3773280.00	0.02703
442630.00	3773280.00	0.03209	442730.00	3773280.00	0.03852
442830.00	3773280.00	0.04669	442930.00	3773280.00	0.05698
443030.00	3773280.00	0.06909	443130.00	3773280.00	0.08395
443230.00	3773280.00	0.10110	443330.00	3773280.00	0.11988
443430.00	3773280.00	0.13669	443530.00	3773280.00	0.14895
443630.00	3773280.00	0.15753	443730.00	3773280.00	0.16107
443830.00	3773280.00	0.16134	443930.00	3773280.00	0.15425
444030.00	3773280.00	0.14365	444130.00	3773280.00	0.13129
444230.00	3773280.00	0.11758	444330.00	3773280.00	0.10440
442230.00	3773380.00	0.01708	442330.00	3773380.00	0.01928
442430.00	3773380.00	0.02194	442530.00	3773380.00	0.02515
442630.00	3773380.00	0.02900	442730.00	3773380.00	0.03380

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.03934	442930.00	3773380.00	0.04583
443030.00	3773380.00	0.05338	443130.00	3773380.00	0.06198
443230.00	3773380.00	0.07173	443330.00	3773380.00	0.08219
443430.00	3773380.00	0.09329	443530.00	3773380.00	0.09891
443630.00	3773380.00	0.10439	443730.00	3773380.00	0.10816
443830.00	3773380.00	0.10992	443930.00	3773380.00	0.10933
444030.00	3773380.00	0.10591	444130.00	3773380.00	0.10102
444230.00	3773380.00	0.09435	444330.00	3773380.00	0.08694
442230.00	3773480.00	0.01655	442330.00	3773480.00	0.01843
442430.00	3773480.00	0.02062	442530.00	3773480.00	0.02319
442630.00	3773480.00	0.02613	442730.00	3773480.00	0.02959
442830.00	3773480.00	0.03337	442930.00	3773480.00	0.03764
443030.00	3773480.00	0.04245	443130.00	3773480.00	0.04801
443230.00	3773480.00	0.05400	443330.00	3773480.00	0.06034
443430.00	3773480.00	0.06571	443530.00	3773480.00	0.07064
443630.00	3773480.00	0.07448	443730.00	3773480.00	0.07699
443830.00	3773480.00	0.07916	443930.00	3773480.00	0.07986
444030.00	3773480.00	0.07955	444130.00	3773480.00	0.07795
444230.00	3773480.00	0.07503	444330.00	3773480.00	0.07123
442230.00	3773580.00	0.01588	442330.00	3773580.00	0.01747
442430.00	3773580.00	0.01925	442530.00	3773580.00	0.02125
442630.00	3773580.00	0.02346	442730.00	3773580.00	0.02593
442830.00	3773580.00	0.02859	442930.00	3773580.00	0.03153
443030.00	3773580.00	0.03488	443130.00	3773580.00	0.03857
443230.00	3773580.00	0.04250	443330.00	3773580.00	0.04648
443430.00	3773580.00	0.05038	443530.00	3773580.00	0.05371
443630.00	3773580.00	0.05622	443730.00	3773580.00	0.05806
443830.00	3773580.00	0.05970	443930.00	3773580.00	0.06066
444030.00	3773580.00	0.06116	444130.00	3773580.00	0.06120
444230.00	3773580.00	0.06023	444330.00	3773580.00	0.05837
442380.00	3772130.00	0.01712	442480.00	3772130.00	0.01931
442580.00	3772130.00	0.02199	442680.00	3772130.00	0.02523
442780.00	3772130.00	0.02912	442880.00	3772130.00	0.03369
442980.00	3772130.00	0.03888	443080.00	3772130.00	0.04435
443180.00	3772130.00	0.04948	443280.00	3772130.00	0.05337
443380.00	3772130.00	0.05517	443480.00	3772130.00	0.05436
443580.00	3772130.00	0.05111	443680.00	3772130.00	0.04621
443780.00	3772130.00	0.04069	443880.00	3772130.00	0.03538
443980.00	3772130.00	0.03074	444080.00	3772130.00	0.02691
442380.00	3772230.00	0.01856	442480.00	3772230.00	0.02131

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.02476	442680.00	3772230.00	0.02921
442780.00	3772230.00	0.03486	442880.00	3772230.00	0.04194
442980.00	3772230.00	0.05056	443080.00	3772230.00	0.06041
443180.00	3772230.00	0.07036	443280.00	3772230.00	0.07838
443380.00	3772230.00	0.08220	443480.00	3772230.00	0.08048
443580.00	3772230.00	0.07373	443680.00	3772230.00	0.06415
443780.00	3772230.00	0.05421	443880.00	3772230.00	0.04547
443980.00	3772230.00	0.03846	444080.00	3772230.00	0.03306
442380.00	3772330.00	0.01983	442480.00	3772330.00	0.02319
442580.00	3772330.00	0.02763	442680.00	3772330.00	0.03372
442780.00	3772330.00	0.04183	442880.00	3772330.00	0.05279
442980.00	3772330.00	0.06745	443080.00	3772330.00	0.08618
443180.00	3772330.00	0.10746	443280.00	3772330.00	0.12624
443380.00	3772330.00	0.13574	443480.00	3772330.00	0.13151
443580.00	3772330.00	0.11572	443680.00	3772330.00	0.09514
443780.00	3772330.00	0.07608	443880.00	3772330.00	0.06125
443980.00	3772330.00	0.05047	444080.00	3772330.00	0.04273
442380.00	3772430.00	0.02085	442480.00	3772430.00	0.02482
442580.00	3772430.00	0.03041	442680.00	3772430.00	0.03843
442780.00	3772430.00	0.04967	442880.00	3772430.00	0.06638
442980.00	3772430.00	0.09160	443080.00	3772430.00	0.12912
443180.00	3772430.00	0.17971	443280.00	3772430.00	0.23216
443380.00	3772430.00	0.26086	443480.00	3772430.00	0.24910
443580.00	3772430.00	0.20543	443680.00	3772430.00	0.15487
443780.00	3772430.00	0.11546	443880.00	3772430.00	0.08915
443980.00	3772430.00	0.07174	444080.00	3772430.00	0.05947
442380.00	3772530.00	0.02169	442480.00	3772530.00	0.02612
442580.00	3772530.00	0.03261	442680.00	3772530.00	0.04217
442780.00	3772530.00	0.05700	442880.00	3772530.00	0.08088
442980.00	3772530.00	0.12328	443080.00	3772530.00	0.19997
443180.00	3772530.00	0.33965	443280.00	3772530.00	0.53401
443380.00	3772530.00	0.65039	443480.00	3772530.00	0.61300
443580.00	3772530.00	0.45515	443680.00	3772530.00	0.29448
443780.00	3772530.00	0.20045	443880.00	3772530.00	0.14633
443980.00	3772530.00	0.11224	444080.00	3772530.00	0.08915
442380.00	3772630.00	0.02229	442480.00	3772630.00	0.02713
442580.00	3772630.00	0.03414	442680.00	3772630.00	0.04471
442780.00	3772630.00	0.06174	443680.00	3772630.00	0.71908
443780.00	3772630.00	0.40365	443880.00	3772630.00	0.26066
443980.00	3772630.00	0.18346	444080.00	3772630.00	0.13661

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.02274	442480.00	3772730.00	0.02779
442580.00	3772730.00	0.03499	442680.00	3772730.00	0.04618
442780.00	3772730.00	0.06527	443680.00	3772730.00	1.53977
443780.00	3772730.00	0.72823	443880.00	3772730.00	0.42560
443980.00	3772730.00	0.27812	444080.00	3772730.00	0.19612
442380.00	3772830.00	0.02297	442480.00	3772830.00	0.02801
442580.00	3772830.00	0.03524	442680.00	3772830.00	0.04652
442780.00	3772830.00	0.06539	443080.00	3772830.00	0.36386
443180.00	3772830.00	1.08391	443580.00	3772830.00	4.43981
443680.00	3772830.00	1.75088	443780.00	3772830.00	0.90573
443880.00	3772830.00	0.53914	443980.00	3772830.00	0.35264
444080.00	3772830.00	0.24631	442380.00	3772930.00	0.02302
442480.00	3772930.00	0.02786	442580.00	3772930.00	0.03501
442680.00	3772930.00	0.04559	442780.00	3772930.00	0.06314
442880.00	3772930.00	0.09310	442980.00	3772930.00	0.14992
443080.00	3772930.00	0.27110	443180.00	3772930.00	0.56784
443280.00	3772930.00	1.24652	443380.00	3772930.00	2.01600
443480.00	3772930.00	2.19715	443580.00	3772930.00	1.76738
443680.00	3772930.00	1.18479	443780.00	3772930.00	0.77496
443880.00	3772930.00	0.52023	443980.00	3772930.00	0.36320
444080.00	3772930.00	0.26342	442380.00	3773030.00	0.02283
442480.00	3773030.00	0.02751	442580.00	3773030.00	0.03408
442680.00	3773030.00	0.04366	442780.00	3773030.00	0.05805
442880.00	3773030.00	0.08192	442980.00	3773030.00	0.12069
443080.00	3773030.00	0.18601	443180.00	3773030.00	0.29339
443280.00	3773030.00	0.44632	443380.00	3773030.00	0.61383
443480.00	3773030.00	0.72985	443580.00	3773030.00	0.72751
443680.00	3773030.00	0.64510	443780.00	3773030.00	0.52377
443880.00	3773030.00	0.40811	443980.00	3773030.00	0.31449
444080.00	3773030.00	0.24402	442380.00	3773130.00	0.02244
442480.00	3773130.00	0.02674	442580.00	3773130.00	0.03257
442680.00	3773130.00	0.04068	442780.00	3773130.00	0.05234
442880.00	3773130.00	0.06890	442980.00	3773130.00	0.09303
443080.00	3773130.00	0.12653	443180.00	3773130.00	0.17194
443280.00	3773130.00	0.22676	443380.00	3773130.00	0.28488
443480.00	3773130.00	0.34058	443580.00	3773130.00	0.35235
443680.00	3773130.00	0.34808	443780.00	3773130.00	0.32242
443880.00	3773130.00	0.28682	443980.00	3773130.00	0.24315
444080.00	3773130.00	0.20301	442380.00	3773230.00	0.02185
442480.00	3773230.00	0.02566	442580.00	3773230.00	0.03054

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0004702 , L0004703 , L0004704 , L0004705 ,
L0004706 ,
L0004707 , L0004708 , L0004709 , L0004710 , L0004711 , L0004712 , L0004713 ,
L0004714 ,
L0004715 , L0004716 , L0004717 , L0004718 , L0004719 , L0004720 , L0004721 ,
L0004722 ,
L0004723 , L0004724 , L0004725 , L0004726 , L0004727 , L0004728 ,
L0004729 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.03704	442780.00	3773230.00	0.04550
442880.00	3773230.00	0.05669	442980.00	3773230.00	0.07132
443080.00	3773230.00	0.08916	443180.00	3773230.00	0.11135
443280.00	3773230.00	0.13637	443380.00	3773230.00	0.16240
443480.00	3773230.00	0.18177	443580.00	3773230.00	0.19536
443680.00	3773230.00	0.20269	443780.00	3773230.00	0.20201
443880.00	3773230.00	0.19190	443980.00	3773230.00	0.17619
444080.00	3773230.00	0.15813			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.58715	442330.00	3771880.00	0.63843
442430.00	3771880.00	0.69463	442530.00	3771880.00	0.75539
442630.00	3771880.00	0.82061	442730.00	3771880.00	0.88917
442830.00	3771880.00	0.95834	442930.00	3771880.00	1.02588
443030.00	3771880.00	1.08886	443130.00	3771880.00	1.14180
443230.00	3771880.00	1.18037	443330.00	3771880.00	1.20119
443430.00	3771880.00	1.20186	443530.00	3771880.00	1.18208
443630.00	3771880.00	1.14399	443730.00	3771880.00	1.09025
443830.00	3771880.00	1.02843	443930.00	3771880.00	0.96056
444030.00	3771880.00	0.88984	444130.00	3771880.00	0.82211
444230.00	3771880.00	0.75693	444330.00	3771880.00	0.69493
442230.00	3771980.00	0.63027	442330.00	3771980.00	0.69091
442430.00	3771980.00	0.75854	442530.00	3771980.00	0.83347
442630.00	3771980.00	0.91532	442730.00	3771980.00	1.00400
442830.00	3771980.00	1.09552	442930.00	3771980.00	1.18842
443030.00	3771980.00	1.27563	443130.00	3771980.00	1.35107
443230.00	3771980.00	1.40658	443330.00	3771980.00	1.43850
443430.00	3771980.00	1.44095	443530.00	3771980.00	1.41361
443630.00	3771980.00	1.35470	443730.00	3771980.00	1.27883
443830.00	3771980.00	1.19351	443930.00	3771980.00	1.10100
444030.00	3771980.00	1.00721	444130.00	3771980.00	0.91729
444230.00	3771980.00	0.83344	444330.00	3771980.00	0.76118
442230.00	3772080.00	0.67520	442330.00	3772080.00	0.74656
442430.00	3772080.00	0.82790	442530.00	3772080.00	0.92016
442630.00	3772080.00	1.02363	442730.00	3772080.00	1.13810
442830.00	3772080.00	1.26163	442930.00	3772080.00	1.38976
443030.00	3772080.00	1.51576	443130.00	3772080.00	1.62679
443230.00	3772080.00	1.71214	443330.00	3772080.00	1.76060
443430.00	3772080.00	1.76363	443530.00	3772080.00	1.72454
443630.00	3772080.00	1.63564	443730.00	3772080.00	1.52297
443830.00	3772080.00	1.40008	443930.00	3772080.00	1.27027
444030.00	3772080.00	1.14482	444130.00	3772080.00	1.02907
444230.00	3772080.00	0.92547	444330.00	3772080.00	0.83358
442230.00	3772180.00	0.72101	442330.00	3772180.00	0.80441
442430.00	3772180.00	0.90163	442530.00	3772180.00	1.01452
442630.00	3772180.00	1.14523	442730.00	3772180.00	1.29478
442830.00	3772180.00	1.46261	442930.00	3772180.00	1.64314
443030.00	3772180.00	1.82795	443130.00	3772180.00	2.00089
443230.00	3772180.00	2.13985	443330.00	3772180.00	2.22295
443430.00	3772180.00	2.22606	443530.00	3772180.00	2.15415

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.01936	443730.00	3772180.00	1.85090
443830.00	3772180.00	1.66200	443930.00	3772180.00	1.47893
444030.00	3772180.00	1.30195	444130.00	3772180.00	1.15576
444230.00	3772180.00	1.02404	444330.00	3772180.00	0.91178
442230.00	3772280.00	0.76623	442330.00	3772280.00	0.86281
442430.00	3772280.00	0.97777	442530.00	3772280.00	1.11517
442630.00	3772280.00	1.27938	442730.00	3772280.00	1.47409
442830.00	3772280.00	1.70276	442930.00	3772280.00	1.96324
443030.00	3772280.00	2.24605	443130.00	3772280.00	2.52485
443230.00	3772280.00	2.75810	443330.00	3772280.00	2.90025
443430.00	3772280.00	2.90971	443530.00	3772280.00	2.78429
443630.00	3772280.00	2.56034	443730.00	3772280.00	2.28046
443830.00	3772280.00	1.99768	443930.00	3772280.00	1.73159
444030.00	3772280.00	1.49639	444130.00	3772280.00	1.29801
444230.00	3772280.00	1.13167	444330.00	3772280.00	0.99545
442230.00	3772380.00	0.80893	442330.00	3772380.00	0.91932
442430.00	3772380.00	1.05318	442530.00	3772380.00	1.21780
442630.00	3772380.00	1.42190	442730.00	3772380.00	1.67419
442830.00	3772380.00	1.98646	442930.00	3772380.00	2.36728
443030.00	3772380.00	2.81106	443130.00	3772380.00	3.28678
443230.00	3772380.00	3.71985	443330.00	3772380.00	3.98911
443430.00	3772380.00	4.00905	443530.00	3772380.00	3.76828
443630.00	3772380.00	3.35397	443730.00	3772380.00	2.87353
443830.00	3772380.00	2.42518	443930.00	3772380.00	2.03737
444030.00	3772380.00	1.71405	444130.00	3772380.00	1.45739
444230.00	3772380.00	1.24917	444330.00	3772380.00	1.08370
442230.00	3772480.00	0.82831	442330.00	3772480.00	0.97074
442430.00	3772480.00	1.12396	442530.00	3772480.00	1.31772
442630.00	3772480.00	1.56616	442730.00	3772480.00	1.88782
442830.00	3772480.00	2.30947	442930.00	3772480.00	2.86483
443030.00	3772480.00	3.57486	443130.00	3772480.00	4.43395
443230.00	3772480.00	5.30773	443330.00	3772480.00	5.91101
443430.00	3772480.00	5.95907	443530.00	3772480.00	5.42023
443630.00	3772480.00	4.57364	443730.00	3772480.00	3.70033
443830.00	3772480.00	2.97375	443930.00	3772480.00	2.39536
444030.00	3772480.00	1.95688	444130.00	3772480.00	1.62835
444230.00	3772480.00	1.37347	444330.00	3772480.00	1.17506
442230.00	3772580.00	0.74860	442330.00	3772580.00	0.88473
442430.00	3772580.00	1.11424	442530.00	3772580.00	1.33942
442630.00	3772580.00	1.69854	442730.00	3772580.00	2.09468

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.64709	442930.00	3772580.00	3.43976
443030.00	3772580.00	4.58728	443130.00	3772580.00	6.20722
443230.00	3772580.00	8.20263	443330.00	3772580.00	9.84531
443430.00	3772580.00	9.99657	443530.00	3772580.00	8.54289
443630.00	3772580.00	6.55486	443730.00	3772580.00	4.85224
443830.00	3772580.00	3.63514	443930.00	3772580.00	2.81398
444030.00	3772580.00	2.22924	444130.00	3772580.00	1.81175
444230.00	3772580.00	1.50553	444330.00	3772580.00	1.27165
442230.00	3772680.00	0.72747	442330.00	3772680.00	0.87604
442430.00	3772680.00	1.08116	442530.00	3772680.00	1.37756
442630.00	3772680.00	1.74149	442730.00	3772680.00	2.24334
442830.00	3772680.00	2.95403	443630.00	3772680.00	9.83563
443730.00	3772680.00	6.37375	443830.00	3772680.00	4.46522
443930.00	3772680.00	3.28225	444030.00	3772680.00	2.51895
444130.00	3772680.00	2.00457	444230.00	3772680.00	1.63812
444330.00	3772680.00	1.36676	442230.00	3772780.00	0.67174
442330.00	3772780.00	0.80900	442430.00	3772780.00	1.01110
442530.00	3772780.00	1.26352	442630.00	3772780.00	1.62463
442730.00	3772780.00	2.08917	442830.00	3772780.00	2.95145
443130.00	3772780.00	12.18567	443630.00	3772780.00	15.17977
443730.00	3772780.00	8.35090	443830.00	3772780.00	5.34414
443930.00	3772780.00	3.76487	444030.00	3772780.00	2.81083
444130.00	3772780.00	2.19196	444230.00	3772780.00	1.76518
444330.00	3772780.00	1.45848	442230.00	3772880.00	0.61279
442330.00	3772880.00	0.73437	442430.00	3772880.00	0.86704
442530.00	3772880.00	1.11067	442630.00	3772880.00	1.41724
442730.00	3772880.00	1.90571	442830.00	3772880.00	2.69121
442930.00	3772880.00	3.94594	443030.00	3772880.00	7.04254
443130.00	3772880.00	13.32550	443530.00	3772880.00	68.19488
443630.00	3772880.00	19.55611	443730.00	3772880.00	9.79650
443830.00	3772880.00	6.02174	443930.00	3772880.00	4.12870
444030.00	3772880.00	3.03262	444130.00	3772880.00	2.33643
444230.00	3772880.00	1.86425	444330.00	3772880.00	1.52957
442230.00	3772980.00	0.55276	442330.00	3772980.00	0.65047
442430.00	3772980.00	0.77712	442530.00	3772980.00	0.96096
442630.00	3772980.00	1.22509	442730.00	3772980.00	1.57478
442830.00	3772980.00	2.30472	442930.00	3772980.00	3.38339
443030.00	3772980.00	5.36394	443130.00	3772980.00	9.79073
443230.00	3772980.00	19.78512	443330.00	3772980.00	35.44865
443430.00	3772980.00	39.32542	443530.00	3772980.00	26.88951

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	15.07955	443730.00	3772980.00	8.98943
443830.00	3772980.00	5.86549	443930.00	3772980.00	4.12822
444030.00	3772980.00	3.07068	444130.00	3772980.00	2.38009
444230.00	3772980.00	1.90453	444330.00	3772980.00	1.56374
442230.00	3773080.00	0.50009	442330.00	3773080.00	0.58019
442430.00	3773080.00	0.68283	442530.00	3773080.00	0.84037
442630.00	3773080.00	1.04611	442730.00	3773080.00	1.39976
442830.00	3773080.00	1.86662	442930.00	3773080.00	2.77854
443030.00	3773080.00	4.01536	443130.00	3773080.00	6.05394
443230.00	3773080.00	9.45842	443330.00	3773080.00	13.75732
443430.00	3773080.00	15.00702	443530.00	3773080.00	12.64942
443630.00	3773080.00	9.41114	443730.00	3773080.00	6.79589
443830.00	3773080.00	4.96695	443930.00	3773080.00	3.72867
444030.00	3773080.00	2.88350	444130.00	3773080.00	2.29018
444230.00	3773080.00	1.86154	444330.00	3773080.00	1.54392
442230.00	3773180.00	0.44233	442330.00	3773180.00	0.50820
442430.00	3773180.00	0.60010	442530.00	3773180.00	0.72055
442630.00	3773180.00	0.88675	442730.00	3773180.00	1.14103
442830.00	3773180.00	1.49646	442930.00	3773180.00	1.98354
443030.00	3773180.00	2.77348	443130.00	3773180.00	3.91846
443230.00	3773180.00	5.43127	443330.00	3773180.00	6.92188
443430.00	3773180.00	7.63847	443530.00	3773180.00	6.56095
443630.00	3773180.00	5.85439	443730.00	3773180.00	4.88332
443830.00	3773180.00	3.91803	443930.00	3773180.00	3.14487
444030.00	3773180.00	2.54930	444130.00	3773180.00	2.09447
444230.00	3773180.00	1.74412	444330.00	3773180.00	1.47191
442230.00	3773280.00	0.39492	442330.00	3773280.00	0.45380
442430.00	3773280.00	0.52774	442530.00	3773280.00	0.61847
442630.00	3773280.00	0.75679	442730.00	3773280.00	0.93420
442830.00	3773280.00	1.17912	442930.00	3773280.00	1.55214
443030.00	3773280.00	1.94840	443130.00	3773280.00	2.61816
443230.00	3773280.00	3.39010	443330.00	3773280.00	4.12529
443430.00	3773280.00	4.35296	443530.00	3773280.00	4.05256
443630.00	3773280.00	3.72683	443730.00	3773280.00	3.34426
443830.00	3773280.00	3.05883	443930.00	3773280.00	2.61559
444030.00	3773280.00	2.18017	444130.00	3773280.00	1.85190
444230.00	3773280.00	1.58238	444330.00	3773280.00	1.36275
442230.00	3773380.00	0.34702	442330.00	3773380.00	0.39763
442430.00	3773380.00	0.45770	442530.00	3773380.00	0.53012
442630.00	3773380.00	0.61637	442730.00	3773380.00	0.77259

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.93006	442930.00	3773380.00	1.15338
443030.00	3773380.00	1.46991	443130.00	3773380.00	1.83020
443230.00	3773380.00	2.24458	443330.00	3773380.00	2.67928
443430.00	3773380.00	3.29542	443530.00	3773380.00	2.67711
443630.00	3773380.00	2.52474	443730.00	3773380.00	2.39857
443830.00	3773380.00	2.25289	443930.00	3773380.00	2.09804
444030.00	3773380.00	1.89172	444130.00	3773380.00	1.62417
444230.00	3773380.00	1.40868	444330.00	3773380.00	1.23707
442230.00	3773480.00	0.31294	442330.00	3773480.00	0.35267
442430.00	3773480.00	0.39584	442530.00	3773480.00	0.45930
442630.00	3773480.00	0.52561	442730.00	3773480.00	0.63893
442830.00	3773480.00	0.74452	442930.00	3773480.00	0.90088
443030.00	3773480.00	1.09409	443130.00	3773480.00	1.34867
443230.00	3773480.00	1.56424	443330.00	3773480.00	1.78627
443430.00	3773480.00	1.71631	443530.00	3773480.00	1.74685
443630.00	3773480.00	1.74219	443730.00	3773480.00	1.63654
443830.00	3773480.00	1.66929	443930.00	3773480.00	1.58231
444030.00	3773480.00	1.50986	444130.00	3773480.00	1.42148
444230.00	3773480.00	1.29296	444330.00	3773480.00	1.17617
442230.00	3773580.00	0.27606	442330.00	3773580.00	0.31022
442430.00	3773580.00	0.34744	442530.00	3773580.00	0.39172
442630.00	3773580.00	0.44071	442730.00	3773580.00	0.51564
442830.00	3773580.00	0.60502	442930.00	3773580.00	0.71791
443030.00	3773580.00	0.86817	443130.00	3773580.00	1.00752
443230.00	3773580.00	1.11850	443330.00	3773580.00	1.18293
443430.00	3773580.00	1.25658	443530.00	3773580.00	1.27871
443630.00	3773580.00	1.23722	443730.00	3773580.00	1.18421
443830.00	3773580.00	1.21140	443930.00	3773580.00	1.18057
444030.00	3773580.00	1.16869	444130.00	3773580.00	1.16819
444230.00	3773580.00	1.10911	444330.00	3773580.00	1.03045
442380.00	3772130.00	0.81837	442480.00	3772130.00	0.91373
442580.00	3772130.00	1.02287	442680.00	3772130.00	1.14652
442780.00	3772130.00	1.28445	442880.00	3772130.00	1.43295
442980.00	3772130.00	1.58509	443080.00	3772130.00	1.73200
443180.00	3772130.00	1.85759	443280.00	3772130.00	1.94490
443380.00	3772130.00	1.97839	443480.00	3772130.00	1.95216
443580.00	3772130.00	1.86981	443680.00	3772130.00	1.74816
443780.00	3772130.00	1.59841	443880.00	3772130.00	1.44289
443980.00	3772130.00	1.29248	444080.00	3772130.00	1.15266
442380.00	3772230.00	0.88444	442480.00	3772230.00	0.99935

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.13480	442680.00	3772230.00	1.29326
442780.00	3772230.00	1.47630	442880.00	3772230.00	1.68197
442980.00	3772230.00	1.90505	443080.00	3772230.00	2.13104
443180.00	3772230.00	2.33388	443280.00	3772230.00	2.48303
443380.00	3772230.00	2.54185	443480.00	3772230.00	2.49409
443580.00	3772230.00	2.35882	443680.00	3772230.00	2.16300
443780.00	3772230.00	1.93335	443880.00	3772230.00	1.70521
443980.00	3772230.00	1.49311	444080.00	3772230.00	1.30191
442380.00	3772330.00	0.95071	442480.00	3772330.00	1.08760
442580.00	3772330.00	1.25380	442680.00	3772330.00	1.45548
442780.00	3772330.00	1.69934	442880.00	3772330.00	1.99078
442980.00	3772330.00	2.32684	443080.00	3772330.00	2.68929
443180.00	3772330.00	3.03341	443280.00	3772330.00	3.30016
443380.00	3772330.00	3.40573	443480.00	3772330.00	3.32596
443580.00	3772330.00	3.08076	443680.00	3772330.00	2.73688
443780.00	3772330.00	2.37066	443880.00	3772330.00	2.02859
443980.00	3772330.00	1.73622	444080.00	3772330.00	1.48220
442380.00	3772430.00	1.01367	442480.00	3772430.00	1.17398
442580.00	3772430.00	1.37500	442680.00	3772430.00	1.62862
442780.00	3772430.00	1.95119	442880.00	3772430.00	2.36096
442980.00	3772430.00	2.87191	443080.00	3772430.00	3.47718
443180.00	3772430.00	4.11613	443280.00	3772430.00	4.64330
443380.00	3772430.00	4.87101	443480.00	3772430.00	4.70211
443580.00	3772430.00	4.20865	443680.00	3772430.00	3.56590
443780.00	3772430.00	2.95510	443880.00	3772430.00	2.43584
443980.00	3772430.00	2.00492	444080.00	3772430.00	1.67649
442380.00	3772530.00	1.02073	442480.00	3772530.00	1.23708
442580.00	3772530.00	1.49014	442680.00	3772530.00	1.80125
442780.00	3772530.00	2.21808	442880.00	3772530.00	2.78612
442980.00	3772530.00	3.56376	443080.00	3772530.00	4.60452
443180.00	3772530.00	5.87313	443280.00	3772530.00	7.08581
443380.00	3772530.00	7.67183	443480.00	3772530.00	7.24162
443580.00	3772530.00	6.08803	443680.00	3772530.00	4.80297
443780.00	3772530.00	3.72852	443880.00	3772530.00	2.91738
443980.00	3772530.00	2.32458	444080.00	3772530.00	1.89045
442380.00	3772630.00	0.96015	442480.00	3772630.00	1.20280
442580.00	3772630.00	1.51890	442680.00	3772630.00	1.93811
442780.00	3772630.00	2.46813	443680.00	3772630.00	6.64630
443780.00	3772630.00	4.69735	443880.00	3772630.00	3.49487
443980.00	3772630.00	2.68211	444080.00	3772630.00	2.11990

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.92382	442480.00	3772730.00	1.15367
442580.00	3772730.00	1.41780	442680.00	3772730.00	1.80930
442780.00	3772730.00	2.54450	443680.00	3772730.00	9.27532
443780.00	3772730.00	5.93999	443880.00	3772730.00	4.12400
443980.00	3772730.00	3.05483	444080.00	3772730.00	2.35861
442380.00	3772830.00	0.84165	442480.00	3772830.00	1.05551
442580.00	3772830.00	1.30666	442680.00	3772830.00	1.70640
442780.00	3772830.00	2.33374	443080.00	3772830.00	9.43554
443180.00	3772830.00	20.62984	443580.00	3772830.00	28.99683
443680.00	3772830.00	12.55275	443780.00	3772830.00	7.18175
443880.00	3772830.00	4.74004	443980.00	3772830.00	3.39494
444080.00	3772830.00	2.57061	442380.00	3772930.00	0.75510
442480.00	3772930.00	0.90439	442580.00	3772930.00	1.18082
442680.00	3772930.00	1.49136	442780.00	3772930.00	2.12727
442880.00	3772930.00	3.01604	442980.00	3772930.00	4.58612
443080.00	3772930.00	8.11758	443180.00	3772930.00	17.99908
443280.00	3772930.00	49.49293	443380.00	3772930.00	86.09382
443480.00	3772930.00	66.98470	443580.00	3772930.00	27.19465
443680.00	3772930.00	12.91930	443780.00	3772930.00	7.54788
443880.00	3772930.00	4.98768	443980.00	3772930.00	3.56518
444080.00	3772930.00	2.69046	442380.00	3773030.00	0.66563
442480.00	3773030.00	0.81803	442580.00	3773030.00	1.02380
442680.00	3773030.00	1.30337	442780.00	3773030.00	1.66227
442880.00	3773030.00	2.51680	442980.00	3773030.00	3.73574
443080.00	3773030.00	5.90267	443180.00	3773030.00	10.22433
443280.00	3773030.00	17.42830	443380.00	3773030.00	22.96726
443480.00	3773030.00	20.89791	443580.00	3773030.00	14.72325
443680.00	3773030.00	9.69528	443780.00	3773030.00	6.54225
443880.00	3773030.00	4.63137	443980.00	3773030.00	3.43524
444080.00	3773030.00	2.64631	442380.00	3773130.00	0.58808
442480.00	3773130.00	0.71319	442580.00	3773130.00	0.87724
442680.00	3773130.00	1.10370	442780.00	3773130.00	1.47228
442880.00	3773130.00	1.94860	442980.00	3773130.00	2.78435
443080.00	3773130.00	4.02583	443180.00	3773130.00	5.99092
443280.00	3773130.00	8.20324	443380.00	3773130.00	10.40539
443480.00	3773130.00	10.25975	443580.00	3773130.00	8.47322
443680.00	3773130.00	6.58965	443780.00	3773130.00	5.04961
443880.00	3773130.00	3.90010	443980.00	3773130.00	3.05791
444080.00	3773130.00	2.44486	442380.00	3773230.00	0.52155
442480.00	3773230.00	0.62635	442580.00	3773230.00	0.74159

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.92229	442780.00	3773230.00	1.14104
442880.00	3773230.00	1.47322	442980.00	3773230.00	2.02798
443080.00	3773230.00	2.69383	443180.00	3773230.00	3.76374
443280.00	3773230.00	4.75779	443380.00	3773230.00	5.64183
443480.00	3773230.00	5.29628	443580.00	3773230.00	4.79145
443680.00	3773230.00	4.35957	443780.00	3773230.00	3.80841
443880.00	3773230.00	3.14196	443980.00	3773230.00	2.59424
444080.00	3773230.00	2.15876			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01630	442330.00	3771880.00	0.01798
442430.00	3771880.00	0.01989	442530.00	3771880.00	0.02199
442630.00	3771880.00	0.02426	442730.00	3771880.00	0.02660
442830.00	3771880.00	0.02884	442930.00	3771880.00	0.03075
443030.00	3771880.00	0.03208	443130.00	3771880.00	0.03263
443230.00	3771880.00	0.03226	443330.00	3771880.00	0.03100
443430.00	3771880.00	0.02903	443530.00	3771880.00	0.02667
443630.00	3771880.00	0.02422	443730.00	3771880.00	0.02188
443830.00	3771880.00	0.01978	443930.00	3771880.00	0.01795
444030.00	3771880.00	0.01639	444130.00	3771880.00	0.01507
444230.00	3771880.00	0.01396	444330.00	3771880.00	0.01301
442230.00	3771980.00	0.01807	442330.00	3771980.00	0.02029
442430.00	3771980.00	0.02290	442530.00	3771980.00	0.02591
442630.00	3771980.00	0.02932	442730.00	3771980.00	0.03300
442830.00	3771980.00	0.03671	442930.00	3771980.00	0.04001
443030.00	3771980.00	0.04237	443130.00	3771980.00	0.04332
443230.00	3771980.00	0.04262	443330.00	3771980.00	0.04034
443430.00	3771980.00	0.03696	443530.00	3771980.00	0.03312
443630.00	3771980.00	0.02935	443730.00	3771980.00	0.02596
443830.00	3771980.00	0.02306	443930.00	3771980.00	0.02066
444030.00	3771980.00	0.01869	444130.00	3771980.00	0.01707
444230.00	3771980.00	0.01573	444330.00	3771980.00	0.01463
442230.00	3772080.00	0.02004	442330.00	3772080.00	0.02293
442430.00	3772080.00	0.02650	442530.00	3772080.00	0.03085
442630.00	3772080.00	0.03605	442730.00	3772080.00	0.04204
442830.00	3772080.00	0.04848	442930.00	3772080.00	0.05460
443030.00	3772080.00	0.05918	443130.00	3772080.00	0.06106
443230.00	3772080.00	0.05959	443330.00	3772080.00	0.05513
443430.00	3772080.00	0.04894	443530.00	3772080.00	0.04239
443630.00	3772080.00	0.03644	443730.00	3772080.00	0.03146
443830.00	3772080.00	0.02746	443930.00	3772080.00	0.02432
444030.00	3772080.00	0.02184	444130.00	3772080.00	0.01985
444230.00	3772080.00	0.01822	444330.00	3772080.00	0.01687
442230.00	3772180.00	0.02214	442330.00	3772180.00	0.02588
442430.00	3772180.00	0.03071	442530.00	3772180.00	0.03696
442630.00	3772180.00	0.04497	442730.00	3772180.00	0.05499
442830.00	3772180.00	0.06676	442930.00	3772180.00	0.07907
443030.00	3772180.00	0.08906	443130.00	3772180.00	0.09324
443230.00	3772180.00	0.08981	443330.00	3772180.00	0.08014
443430.00	3772180.00	0.06790	443530.00	3772180.00	0.05623

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.04666	443730.00	3772180.00	0.03933
443830.00	3772180.00	0.03385	443930.00	3772180.00	0.02971
444030.00	3772180.00	0.02649	444130.00	3772180.00	0.02394
444230.00	3772180.00	0.02184	444330.00	3772180.00	0.02008
442230.00	3772280.00	0.02421	442330.00	3772280.00	0.02899
442430.00	3772280.00	0.03541	442530.00	3772280.00	0.04423
442630.00	3772280.00	0.05649	442730.00	3772280.00	0.07352
442830.00	3772280.00	0.09616	442930.00	3772280.00	0.12318
443030.00	3772280.00	0.14809	443130.00	3772280.00	0.15947
443230.00	3772280.00	0.15019	443330.00	3772280.00	0.12619
443430.00	3772280.00	0.09972	443530.00	3772280.00	0.07817
443630.00	3772280.00	0.06269	443730.00	3772280.00	0.05189
443830.00	3772280.00	0.04413	443930.00	3772280.00	0.03834
444030.00	3772280.00	0.03383	444130.00	3772280.00	0.03021
444230.00	3772280.00	0.02722	444330.00	3772280.00	0.02472
442230.00	3772380.00	0.02573	442330.00	3772380.00	0.03167
442430.00	3772380.00	0.03958	442530.00	3772380.00	0.05143
442630.00	3772380.00	0.07049	442730.00	3772380.00	0.09910
442830.00	3772380.00	0.14362	442930.00	3772380.00	0.20866
443030.00	3772380.00	0.28398	443130.00	3772380.00	0.32464
443230.00	3772380.00	0.29187	443330.00	3772380.00	0.22000
443430.00	3772380.00	0.15815	443530.00	3772380.00	0.11762
443630.00	3772380.00	0.09184	443730.00	3772380.00	0.07454
443830.00	3772380.00	0.06212	443930.00	3772380.00	0.05278
444030.00	3772380.00	0.04554	444130.00	3772380.00	0.03977
444230.00	3772380.00	0.03510	444330.00	3772380.00	0.03127
442230.00	3772480.00	0.02687	442330.00	3772480.00	0.03339
442430.00	3772480.00	0.04298	442530.00	3772480.00	0.05843
442630.00	3772480.00	0.08534	442730.00	3772480.00	0.13038
442830.00	3772480.00	0.21525	442930.00	3772480.00	0.38167
443030.00	3772480.00	0.67544	443130.00	3772480.00	0.90556
443230.00	3772480.00	0.72484	443330.00	3772480.00	0.44794
443430.00	3772480.00	0.28980	443530.00	3772480.00	0.20380
443630.00	3772480.00	0.15154	443730.00	3772480.00	0.11720
443830.00	3772480.00	0.09327	443930.00	3772480.00	0.07608
444030.00	3772480.00	0.06329	444130.00	3772480.00	0.05355
444230.00	3772480.00	0.04599	444330.00	3772480.00	0.04002
442230.00	3772580.00	0.02747	442330.00	3772580.00	0.03447
442430.00	3772580.00	0.04534	442530.00	3772580.00	0.06247
442630.00	3772580.00	0.09330	442730.00	3772580.00	0.15319

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.28825	442930.00	3772580.00	0.69011
443030.00	3772580.00	2.17378	443130.00	3772580.00	5.60933
443230.00	3772580.00	2.97107	443330.00	3772580.00	1.21937
443430.00	3772580.00	0.64466	443530.00	3772580.00	0.39382
443630.00	3772580.00	0.26336	443730.00	3772580.00	0.18801
443830.00	3772580.00	0.14074	443930.00	3772580.00	0.10909
444030.00	3772580.00	0.08719	444130.00	3772580.00	0.07138
444230.00	3772580.00	0.05963	444330.00	3772580.00	0.05071
442230.00	3772680.00	0.02804	442330.00	3772680.00	0.03536
442430.00	3772680.00	0.04672	442530.00	3772680.00	0.06536
442630.00	3772680.00	0.09859	442730.00	3772680.00	0.16516
442830.00	3772680.00	0.32786	443630.00	3772680.00	0.40853
443730.00	3772680.00	0.27494	443830.00	3772680.00	0.19598
443930.00	3772680.00	0.14677	444030.00	3772680.00	0.11398
444130.00	3772680.00	0.09108	444230.00	3772680.00	0.07457
444330.00	3772680.00	0.06233	442230.00	3772780.00	0.02822
442330.00	3772780.00	0.03545	442430.00	3772780.00	0.04661
442530.00	3772780.00	0.06466	442630.00	3772780.00	0.09666
442730.00	3772780.00	0.15815	442830.00	3772780.00	0.29958
443130.00	3772780.00	6.21849	443630.00	3772780.00	0.49696
443730.00	3772780.00	0.33522	443830.00	3772780.00	0.23900
443930.00	3772780.00	0.17756	444030.00	3772780.00	0.13677
444130.00	3772780.00	0.10842	444230.00	3772780.00	0.08807
444330.00	3772780.00	0.07300	442230.00	3772880.00	0.02808
442330.00	3772880.00	0.03502	442430.00	3772880.00	0.04522
442530.00	3772880.00	0.06158	442630.00	3772880.00	0.08859
442730.00	3772880.00	0.13709	442830.00	3772880.00	0.23012
442930.00	3772880.00	0.41109	443030.00	3772880.00	0.75102
443130.00	3772880.00	1.16908	443530.00	3772880.00	0.66436
443630.00	3772880.00	0.46627	443730.00	3772880.00	0.33542
443830.00	3772880.00	0.24855	443930.00	3772880.00	0.18957
444030.00	3772880.00	0.14837	444130.00	3772880.00	0.11881
444230.00	3772880.00	0.09709	444330.00	3772880.00	0.08072
442230.00	3772980.00	0.02758	442330.00	3772980.00	0.03395
442430.00	3772980.00	0.04307	442530.00	3772980.00	0.05668
442630.00	3772980.00	0.07754	442730.00	3772980.00	0.10980
442830.00	3772980.00	0.16147	442930.00	3772980.00	0.23645
443030.00	3772980.00	0.33639	443130.00	3772980.00	0.44633
443230.00	3772980.00	0.53069	443330.00	3772980.00	0.56422
443430.00	3772980.00	0.52905	443530.00	3772980.00	0.44790

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	0.36039	443730.00	3772980.00	0.28537
443830.00	3772980.00	0.22575	443930.00	3772980.00	0.18054
444030.00	3772980.00	0.14609	444130.00	3772980.00	0.11986
444230.00	3772980.00	0.09969	444330.00	3772980.00	0.08397
442230.00	3773080.00	0.02676	442330.00	3773080.00	0.03234
442430.00	3773080.00	0.03994	442530.00	3773080.00	0.05054
442630.00	3773080.00	0.06521	442730.00	3773080.00	0.08574
442830.00	3773080.00	0.11244	442930.00	3773080.00	0.14686
443030.00	3773080.00	0.18659	443130.00	3773080.00	0.22834
443230.00	3773080.00	0.26407	443330.00	3773080.00	0.28739
443430.00	3773080.00	0.29422	443530.00	3773080.00	0.27988
443630.00	3773080.00	0.25180	443730.00	3773080.00	0.21862
443830.00	3773080.00	0.18643	443930.00	3773080.00	0.15746
444030.00	3773080.00	0.13283	444130.00	3773080.00	0.11261
444230.00	3773080.00	0.09610	444330.00	3773080.00	0.08259
442230.00	3773180.00	0.02556	442330.00	3773180.00	0.03022
442430.00	3773180.00	0.03623	442530.00	3773180.00	0.04396
442630.00	3773180.00	0.05380	442730.00	3773180.00	0.06610
442830.00	3773180.00	0.08067	442930.00	3773180.00	0.09760
443030.00	3773180.00	0.11748	443130.00	3773180.00	0.13799
443230.00	3773180.00	0.15589	443330.00	3773180.00	0.16900
443430.00	3773180.00	0.17640	443530.00	3773180.00	0.17552
443630.00	3773180.00	0.17030	443730.00	3773180.00	0.15887
443830.00	3773180.00	0.14424	443930.00	3773180.00	0.12884
444030.00	3773180.00	0.11367	444130.00	3773180.00	0.10020
444230.00	3773180.00	0.08799	444330.00	3773180.00	0.07746
442230.00	3773280.00	0.02410	442330.00	3773280.00	0.02785
442430.00	3773280.00	0.03239	442530.00	3773280.00	0.03785
442630.00	3773280.00	0.04439	442730.00	3773280.00	0.05181
442830.00	3773280.00	0.06027	442930.00	3773280.00	0.07028
443030.00	3773280.00	0.08111	443130.00	3773280.00	0.09266
443230.00	3773280.00	0.10273	443330.00	3773280.00	0.11061
443430.00	3773280.00	0.11549	443530.00	3773280.00	0.11752
443630.00	3773280.00	0.11754	443730.00	3773280.00	0.11455
443830.00	3773280.00	0.10985	443930.00	3773280.00	0.10225
444030.00	3773280.00	0.09399	444130.00	3773280.00	0.08584
444230.00	3773280.00	0.07764	444330.00	3773280.00	0.07005
442230.00	3773380.00	0.02243	442330.00	3773380.00	0.02536
442430.00	3773380.00	0.02874	442530.00	3773380.00	0.03258
442630.00	3773380.00	0.03679	442730.00	3773380.00	0.04164

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.04694	442930.00	3773380.00	0.05315
443030.00	3773380.00	0.06008	443130.00	3773380.00	0.06699
443230.00	3773380.00	0.07324	443330.00	3773380.00	0.07823
443430.00	3773380.00	0.08277	443530.00	3773380.00	0.08341
443630.00	3773380.00	0.08455	443730.00	3773380.00	0.08461
443830.00	3773380.00	0.08322	443930.00	3773380.00	0.08040
444030.00	3773380.00	0.07626	444130.00	3773380.00	0.07173
444230.00	3773380.00	0.06675	444330.00	3773380.00	0.06173
442230.00	3773480.00	0.02076	442330.00	3773480.00	0.02301
442430.00	3773480.00	0.02548	442530.00	3773480.00	0.02820
442630.00	3773480.00	0.03105	442730.00	3773480.00	0.03432
442830.00	3773480.00	0.03793	442930.00	3773480.00	0.04212
443030.00	3773480.00	0.04661	443130.00	3773480.00	0.05122
443230.00	3773480.00	0.05530	443330.00	3773480.00	0.05862
443430.00	3773480.00	0.06054	443530.00	3773480.00	0.06224
443630.00	3773480.00	0.06352	443730.00	3773480.00	0.06407
443830.00	3773480.00	0.06432	443930.00	3773480.00	0.06343
444030.00	3773480.00	0.06183	444130.00	3773480.00	0.05954
444230.00	3773480.00	0.05668	444330.00	3773480.00	0.05355
442230.00	3773580.00	0.01912	442330.00	3773580.00	0.02085
442430.00	3773580.00	0.02267	442530.00	3773580.00	0.02457
442630.00	3773580.00	0.02658	442730.00	3773580.00	0.02891
442830.00	3773580.00	0.03157	442930.00	3773580.00	0.03452
443030.00	3773580.00	0.03768	443130.00	3773580.00	0.04078
443230.00	3773580.00	0.04358	443330.00	3773580.00	0.04580
443430.00	3773580.00	0.04753	443530.00	3773580.00	0.04878
443630.00	3773580.00	0.04966	443730.00	3773580.00	0.05030
443830.00	3773580.00	0.05087	443930.00	3773580.00	0.05085
444030.00	3773580.00	0.05039	444130.00	3773580.00	0.04955
444230.00	3773580.00	0.04810	444330.00	3773580.00	0.04619
442380.00	3772130.00	0.02633	442480.00	3772130.00	0.03099
442580.00	3772130.00	0.03682	442680.00	3772130.00	0.04392
442780.00	3772130.00	0.05217	442880.00	3772130.00	0.06097
442980.00	3772130.00	0.06889	443080.00	3772130.00	0.07380
443180.00	3772130.00	0.07409	443280.00	3772130.00	0.06955
443380.00	3772130.00	0.06171	443480.00	3772130.00	0.05284
443580.00	3772130.00	0.04464	443680.00	3772130.00	0.03784
443780.00	3772130.00	0.03251	443880.00	3772130.00	0.02841
443980.00	3772130.00	0.02524	444080.00	3772130.00	0.02274
442380.00	3772230.00	0.03002	442480.00	3772230.00	0.03647

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.04507	442680.00	3772230.00	0.05650
442780.00	3772230.00	0.07121	442880.00	3772230.00	0.08874
442980.00	3772230.00	0.10623	443080.00	3772230.00	0.11803
443180.00	3772230.00	0.11867	443280.00	3772230.00	0.10770
443380.00	3772230.00	0.09052	443480.00	3772230.00	0.07333
443580.00	3772230.00	0.05929	443680.00	3772230.00	0.04886
443780.00	3772230.00	0.04131	443880.00	3772230.00	0.03573
443980.00	3772230.00	0.03150	444080.00	3772230.00	0.02815
442380.00	3772330.00	0.03373	442480.00	3772330.00	0.04251
442580.00	3772330.00	0.05501	442680.00	3772330.00	0.07329
442780.00	3772330.00	0.09996	442880.00	3772330.00	0.13689
442980.00	3772330.00	0.18073	443080.00	3772330.00	0.21530
443180.00	3772330.00	0.21752	443280.00	3772330.00	0.18564
443380.00	3772330.00	0.14305	443480.00	3772330.00	0.10792
443580.00	3772330.00	0.08371	443680.00	3772330.00	0.06753
443780.00	3772330.00	0.05627	443880.00	3772330.00	0.04801
443980.00	3772330.00	0.04166	444080.00	3772330.00	0.03665
442380.00	3772430.00	0.03648	442480.00	3772430.00	0.04754
442580.00	3772430.00	0.06533	442680.00	3772430.00	0.09388
442780.00	3772430.00	0.14114	442880.00	3772430.00	0.22219
442980.00	3772430.00	0.34995	443080.00	3772430.00	0.48527
443180.00	3772430.00	0.49616	443280.00	3772430.00	0.37234
443380.00	3772430.00	0.25109	443480.00	3772430.00	0.17648
443580.00	3772430.00	0.13204	443680.00	3772430.00	0.10344
443780.00	3772430.00	0.08353	443880.00	3772430.00	0.06899
443980.00	3772430.00	0.05809	444080.00	3772430.00	0.04963
442380.00	3772530.00	0.03859	442480.00	3772530.00	0.05146
442580.00	3772530.00	0.07327	442680.00	3772530.00	0.11239
442780.00	3772530.00	0.19058	442880.00	3772530.00	0.35978
442980.00	3772530.00	0.77777	443080.00	3772530.00	1.62933
443180.00	3772530.00	1.74909	443280.00	3772530.00	0.96284
443380.00	3772530.00	0.54050	443480.00	3772530.00	0.34344
443580.00	3772530.00	0.23645	443680.00	3772530.00	0.17202
443780.00	3772530.00	0.13044	443880.00	3772530.00	0.10228
443980.00	3772530.00	0.08238	444080.00	3772530.00	0.06786
442380.00	3772630.00	0.03982	442480.00	3772630.00	0.05390
442580.00	3772630.00	0.07786	442680.00	3772630.00	0.12244
442780.00	3772630.00	0.21805	443680.00	3772630.00	0.27675
443780.00	3772630.00	0.19650	443880.00	3772630.00	0.14599
443980.00	3772630.00	0.11292	444080.00	3772630.00	0.09011

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.04038	442480.00	3772730.00	0.05469
442580.00	3772730.00	0.07857	442680.00	3772730.00	0.12357
442780.00	3772730.00	0.22364	443680.00	3772730.00	0.37826
443780.00	3772730.00	0.26017	443880.00	3772730.00	0.18923
443980.00	3772730.00	0.14322	444080.00	3772730.00	0.11221
442380.00	3772830.00	0.04005	442480.00	3772830.00	0.05360
442580.00	3772830.00	0.07574	442680.00	3772830.00	0.11581
442780.00	3772830.00	0.19583	443080.00	3772830.00	1.80115
443180.00	3772830.00	2.65052	443580.00	3772830.00	0.60970
443680.00	3772830.00	0.40984	443780.00	3772830.00	0.29053
443880.00	3772830.00	0.21410	443980.00	3772830.00	0.16339
444080.00	3772830.00	0.12828	442380.00	3772930.00	0.03895
442480.00	3772930.00	0.05089	442580.00	3772930.00	0.07002
442680.00	3772930.00	0.10068	442780.00	3772930.00	0.15431
442880.00	3772930.00	0.24472	442980.00	3772930.00	0.38881
443080.00	3772930.00	0.58322	443180.00	3772930.00	0.76886
443280.00	3772930.00	0.85196	443380.00	3772930.00	0.78883
443480.00	3772930.00	0.63349	443580.00	3772930.00	0.48101
443680.00	3772930.00	0.36179	443780.00	3772930.00	0.27443
443880.00	3772930.00	0.21183	443980.00	3772930.00	0.16670
444080.00	3772930.00	0.13369	442380.00	3773030.00	0.03703
442480.00	3773030.00	0.04717	442580.00	3773030.00	0.06182
442680.00	3773030.00	0.08319	442780.00	3773030.00	0.11364
442880.00	3773030.00	0.15783	442980.00	3773030.00	0.21337
443080.00	3773030.00	0.27877	443180.00	3773030.00	0.34094
443280.00	3773030.00	0.38288	443380.00	3773030.00	0.39723
443480.00	3773030.00	0.37732	443580.00	3773030.00	0.33007
443680.00	3773030.00	0.27768	443780.00	3773030.00	0.22876
443880.00	3773030.00	0.18772	443980.00	3773030.00	0.15444
444080.00	3773030.00	0.12818	442380.00	3773130.00	0.03449
442480.00	3773130.00	0.04241	442580.00	3773130.00	0.05293
442680.00	3773130.00	0.06678	442780.00	3773130.00	0.08467
442880.00	3773130.00	0.10597	442980.00	3773130.00	0.13185
443080.00	3773130.00	0.16058	443180.00	3773130.00	0.18844
443280.00	3773130.00	0.20900	443380.00	3773130.00	0.22255
443480.00	3773130.00	0.22874	443580.00	3773130.00	0.21542
443680.00	3773130.00	0.19751	443780.00	3773130.00	0.17574
443880.00	3773130.00	0.15439	443980.00	3773130.00	0.13336
444080.00	3773130.00	0.11496	442380.00	3773230.00	0.03155
442480.00	3773230.00	0.03747	442580.00	3773230.00	0.04466

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0004655 , L0004656 , L0004657 , L0004658 ,
L0004659 ,
L0004660 , L0004661 , L0004662 , L0004663 , L0004664 , L0004665 , L0004666 ,
L0004667 ,
L0004668 , L0004669 , L0004670 , L0004671 , L0004672 , L0004673 , L0004674 ,
L0004675 ,
L0004676 , L0004677 , L0004678 , L0004679 , L0004680 , L0004681 ,
L0004682 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.05345	442780.00	3773230.00	0.06350
442880.00	3773230.00	0.07524	442980.00	3773230.00	0.08934
443080.00	3773230.00	0.10427	443180.00	3773230.00	0.11902
443280.00	3773230.00	0.13045	443380.00	3773230.00	0.13888
443480.00	3773230.00	0.14202	443580.00	3773230.00	0.14191
443680.00	3773230.00	0.13833	443780.00	3773230.00	0.13102
443880.00	3773230.00	0.12065	443980.00	3773230.00	0.10940
444080.00	3773230.00	0.09846			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01870	442330.00	3771880.00	0.02053
442430.00	3771880.00	0.02248	442530.00	3771880.00	0.02448
442630.00	3771880.00	0.02638	442730.00	3771880.00	0.02800
442830.00	3771880.00	0.02914	442930.00	3771880.00	0.02964
443030.00	3771880.00	0.02939	443130.00	3771880.00	0.02838
443230.00	3771880.00	0.02676	443330.00	3771880.00	0.02477
443430.00	3771880.00	0.02266	443530.00	3771880.00	0.02061
443630.00	3771880.00	0.01875	443730.00	3771880.00	0.01709
443830.00	3771880.00	0.01566	443930.00	3771880.00	0.01444
444030.00	3771880.00	0.01340	444130.00	3771880.00	0.01251
444230.00	3771880.00	0.01175	444330.00	3771880.00	0.01108
442230.00	3771980.00	0.02144	442330.00	3771980.00	0.02405
442430.00	3771980.00	0.02695	442530.00	3771980.00	0.03005
442630.00	3771980.00	0.03315	442730.00	3771980.00	0.03589
442830.00	3771980.00	0.03788	442930.00	3771980.00	0.03872
443030.00	3771980.00	0.03823	443130.00	3771980.00	0.03644
443230.00	3771980.00	0.03369	443330.00	3771980.00	0.03048
443430.00	3771980.00	0.02727	443530.00	3771980.00	0.02431
443630.00	3771980.00	0.02174	443730.00	3771980.00	0.01956
443830.00	3771980.00	0.01776	443930.00	3771980.00	0.01627
444030.00	3771980.00	0.01501	444130.00	3771980.00	0.01396
444230.00	3771980.00	0.01306	444330.00	3771980.00	0.01231
442230.00	3772080.00	0.02473	442330.00	3772080.00	0.02847
442430.00	3772080.00	0.03286	442530.00	3772080.00	0.03784
442630.00	3772080.00	0.04312	442730.00	3772080.00	0.04810
442830.00	3772080.00	0.05185	442930.00	3772080.00	0.05348
443030.00	3772080.00	0.05247	443130.00	3772080.00	0.04903
443230.00	3772080.00	0.04406	443330.00	3772080.00	0.03865
443430.00	3772080.00	0.03359	443530.00	3772080.00	0.02925
443630.00	3772080.00	0.02569	443730.00	3772080.00	0.02284
443830.00	3772080.00	0.02057	443930.00	3772080.00	0.01872
444030.00	3772080.00	0.01721	444130.00	3772080.00	0.01594
444230.00	3772080.00	0.01487	444330.00	3772080.00	0.01396
442230.00	3772180.00	0.02860	442330.00	3772180.00	0.03395
442430.00	3772180.00	0.04067	442530.00	3772180.00	0.04888
442630.00	3772180.00	0.05835	442730.00	3772180.00	0.06809
442830.00	3772180.00	0.07602	442930.00	3772180.00	0.07961
443030.00	3772180.00	0.07733	443130.00	3772180.00	0.07001
443230.00	3772180.00	0.06029	443330.00	3772180.00	0.05070
443430.00	3772180.00	0.04259	443530.00	3772180.00	0.03619

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.03129	443730.00	3772180.00	0.02753
443830.00	3772180.00	0.02461	443930.00	3772180.00	0.02227
444030.00	3772180.00	0.02034	444130.00	3772180.00	0.01875
444230.00	3772180.00	0.01739	444330.00	3772180.00	0.01622
442230.00	3772280.00	0.03298	442330.00	3772280.00	0.04056
442430.00	3772280.00	0.05081	442530.00	3772280.00	0.06456
442630.00	3772280.00	0.08232	442730.00	3772280.00	0.10318
442830.00	3772280.00	0.12240	442930.00	3772280.00	0.13181
443030.00	3772280.00	0.12575	443130.00	3772280.00	0.10790
443230.00	3772280.00	0.08717	443330.00	3772280.00	0.06951
443430.00	3772280.00	0.05635	443530.00	3772280.00	0.04689
443630.00	3772280.00	0.04001	443730.00	3772280.00	0.03485
443830.00	3772280.00	0.03084	443930.00	3772280.00	0.02764
444030.00	3772280.00	0.02500	444130.00	3772280.00	0.02280
444230.00	3772280.00	0.02093	444330.00	3772280.00	0.01933
442230.00	3772380.00	0.03753	442330.00	3772380.00	0.04803
442430.00	3772380.00	0.06327	442530.00	3772380.00	0.08614
442630.00	3772380.00	0.12053	442730.00	3772380.00	0.16918
442830.00	3772380.00	0.22478	442930.00	3772380.00	0.25718
443030.00	3772380.00	0.23669	443130.00	3772380.00	0.18380
443230.00	3772380.00	0.13545	443330.00	3772380.00	0.10223
443430.00	3772380.00	0.08039	443530.00	3772380.00	0.06553
443630.00	3772380.00	0.05489	443730.00	3772380.00	0.04693
443830.00	3772380.00	0.04075	443930.00	3772380.00	0.03584
444030.00	3772380.00	0.03185	444130.00	3772380.00	0.02856
444230.00	3772380.00	0.02582	444330.00	3772380.00	0.02350
442230.00	3772480.00	0.04134	442330.00	3772480.00	0.05484
442430.00	3772480.00	0.07620	442530.00	3772480.00	0.11321
442630.00	3772480.00	0.17862	442730.00	3772480.00	0.29798
442830.00	3772480.00	0.50062	442930.00	3772480.00	0.67818
443030.00	3772480.00	0.56953	443130.00	3772480.00	0.36366
443230.00	3772480.00	0.24002	443330.00	3772480.00	0.17058
443430.00	3772480.00	0.12813	443530.00	3772480.00	0.10020
443630.00	3772480.00	0.08073	443730.00	3772480.00	0.06661
443830.00	3772480.00	0.05600	443930.00	3772480.00	0.04788
444030.00	3772480.00	0.04151	444130.00	3772480.00	0.03641
444230.00	3772480.00	0.03228	444330.00	3772480.00	0.02890
442230.00	3772580.00	0.04359	442330.00	3772580.00	0.05946
442430.00	3772580.00	0.08725	442530.00	3772580.00	0.13751
442630.00	3772580.00	0.24587	442730.00	3772580.00	0.51754

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	1.41927	442930.00	3772580.00	3.96052
443030.00	3772580.00	2.37725	443130.00	3772580.00	0.95488
443230.00	3772580.00	0.51178	443330.00	3772580.00	0.31966
443430.00	3772580.00	0.21899	443530.00	3772580.00	0.15948
443630.00	3772580.00	0.12134	443730.00	3772580.00	0.09562
443830.00	3772580.00	0.07742	443930.00	3772580.00	0.06405
444030.00	3772580.00	0.05404	444130.00	3772580.00	0.04633
444230.00	3772580.00	0.04026	444330.00	3772580.00	0.03543
442230.00	3772680.00	0.04535	442330.00	3772680.00	0.06290
442430.00	3772680.00	0.09433	442530.00	3772680.00	0.15666
442630.00	3772680.00	0.30072	442730.00	3772680.00	0.73517
442830.00	3772680.00	3.14877	443630.00	3772680.00	0.17341
443730.00	3772680.00	0.13159	443830.00	3772680.00	0.10298
443930.00	3772680.00	0.08304	444030.00	3772680.00	0.06852
444130.00	3772680.00	0.05761	444230.00	3772680.00	0.04925
444330.00	3772680.00	0.04271	442230.00	3772780.00	0.04584
442330.00	3772780.00	0.06340	442430.00	3772780.00	0.09479
442530.00	3772780.00	0.15648	442630.00	3772780.00	0.30042
442730.00	3772780.00	0.72557	442830.00	3772780.00	3.13129
443130.00	3772780.00	2.82021	443630.00	3772780.00	0.22165
443730.00	3772780.00	0.16532	443830.00	3772780.00	0.12776
443930.00	3772780.00	0.10151	444030.00	3772780.00	0.08270
444130.00	3772780.00	0.06876	444230.00	3772780.00	0.05818
444330.00	3772780.00	0.04998	442230.00	3772880.00	0.04529
442330.00	3772880.00	0.06184	442430.00	3772880.00	0.08956
442530.00	3772880.00	0.14203	442630.00	3772880.00	0.24957
442730.00	3772880.00	0.51215	442830.00	3772880.00	1.32247
442930.00	3772880.00	3.42551	443030.00	3772880.00	3.58332
443130.00	3772880.00	2.00507	443530.00	3772880.00	0.33842
443630.00	3772880.00	0.24627	443730.00	3772880.00	0.18561
443830.00	3772880.00	0.14417	443930.00	3772880.00	0.11494
444030.00	3772880.00	0.09368	444130.00	3772880.00	0.07781
444230.00	3772880.00	0.06571	444330.00	3772880.00	0.05628
442230.00	3772980.00	0.04362	442330.00	3772980.00	0.05803
442430.00	3772980.00	0.08093	442530.00	3772980.00	0.11936
442630.00	3772980.00	0.18642	442730.00	3772980.00	0.30381
442830.00	3772980.00	0.50684	442930.00	3772980.00	0.76254
443030.00	3772980.00	0.93874	443130.00	3772980.00	0.90785
443230.00	3772980.00	0.73033	443330.00	3772980.00	0.55172
443430.00	3772980.00	0.41212	443530.00	3772980.00	0.31045

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	0.23805	443730.00	3772980.00	0.18573
443830.00	3772980.00	0.14799	443930.00	3772980.00	0.12012
444030.00	3772980.00	0.09910	444130.00	3772980.00	0.08303
444230.00	3772980.00	0.07053	444330.00	3772980.00	0.06065
442230.00	3773080.00	0.04102	442330.00	3773080.00	0.05269
442430.00	3773080.00	0.06968	442530.00	3773080.00	0.09506
442630.00	3773080.00	0.13187	442730.00	3773080.00	0.18418
442830.00	3773080.00	0.25031	442930.00	3773080.00	0.32635
443030.00	3773080.00	0.38389	443130.00	3773080.00	0.41200
443230.00	3773080.00	0.40259	443330.00	3773080.00	0.35946
443430.00	3773080.00	0.30440	443530.00	3773080.00	0.25111
443630.00	3773080.00	0.20566	443730.00	3773080.00	0.16883
443830.00	3773080.00	0.13972	443930.00	3773080.00	0.11663
444030.00	3773080.00	0.09825	444130.00	3773080.00	0.08368
444230.00	3773080.00	0.07200	444330.00	3773080.00	0.06253
442230.00	3773180.00	0.03761	442330.00	3773180.00	0.04644
442430.00	3773180.00	0.05828	442530.00	3773180.00	0.07384
442630.00	3773180.00	0.09359	442730.00	3773180.00	0.11804
442830.00	3773180.00	0.14696	442930.00	3773180.00	0.17717
443030.00	3773180.00	0.20319	443130.00	3773180.00	0.22075
443230.00	3773180.00	0.22920	443330.00	3773180.00	0.22542
443430.00	3773180.00	0.20980	443530.00	3773180.00	0.18716
443630.00	3773180.00	0.16438	443730.00	3773180.00	0.14248
443830.00	3773180.00	0.12298	443930.00	3773180.00	0.10626
444030.00	3773180.00	0.09202	444130.00	3773180.00	0.08018
444230.00	3773180.00	0.07019	444330.00	3773180.00	0.06185
442230.00	3773280.00	0.03390	442330.00	3773280.00	0.04033
442430.00	3773280.00	0.04823	442530.00	3773280.00	0.05761
442630.00	3773280.00	0.06873	442730.00	3773280.00	0.08166
442830.00	3773280.00	0.09659	442930.00	3773280.00	0.11242
443030.00	3773280.00	0.12542	443130.00	3773280.00	0.13581
443230.00	3773280.00	0.14259	443330.00	3773280.00	0.14577
443430.00	3773280.00	0.14327	443530.00	3773280.00	0.13579
443630.00	3773280.00	0.12593	443730.00	3773280.00	0.11461
443830.00	3773280.00	0.10367	443930.00	3773280.00	0.09262
444030.00	3773280.00	0.08263	444130.00	3773280.00	0.07379
444230.00	3773280.00	0.06591	444330.00	3773280.00	0.05905
442230.00	3773380.00	0.03018	442330.00	3773380.00	0.03475
442430.00	3773380.00	0.03997	442530.00	3773380.00	0.04578
442630.00	3773380.00	0.05229	442730.00	3773380.00	0.06028

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.06884	442930.00	3773380.00	0.07775
443030.00	3773380.00	0.08593	443130.00	3773380.00	0.09213
443230.00	3773380.00	0.09666	443330.00	3773380.00	0.09981
443430.00	3773380.00	0.10212	443530.00	3773380.00	0.09892
443630.00	3773380.00	0.09544	443730.00	3773380.00	0.09053
443830.00	3773380.00	0.08466	443930.00	3773380.00	0.07832
444030.00	3773380.00	0.07182	444130.00	3773380.00	0.06581
444230.00	3773380.00	0.06006	444330.00	3773380.00	0.05480
442230.00	3773480.00	0.02683	442330.00	3773480.00	0.03003
442430.00	3773480.00	0.03347	442530.00	3773480.00	0.03732
442630.00	3773480.00	0.04160	442730.00	3773480.00	0.04676
442830.00	3773480.00	0.05212	442930.00	3773480.00	0.05773
443030.00	3773480.00	0.06289	443130.00	3773480.00	0.06715
443230.00	3773480.00	0.07012	443330.00	3773480.00	0.07238
443430.00	3773480.00	0.07318	443530.00	3773480.00	0.07362
443630.00	3773480.00	0.07300	443730.00	3773480.00	0.07106
443830.00	3773480.00	0.06858	443930.00	3773480.00	0.06513
444030.00	3773480.00	0.06139	444130.00	3773480.00	0.05748
444230.00	3773480.00	0.05353	444330.00	3773480.00	0.04971
442230.00	3773580.00	0.02384	442330.00	3773580.00	0.02610
442430.00	3773580.00	0.02849	442530.00	3773580.00	0.03113
442630.00	3773580.00	0.03413	442730.00	3773580.00	0.03760
442830.00	3773580.00	0.04129	442930.00	3773580.00	0.04505
443030.00	3773580.00	0.04865	443130.00	3773580.00	0.05150
443230.00	3773580.00	0.05354	443330.00	3773580.00	0.05496
443430.00	3773580.00	0.05614	443530.00	3773580.00	0.05687
443630.00	3773580.00	0.05698	443730.00	3773580.00	0.05650
443830.00	3773580.00	0.05561	443930.00	3773580.00	0.05399
444030.00	3773580.00	0.05197	444130.00	3773580.00	0.04975
444230.00	3773580.00	0.04721	444330.00	3773580.00	0.04452
442380.00	3772130.00	0.03366	442480.00	3772130.00	0.03957
442580.00	3772130.00	0.04633	442680.00	3772130.00	0.05343
442780.00	3772130.00	0.05976	442880.00	3772130.00	0.06380
442980.00	3772130.00	0.06429	443080.00	3772130.00	0.06093
443180.00	3772130.00	0.05479	443280.00	3772130.00	0.04759
443380.00	3772130.00	0.04074	443480.00	3772130.00	0.03489
443580.00	3772130.00	0.03018	443680.00	3772130.00	0.02649
443780.00	3772130.00	0.02359	443880.00	3772130.00	0.02129
443980.00	3772130.00	0.01943	444080.00	3772130.00	0.01789
442380.00	3772230.00	0.04101	442480.00	3772230.00	0.05044

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.06223	442680.00	3772230.00	0.07598
442780.00	3772230.00	0.08963	442880.00	3772230.00	0.09912
442980.00	3772230.00	0.10022	443080.00	3772230.00	0.09229
443180.00	3772230.00	0.07903	443280.00	3772230.00	0.06518
443380.00	3772230.00	0.05347	443480.00	3772230.00	0.04448
443580.00	3772230.00	0.03779	443680.00	3772230.00	0.03278
443780.00	3772230.00	0.02896	443880.00	3772230.00	0.02595
443980.00	3772230.00	0.02350	444080.00	3772230.00	0.02147
442380.00	3772330.00	0.04995	442480.00	3772330.00	0.06493
442580.00	3772330.00	0.08600	442680.00	3772330.00	0.11438
442780.00	3772330.00	0.14748	442880.00	3772330.00	0.17404
442980.00	3772330.00	0.17745	443080.00	3772330.00	0.15495
443180.00	3772330.00	0.12252	443280.00	3772330.00	0.09436
443380.00	3772330.00	0.07412	443480.00	3772330.00	0.06014
443580.00	3772330.00	0.05028	443680.00	3772330.00	0.04306
443780.00	3772330.00	0.03753	443880.00	3772330.00	0.03317
443980.00	3772330.00	0.02964	444080.00	3772330.00	0.02671
442380.00	3772430.00	0.05965	442480.00	3772430.00	0.08285
442580.00	3772430.00	0.12024	442680.00	3772430.00	0.18096
442780.00	3772430.00	0.27271	442880.00	3772430.00	0.37193
442980.00	3772430.00	0.38871	443080.00	3772430.00	0.30217
443180.00	3772430.00	0.20987	443280.00	3772430.00	0.15006
443380.00	3772430.00	0.11322	443480.00	3772430.00	0.08922
443580.00	3772430.00	0.07260	443680.00	3772430.00	0.06053
443780.00	3772430.00	0.05138	443880.00	3772430.00	0.04429
443980.00	3772430.00	0.03869	444080.00	3772430.00	0.03416
442380.00	3772530.00	0.06816	442480.00	3772530.00	0.10062
442580.00	3772530.00	0.16253	442680.00	3772530.00	0.28790
442780.00	3772530.00	0.56865	442880.00	3772530.00	1.14270
442980.00	3772530.00	1.32853	443080.00	3772530.00	0.75983
443180.00	3772530.00	0.43513	443280.00	3772530.00	0.28009
443380.00	3772530.00	0.19562	443480.00	3772530.00	0.14471
443580.00	3772530.00	0.11157	443680.00	3772530.00	0.08878
443780.00	3772530.00	0.07243	443880.00	3772530.00	0.06036
443980.00	3772530.00	0.05121	444080.00	3772530.00	0.04411
442380.00	3772630.00	0.07382	442480.00	3772630.00	0.11451
442580.00	3772630.00	0.19864	442680.00	3772630.00	0.40429
442780.00	3772630.00	1.10293	443680.00	3772630.00	0.12825
443780.00	3772630.00	0.10059	443880.00	3772630.00	0.08094
443980.00	3772630.00	0.06678	444080.00	3772630.00	0.05620

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.07652	442480.00	3772730.00	0.12045
442580.00	3772730.00	0.21229	442680.00	3772730.00	0.45538
442780.00	3772730.00	1.43840	443680.00	3772730.00	0.17195
443780.00	3772730.00	0.13105	443880.00	3772730.00	0.10330
443980.00	3772730.00	0.08353	444080.00	3772730.00	0.06912
442380.00	3772830.00	0.07551	442480.00	3772830.00	0.11654
442580.00	3772830.00	0.19928	442680.00	3772830.00	0.40217
442780.00	3772830.00	1.08113	443080.00	3772830.00	4.05260
443180.00	3772830.00	1.79270	443580.00	3772830.00	0.28014
443680.00	3772830.00	0.20460	443780.00	3772830.00	0.15566
443880.00	3772830.00	0.12199	443980.00	3772830.00	0.09815
444080.00	3772830.00	0.08069	442380.00	3772930.00	0.07130
442480.00	3772930.00	0.10485	442580.00	3772930.00	0.16784
442680.00	3772930.00	0.29028	442780.00	3772930.00	0.56049
442880.00	3772930.00	1.09059	442980.00	3772930.00	1.64544
443080.00	3772930.00	1.60423	443180.00	3772930.00	1.15014
443280.00	3772930.00	0.78442	443380.00	3772930.00	0.54309
443480.00	3772930.00	0.38676	443580.00	3772930.00	0.28389
443680.00	3772930.00	0.21453	443780.00	3772930.00	0.16634
443880.00	3772930.00	0.13210	443980.00	3772930.00	0.10716
444080.00	3772930.00	0.08854	442380.00	3773030.00	0.06438
442480.00	3773030.00	0.08961	442580.00	3773030.00	0.12960
442680.00	3773030.00	0.19242	442780.00	3773030.00	0.28423
442880.00	3773030.00	0.41250	442980.00	3773030.00	0.53184
443080.00	3773030.00	0.59854	443180.00	3773030.00	0.58163
443280.00	3773030.00	0.49857	443380.00	3773030.00	0.40291
443480.00	3773030.00	0.31884	443580.00	3773030.00	0.25131
443680.00	3773030.00	0.19997	443780.00	3773030.00	0.16099
443880.00	3773030.00	0.13148	443980.00	3773030.00	0.10876
444080.00	3773030.00	0.09124	442380.00	3773130.00	0.05615
442480.00	3773130.00	0.07319	442580.00	3773130.00	0.09660
442680.00	3773130.00	0.12744	442780.00	3773130.00	0.16683
442880.00	3773130.00	0.21161	442980.00	3773130.00	0.25540
443080.00	3773130.00	0.28606	443180.00	3773130.00	0.30160
443280.00	3773130.00	0.29486	443380.00	3773130.00	0.27027
443480.00	3773130.00	0.23738	443580.00	3773130.00	0.20155
443680.00	3773130.00	0.17018	443780.00	3773130.00	0.14350
443880.00	3773130.00	0.12176	443980.00	3773130.00	0.10355
444080.00	3773130.00	0.08872	442380.00	3773230.00	0.04792
442480.00	3773230.00	0.05894	442580.00	3773230.00	0.07219

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0004584 , L0004585 , L0004586 , L0004587 ,
L0004588 ,
L0004589 , L0004590 , L0004591 , L0004592 , L0004593 , L0004594 , L0004595 ,
L0004596 ,
L0004597 , L0004598 , L0004599 , L0004600 , L0004601 , L0004602 , L0004603 ,
L0004604 ,
L0004605 , L0004606 , L0004607 , L0004608 , L0004609 , L0004610 ,
L0004611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.08825	442780.00	3773230.00	0.10685
442880.00	3773230.00	0.12801	442980.00	3773230.00	0.14897
443080.00	3773230.00	0.16447	443180.00	3773230.00	0.17567
443280.00	3773230.00	0.18022	443380.00	3773230.00	0.17772
443480.00	3773230.00	0.16655	443580.00	3773230.00	0.15194
443680.00	3773230.00	0.13631	443780.00	3773230.00	0.12090
443880.00	3773230.00	0.10634	443980.00	3773230.00	0.09344
444080.00	3773230.00	0.08227			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01451	442330.00	3771880.00	0.01585
442430.00	3771880.00	0.01733	442530.00	3771880.00	0.01893
442630.00	3771880.00	0.02063	442730.00	3771880.00	0.02236
442830.00	3771880.00	0.02402	442930.00	3771880.00	0.02552
443030.00	3771880.00	0.02674	443130.00	3771880.00	0.02756
443230.00	3771880.00	0.02792	443330.00	3771880.00	0.02776
443430.00	3771880.00	0.02710	443530.00	3771880.00	0.02599
443630.00	3771880.00	0.02452	443730.00	3771880.00	0.02282
443830.00	3771880.00	0.02103	443930.00	3771880.00	0.01928
444030.00	3771880.00	0.01764	444130.00	3771880.00	0.01618
444230.00	3771880.00	0.01490	444330.00	3771880.00	0.01379
442230.00	3771980.00	0.01604	442330.00	3771980.00	0.01779
442430.00	3771980.00	0.01980	442530.00	3771980.00	0.02205
442630.00	3771980.00	0.02452	442730.00	3771980.00	0.02710
442830.00	3771980.00	0.02966	442930.00	3771980.00	0.03200
443030.00	3771980.00	0.03393	443130.00	3771980.00	0.03526
443230.00	3771980.00	0.03586	443330.00	3771980.00	0.03563
443430.00	3771980.00	0.03460	443530.00	3771980.00	0.03284
443630.00	3771980.00	0.03054	443730.00	3771980.00	0.02794
443830.00	3771980.00	0.02527	443930.00	3771980.00	0.02276
444030.00	3771980.00	0.02051	444130.00	3771980.00	0.01857
444230.00	3771980.00	0.01692	444330.00	3771980.00	0.01556
442230.00	3772080.00	0.01776	442330.00	3772080.00	0.02008
442430.00	3772080.00	0.02284	442530.00	3772080.00	0.02608
442630.00	3772080.00	0.02978	442730.00	3772080.00	0.03380
442830.00	3772080.00	0.03790	442930.00	3772080.00	0.04175
443030.00	3772080.00	0.04497	443130.00	3772080.00	0.04724
443230.00	3772080.00	0.04831	443330.00	3772080.00	0.04802
443430.00	3772080.00	0.04635	443530.00	3772080.00	0.04342
443630.00	3772080.00	0.03964	443730.00	3772080.00	0.03543
443830.00	3772080.00	0.03129	443930.00	3772080.00	0.02757
444030.00	3772080.00	0.02440	444130.00	3772080.00	0.02179
444230.00	3772080.00	0.01967	444330.00	3772080.00	0.01794
442230.00	3772180.00	0.01963	442330.00	3772180.00	0.02271
442430.00	3772180.00	0.02654	442530.00	3772180.00	0.03131
442630.00	3772180.00	0.03706	442730.00	3772180.00	0.04366
442830.00	3772180.00	0.05065	442930.00	3772180.00	0.05738
443030.00	3772180.00	0.06309	443130.00	3772180.00	0.06718
443230.00	3772180.00	0.06925	443330.00	3772180.00	0.06899
443430.00	3772180.00	0.06625	443530.00	3772180.00	0.06115

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.05440	443730.00	3772180.00	0.04710
443830.00	3772180.00	0.04032	443930.00	3772180.00	0.03459
444030.00	3772180.00	0.03001	444130.00	3772180.00	0.02643
444230.00	3772180.00	0.02360	444330.00	3772180.00	0.02135
442230.00	3772280.00	0.02161	442330.00	3772280.00	0.02567
442430.00	3772280.00	0.03100	442530.00	3772280.00	0.03807
442630.00	3772280.00	0.04735	442730.00	3772280.00	0.05903
442830.00	3772280.00	0.07206	442930.00	3772280.00	0.08480
443030.00	3772280.00	0.09561	443130.00	3772280.00	0.10355
443230.00	3772280.00	0.10812	443330.00	3772280.00	0.10860
443430.00	3772280.00	0.10408	443530.00	3772280.00	0.09433
443630.00	3772280.00	0.08094	443730.00	3772280.00	0.06698
443830.00	3772280.00	0.05492	443930.00	3772280.00	0.04564
444030.00	3772280.00	0.03875	444130.00	3772280.00	0.03358
444230.00	3772280.00	0.02960	444330.00	3772280.00	0.02645
442230.00	3772380.00	0.02353	442330.00	3772380.00	0.02878
442430.00	3772380.00	0.03600	442530.00	3772380.00	0.04664
442630.00	3772380.00	0.06261	442730.00	3772380.00	0.08520
442830.00	3772380.00	0.11292	442930.00	3772380.00	0.14033
443030.00	3772380.00	0.16318	443130.00	3772380.00	0.18009
443230.00	3772380.00	0.19138	443330.00	3772380.00	0.19632
443430.00	3772380.00	0.18972	443530.00	3772380.00	0.16844
443630.00	3772380.00	0.13662	443730.00	3772380.00	0.10511
443830.00	3772380.00	0.08123	443930.00	3772380.00	0.06488
444030.00	3772380.00	0.05354	444130.00	3772380.00	0.04527
444230.00	3772380.00	0.03903	444330.00	3772380.00	0.03415
442230.00	3772480.00	0.02515	442330.00	3772480.00	0.03151
442430.00	3772480.00	0.04117	442530.00	3772480.00	0.05724
442630.00	3772480.00	0.08534	442730.00	3772480.00	0.13512
442830.00	3772480.00	0.21423	442930.00	3772480.00	0.28942
443030.00	3772480.00	0.35076	443130.00	3772480.00	0.39450
443230.00	3772480.00	0.42642	443330.00	3772480.00	0.45775
443430.00	3772480.00	0.45447	443530.00	3772480.00	0.39680
443630.00	3772480.00	0.28967	443730.00	3772480.00	0.19278
443830.00	3772480.00	0.13541	443930.00	3772480.00	0.10146
444030.00	3772480.00	0.07952	444130.00	3772480.00	0.06439
444230.00	3772480.00	0.05352	444330.00	3772480.00	0.04541
442230.00	3772580.00	0.02616	442330.00	3772580.00	0.03348
442430.00	3772580.00	0.04569	442530.00	3772580.00	0.06703
442630.00	3772580.00	0.11258	442730.00	3772580.00	0.23492

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.77390	442930.00	3772580.00	1.28833
443030.00	3772580.00	1.62414	443130.00	3772580.00	1.95523
443230.00	3772580.00	1.83099	443330.00	3772580.00	2.20472
443430.00	3772580.00	2.30505	443530.00	3772580.00	2.04632
443630.00	3772580.00	1.07193	443730.00	3772580.00	0.43892
443830.00	3772580.00	0.25143	443930.00	3772580.00	0.16704
444030.00	3772580.00	0.12103	444130.00	3772580.00	0.09261
444230.00	3772580.00	0.07365	444330.00	3772580.00	0.06037
442230.00	3772680.00	0.02699	442330.00	3772680.00	0.03501
442430.00	3772680.00	0.04875	442530.00	3772680.00	0.07511
442630.00	3772680.00	0.13671	442730.00	3772680.00	0.35250
442830.00	3772680.00	2.30054	443630.00	3772680.00	3.41929
443730.00	3772680.00	0.83832	443830.00	3772680.00	0.40992
443930.00	3772680.00	0.25089	444030.00	3772680.00	0.17198
444130.00	3772680.00	0.12622	444230.00	3772680.00	0.09721
444330.00	3772680.00	0.07760	442230.00	3772780.00	0.02729
442330.00	3772780.00	0.03532	442430.00	3772780.00	0.04905
442530.00	3772780.00	0.07526	442630.00	3772780.00	0.13729
442730.00	3772780.00	0.35037	442830.00	3772780.00	2.42059
443130.00	3772780.00	2.29357	443630.00	3772780.00	2.00653
443730.00	3772780.00	0.84874	443830.00	3772780.00	0.48147
443930.00	3772780.00	0.30669	444030.00	3772780.00	0.21199
444130.00	3772780.00	0.15513	444230.00	3772780.00	0.11855
444330.00	3772780.00	0.09368	442230.00	3772880.00	0.02716
442330.00	3772880.00	0.03481	442430.00	3772880.00	0.04703
442530.00	3772880.00	0.06937	442630.00	3772880.00	0.11474
442730.00	3772880.00	0.23346	442830.00	3772880.00	0.70880
442930.00	3772880.00	1.22725	443030.00	3772880.00	1.23698
443130.00	3772880.00	1.10000	443530.00	3772880.00	3.13818
443630.00	3772880.00	1.08710	443730.00	3772880.00	0.66216
443830.00	3772880.00	0.44379	443930.00	3772880.00	0.31018
444030.00	3772880.00	0.22543	444130.00	3772880.00	0.16977
444230.00	3772880.00	0.13181	444330.00	3772880.00	0.10498
442230.00	3772980.00	0.02658	442330.00	3772980.00	0.03339
442430.00	3772980.00	0.04377	442530.00	3772980.00	0.06054
442630.00	3772980.00	0.08904	442730.00	3772980.00	0.13830
442830.00	3772980.00	0.22171	442930.00	3772980.00	0.32461
443030.00	3772980.00	0.42023	443130.00	3772980.00	0.53856
443230.00	3772980.00	0.93674	443330.00	3772980.00	1.56256
443430.00	3772980.00	1.74268	443530.00	3772980.00	1.29920

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	0.77110	443730.00	3772980.00	0.51282
443830.00	3772980.00	0.37024	443930.00	3772980.00	0.27878
444030.00	3772980.00	0.21437	444130.00	3772980.00	0.16804
444230.00	3772980.00	0.13422	444330.00	3772980.00	0.10909
442230.00	3773080.00	0.02562	442330.00	3773080.00	0.03139
442430.00	3773080.00	0.03953	442530.00	3773080.00	0.05139
442630.00	3773080.00	0.06840	442730.00	3773080.00	0.09299
442830.00	3773080.00	0.12556	442930.00	3773080.00	0.16735
443030.00	3773080.00	0.21591	443130.00	3773080.00	0.27723
443230.00	3773080.00	0.36335	443330.00	3773080.00	0.46337
443430.00	3773080.00	0.53076	443530.00	3773080.00	0.51804
443630.00	3773080.00	0.44563	443730.00	3773080.00	0.35847
443830.00	3773080.00	0.28623	443930.00	3773080.00	0.23083
444030.00	3773080.00	0.18735	444130.00	3773080.00	0.15364
444230.00	3773080.00	0.12718	444330.00	3773080.00	0.10625
442230.00	3773180.00	0.02432	442330.00	3773180.00	0.02900
442430.00	3773180.00	0.03519	442530.00	3773180.00	0.04333
442630.00	3773180.00	0.05395	442730.00	3773180.00	0.06781
442830.00	3773180.00	0.08528	442930.00	3773180.00	0.10636
443030.00	3773180.00	0.13181	443130.00	3773180.00	0.16143
443230.00	3773180.00	0.19506	443330.00	3773180.00	0.22857
443430.00	3773180.00	0.25365	443530.00	3773180.00	0.26037
443630.00	3773180.00	0.25408	443730.00	3773180.00	0.23310
443830.00	3773180.00	0.20573	443930.00	3773180.00	0.17850
444030.00	3773180.00	0.15347	444130.00	3773180.00	0.13218
444230.00	3773180.00	0.11354	444330.00	3773180.00	0.09790
442230.00	3773280.00	0.02286	442330.00	3773280.00	0.02659
442430.00	3773280.00	0.03122	442530.00	3773280.00	0.03688
442630.00	3773280.00	0.04393	442730.00	3773280.00	0.05255
442830.00	3773280.00	0.06302	442930.00	3773280.00	0.07553
443030.00	3773280.00	0.08911	443130.00	3773280.00	0.10461
443230.00	3773280.00	0.12078	443330.00	3773280.00	0.13670
443430.00	3773280.00	0.14883	443530.00	3773280.00	0.15525
443630.00	3773280.00	0.15699	443730.00	3773280.00	0.15299
443830.00	3773280.00	0.14574	443930.00	3773280.00	0.13397
444030.00	3773280.00	0.12143	444130.00	3773280.00	0.10928
444230.00	3773280.00	0.09741	444330.00	3773280.00	0.08662
442230.00	3773380.00	0.02132	442330.00	3773380.00	0.02425
442430.00	3773380.00	0.02771	442530.00	3773380.00	0.03177
442630.00	3773380.00	0.03652	442730.00	3773380.00	0.04237

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.04898	442930.00	3773380.00	0.05653
443030.00	3773380.00	0.06485	443130.00	3773380.00	0.07352
443230.00	3773380.00	0.08246	443330.00	3773380.00	0.09124
443430.00	3773380.00	0.10003	443530.00	3773380.00	0.10280
443630.00	3773380.00	0.10536	443730.00	3773380.00	0.10585
443830.00	3773380.00	0.10402	443930.00	3773380.00	0.10011
444030.00	3773380.00	0.09437	444130.00	3773380.00	0.08819
444230.00	3773380.00	0.08138	444330.00	3773380.00	0.07458
442230.00	3773480.00	0.01984	442330.00	3773480.00	0.02213
442430.00	3773480.00	0.02471	442530.00	3773480.00	0.02771
442630.00	3773480.00	0.03109	442730.00	3773480.00	0.03511
442830.00	3773480.00	0.03947	442930.00	3773480.00	0.04435
443030.00	3773480.00	0.04954	443130.00	3773480.00	0.05503
443230.00	3773480.00	0.06041	443330.00	3773480.00	0.06569
443430.00	3773480.00	0.06963	443530.00	3773480.00	0.07313
443630.00	3773480.00	0.07555	443730.00	3773480.00	0.07656
443830.00	3773480.00	0.07697	443930.00	3773480.00	0.07581
444030.00	3773480.00	0.07375	444130.00	3773480.00	0.07081
444230.00	3773480.00	0.06714	444330.00	3773480.00	0.06311
442230.00	3773580.00	0.01841	442330.00	3773580.00	0.02021
442430.00	3773580.00	0.02218	442530.00	3773580.00	0.02439
442630.00	3773580.00	0.02685	442730.00	3773580.00	0.02965
442830.00	3773580.00	0.03271	442930.00	3773580.00	0.03602
443030.00	3773580.00	0.03957	443130.00	3773580.00	0.04313
443230.00	3773580.00	0.04661	443330.00	3773580.00	0.04987
443430.00	3773580.00	0.05290	443530.00	3773580.00	0.05536
443630.00	3773580.00	0.05707	443730.00	3773580.00	0.05816
443830.00	3773580.00	0.05895	443930.00	3773580.00	0.05891
444030.00	3773580.00	0.05833	444130.00	3773580.00	0.05732
444230.00	3773580.00	0.05556	444330.00	3773580.00	0.05323
442380.00	3772130.00	0.02288	442480.00	3772130.00	0.02647
442580.00	3772130.00	0.03074	442680.00	3772130.00	0.03561
442780.00	3772130.00	0.04087	442880.00	3772130.00	0.04612
442980.00	3772130.00	0.05084	443080.00	3772130.00	0.05453
443180.00	3772130.00	0.05681	443280.00	3772130.00	0.05741
443380.00	3772130.00	0.05619	443480.00	3772130.00	0.05316
443580.00	3772130.00	0.04867	443680.00	3772130.00	0.04332
443780.00	3772130.00	0.03788	443880.00	3772130.00	0.03292
443980.00	3772130.00	0.02872	444080.00	3772130.00	0.02532
442380.00	3772230.00	0.02626	442480.00	3772230.00	0.03139

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.03789	442680.00	3772230.00	0.04592
442780.00	3772230.00	0.05511	442880.00	3772230.00	0.06457
442980.00	3772230.00	0.07316	443080.00	3772230.00	0.07994
443180.00	3772230.00	0.08432	443280.00	3772230.00	0.08584
443380.00	3772230.00	0.08408	443480.00	3772230.00	0.07878
443580.00	3772230.00	0.07042	443680.00	3772230.00	0.06053
443780.00	3772230.00	0.05096	443880.00	3772230.00	0.04283
443980.00	3772230.00	0.03646	444080.00	3772230.00	0.03158
442380.00	3772330.00	0.03007	442480.00	3772330.00	0.03747
442580.00	3772330.00	0.04776	442680.00	3772330.00	0.06181
442780.00	3772330.00	0.07938	442880.00	3772330.00	0.09820
442980.00	3772330.00	0.11531	443080.00	3772330.00	0.12881
443180.00	3772330.00	0.13812	443280.00	3772330.00	0.14269
443380.00	3772330.00	0.14110	443480.00	3772330.00	0.13115
443580.00	3772330.00	0.11351	443680.00	3772330.00	0.09258
443780.00	3772330.00	0.07373	443880.00	3772330.00	0.05940
443980.00	3772330.00	0.04910	444080.00	3772330.00	0.04167
442380.00	3772430.00	0.03393	442480.00	3772430.00	0.04448
442580.00	3772430.00	0.06121	442680.00	3772430.00	0.08776
442780.00	3772430.00	0.12700	442880.00	3772430.00	0.17283
442980.00	3772430.00	0.21261	443080.00	3772430.00	0.24359
443180.00	3772430.00	0.26556	443280.00	3772430.00	0.28183
443380.00	3772430.00	0.28645	443480.00	3772430.00	0.26638
443580.00	3772430.00	0.22003	443680.00	3772430.00	0.16333
443780.00	3772430.00	0.11899	443880.00	3772430.00	0.09040
443980.00	3772430.00	0.07180	444080.00	3772430.00	0.05881
442380.00	3772530.00	0.03742	442480.00	3772530.00	0.05156
442580.00	3772530.00	0.07759	442680.00	3772530.00	0.13014
442780.00	3772530.00	0.25041	442880.00	3772530.00	0.44037
442980.00	3772530.00	0.56556	443080.00	3772530.00	0.67646
443180.00	3772530.00	0.74016	443280.00	3772530.00	0.80475
443380.00	3772530.00	0.87018	443480.00	3772530.00	0.82761
443580.00	3772530.00	0.64322	443680.00	3772530.00	0.37078
443780.00	3772530.00	0.22507	443880.00	3772530.00	0.15325
443980.00	3772530.00	0.11247	444080.00	3772530.00	0.08685
442380.00	3772630.00	0.03984	442480.00	3772630.00	0.05733
442580.00	3772630.00	0.09267	442680.00	3772630.00	0.18325
442780.00	3772630.00	0.61441	443680.00	3772630.00	1.09588
443780.00	3772630.00	0.44941	443880.00	3772630.00	0.25888
443980.00	3772630.00	0.17299	444080.00	3772630.00	0.12565

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 , L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 , L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 , L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 , L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.04106	442480.00	3772730.00	0.05993
442580.00	3772730.00	0.09890	442680.00	3772730.00	0.20861
442780.00	3772730.00	0.82765	443680.00	3772730.00	1.44097
443780.00	3772730.00	0.62576	443880.00	3772730.00	0.35775
443980.00	3772730.00	0.23300	444080.00	3772730.00	0.16507
442380.00	3772830.00	0.04078	442480.00	3772830.00	0.05844
442580.00	3772830.00	0.09337	442680.00	3772830.00	0.18286
442780.00	3772830.00	0.60486	443080.00	3772830.00	1.99982
443180.00	3772830.00	1.66920	443580.00	3772830.00	2.02118
443680.00	3772830.00	0.98061	443780.00	3772830.00	0.58839
443880.00	3772830.00	0.38099	443980.00	3772830.00	0.26259
444080.00	3772830.00	0.19032	442380.00	3772930.00	0.03921
442480.00	3772930.00	0.05386	442580.00	3772930.00	0.08054
442680.00	3772930.00	0.13203	442780.00	3772930.00	0.24866
442880.00	3772930.00	0.45235	442980.00	3772930.00	0.61875
443080.00	3772930.00	0.69169	443180.00	3772930.00	1.04425
443280.00	3772930.00	3.52150	443380.00	3772930.00	4.36468
443480.00	3772930.00	3.59717	443580.00	3772930.00	1.32793
443680.00	3772930.00	0.72613	443780.00	3772930.00	0.48670
443880.00	3772930.00	0.34785	443980.00	3772930.00	0.25652
444080.00	3772930.00	0.19434	442380.00	3773030.00	0.03660
442480.00	3773030.00	0.04811	442580.00	3773030.00	0.06582
442680.00	3773030.00	0.09322	442780.00	3773030.00	0.13358
442880.00	3773030.00	0.19105	442980.00	3773030.00	0.25639
443080.00	3773030.00	0.33163	443180.00	3773030.00	0.45113
443280.00	3773030.00	0.65446	443380.00	3773030.00	0.84346
443480.00	3773030.00	0.86025	443580.00	3773030.00	0.69482
443680.00	3773030.00	0.50705	443780.00	3773030.00	0.37654
443880.00	3773030.00	0.28965	443980.00	3773030.00	0.22700
444080.00	3773030.00	0.18087	442380.00	3773130.00	0.03350
442480.00	3773130.00	0.04192	442580.00	3773130.00	0.05344
442680.00	3773130.00	0.06897	442780.00	3773130.00	0.08985
442880.00	3773130.00	0.11567	442980.00	3773130.00	0.14772
443080.00	3773130.00	0.18616	443180.00	3773130.00	0.23402
443280.00	3773130.00	0.28756	443380.00	3773130.00	0.33790
443480.00	3773130.00	0.36962	443580.00	3773130.00	0.35084
443680.00	3773130.00	0.31307	443780.00	3773130.00	0.26625
443880.00	3773130.00	0.22443	443980.00	3773130.00	0.18709
444080.00	3773130.00	0.15646	442380.00	3773230.00	0.03032
442480.00	3773230.00	0.03642	442580.00	3773230.00	0.04399

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0004287 , L0004288 , L0004289 , L0004290 ,
L0004291 ,
L0004292 , L0004293 , L0004294 , L0004295 , L0004296 , L0004297 , L0004298 ,
L0004299 ,
L0004300 , L0004301 , L0004302 , L0004303 , L0004304 , L0004305 , L0004306 ,
L0004307 ,
L0004308 , L0004309 , L0004310 , L0004311 , L0004312 , L0004313 ,
L0004314 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.05366	442780.00	3773230.00	0.06552
442880.00	3773230.00	0.08015	442980.00	3773230.00	0.09785
443080.00	3773230.00	0.11748	443180.00	3773230.00	0.13999
443280.00	3773230.00	0.16265	443380.00	3773230.00	0.18347
443480.00	3773230.00	0.19486	443580.00	3773230.00	0.19834
443680.00	3773230.00	0.19377	443780.00	3773230.00	0.18159
443880.00	3773230.00	0.16416	443980.00	3773230.00	0.14591
444080.00	3773230.00	0.12877			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.00930	442330.00	3771880.00	0.00984
442430.00	3771880.00	0.01042	442530.00	3771880.00	0.01103
442630.00	3771880.00	0.01168	442730.00	3771880.00	0.01236
442830.00	3771880.00	0.01304	442930.00	3771880.00	0.01373
443030.00	3771880.00	0.01439	443130.00	3771880.00	0.01499
443230.00	3771880.00	0.01551	443330.00	3771880.00	0.01592
443430.00	3771880.00	0.01618	443530.00	3771880.00	0.01628
443630.00	3771880.00	0.01618	443730.00	3771880.00	0.01590
443830.00	3771880.00	0.01546	443930.00	3771880.00	0.01488
444030.00	3771880.00	0.01419	444130.00	3771880.00	0.01347
444230.00	3771880.00	0.01273	444330.00	3771880.00	0.01200
442230.00	3771980.00	0.00990	442330.00	3771980.00	0.01054
442430.00	3771980.00	0.01125	442530.00	3771980.00	0.01202
442630.00	3771980.00	0.01285	442730.00	3771980.00	0.01374
442830.00	3771980.00	0.01465	442930.00	3771980.00	0.01559
443030.00	3771980.00	0.01651	443130.00	3771980.00	0.01737
443230.00	3771980.00	0.01812	443330.00	3771980.00	0.01870
443430.00	3771980.00	0.01907	443530.00	3771980.00	0.01919
443630.00	3771980.00	0.01902	443730.00	3771980.00	0.01859
443830.00	3771980.00	0.01793	443930.00	3771980.00	0.01710
444030.00	3771980.00	0.01616	444130.00	3771980.00	0.01517
444230.00	3771980.00	0.01419	444330.00	3771980.00	0.01328
442230.00	3772080.00	0.01054	442330.00	3772080.00	0.01131
442430.00	3772080.00	0.01217	442530.00	3772080.00	0.01314
442630.00	3772080.00	0.01421	442730.00	3772080.00	0.01538
442830.00	3772080.00	0.01663	442930.00	3772080.00	0.01795
443030.00	3772080.00	0.01927	443130.00	3772080.00	0.02053
443230.00	3772080.00	0.02165	443330.00	3772080.00	0.02253
443430.00	3772080.00	0.02307	443530.00	3772080.00	0.02321
443630.00	3772080.00	0.02293	443730.00	3772080.00	0.02224
443830.00	3772080.00	0.02124	443930.00	3772080.00	0.02001
444030.00	3772080.00	0.01866	444130.00	3772080.00	0.01731
444230.00	3772080.00	0.01602	444330.00	3772080.00	0.01484
442230.00	3772180.00	0.01121	442330.00	3772180.00	0.01214
442430.00	3772180.00	0.01320	442530.00	3772180.00	0.01441
442630.00	3772180.00	0.01579	442730.00	3772180.00	0.01735
442830.00	3772180.00	0.01909	442930.00	3772180.00	0.02096
443030.00	3772180.00	0.02293	443130.00	3772180.00	0.02486
443230.00	3772180.00	0.02662	443330.00	3772180.00	0.02800
443430.00	3772180.00	0.02885	443530.00	3772180.00	0.02903

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	0.02852	443730.00	3772180.00	0.02740
443830.00	3772180.00	0.02580	443930.00	3772180.00	0.02392
444030.00	3772180.00	0.02194	444130.00	3772180.00	0.02005
444230.00	3772180.00	0.01831	444330.00	3772180.00	0.01677
442230.00	3772280.00	0.01191	442330.00	3772280.00	0.01301
442430.00	3772280.00	0.01430	442530.00	3772280.00	0.01582
442630.00	3772280.00	0.01761	442730.00	3772280.00	0.01970
442830.00	3772280.00	0.02213	442930.00	3772280.00	0.02489
443030.00	3772280.00	0.02789	443130.00	3772280.00	0.03098
443230.00	3772280.00	0.03387	443330.00	3772280.00	0.03621
443430.00	3772280.00	0.03763	443530.00	3772280.00	0.03789
443630.00	3772280.00	0.03694	443730.00	3772280.00	0.03497
443830.00	3772280.00	0.03231	443930.00	3772280.00	0.02933
444030.00	3772280.00	0.02637	444130.00	3772280.00	0.02365
444230.00	3772280.00	0.02127	444330.00	3772280.00	0.01924
442230.00	3772380.00	0.01258	442330.00	3772380.00	0.01390
442430.00	3772380.00	0.01544	442530.00	3772380.00	0.01733
442630.00	3772380.00	0.01967	442730.00	3772380.00	0.02249
442830.00	3772380.00	0.02593	442930.00	3772380.00	0.03004
443030.00	3772380.00	0.03479	443130.00	3772380.00	0.03996
443230.00	3772380.00	0.04503	443330.00	3772380.00	0.04928
443430.00	3772380.00	0.05188	443530.00	3772380.00	0.05226
443630.00	3772380.00	0.05038	443730.00	3772380.00	0.04673
443830.00	3772380.00	0.04203	443930.00	3772380.00	0.03710
444030.00	3772380.00	0.03252	444130.00	3772380.00	0.02855
444230.00	3772380.00	0.02525	444330.00	3772380.00	0.02257
442230.00	3772480.00	0.01314	442330.00	3772480.00	0.01466
442430.00	3772480.00	0.01651	442530.00	3772480.00	0.01890
442630.00	3772480.00	0.02194	442730.00	3772480.00	0.02572
442830.00	3772480.00	0.03058	442930.00	3772480.00	0.03680
443030.00	3772480.00	0.04460	443130.00	3772480.00	0.05373
443230.00	3772480.00	0.06335	443330.00	3772480.00	0.07177
443430.00	3772480.00	0.07700	443530.00	3772480.00	0.07764
443630.00	3772480.00	0.07360	443730.00	3772480.00	0.06621
443830.00	3772480.00	0.05735	443930.00	3772480.00	0.04882
444030.00	3772480.00	0.04151	444130.00	3772480.00	0.03561
444230.00	3772480.00	0.03098	444330.00	3772480.00	0.02735
442230.00	3772580.00	0.01357	442330.00	3772580.00	0.01527
442430.00	3772580.00	0.01749	442530.00	3772580.00	0.02024
442630.00	3772580.00	0.02400	442730.00	3772580.00	0.02904

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.03592	442930.00	3772580.00	0.04559
443030.00	3772580.00	0.05872	443130.00	3772580.00	0.07598
443230.00	3772580.00	0.09606	443330.00	3772580.00	0.11476
443430.00	3772580.00	0.12665	443530.00	3772580.00	0.12791
443630.00	3772580.00	0.11824	443730.00	3772580.00	0.10162
443830.00	3772580.00	0.08352	443930.00	3772580.00	0.06781
444030.00	3772580.00	0.05571	444130.00	3772580.00	0.04668
444230.00	3772580.00	0.03989	444330.00	3772580.00	0.03470
442230.00	3772680.00	0.01399	442330.00	3772680.00	0.01589
442430.00	3772680.00	0.01837	442530.00	3772680.00	0.02165
442630.00	3772680.00	0.02609	442730.00	3772680.00	0.03231
442830.00	3772680.00	0.04159	443630.00	3772680.00	0.22055
443730.00	3772680.00	0.17596	443830.00	3772680.00	0.13326
443930.00	3772680.00	0.10219	444030.00	3772680.00	0.08075
444130.00	3772680.00	0.06564	444230.00	3772680.00	0.05467
444330.00	3772680.00	0.04646	442230.00	3772780.00	0.01431
442330.00	3772780.00	0.01631	442430.00	3772780.00	0.01897
442530.00	3772780.00	0.02254	442630.00	3772780.00	0.02760
442730.00	3772780.00	0.03486	442830.00	3772780.00	0.04650
443130.00	3772780.00	0.18072	443630.00	3772780.00	0.54331
443730.00	3772780.00	0.37023	443830.00	3772780.00	0.24631
443930.00	3772780.00	0.17337	444030.00	3772780.00	0.12860
444130.00	3772780.00	0.09932	444230.00	3772780.00	0.07925
444330.00	3772780.00	0.06489	442230.00	3772880.00	0.01457
442330.00	3772880.00	0.01665	442430.00	3772880.00	0.01933
442530.00	3772880.00	0.02311	442630.00	3772880.00	0.02842
442730.00	3772880.00	0.03653	442830.00	3772880.00	0.04987
442930.00	3772880.00	0.07368	443030.00	3772880.00	0.12738
443130.00	3772880.00	0.28283	443530.00	3772880.00	3.48275
443630.00	3772880.00	2.79624	443730.00	3772880.00	1.07631
443830.00	3772880.00	0.53416	443930.00	3772880.00	0.32064
444030.00	3772880.00	0.21456	444130.00	3772880.00	0.15415
444230.00	3772880.00	0.11649	444330.00	3772880.00	0.09137
442230.00	3772980.00	0.01477	442330.00	3772980.00	0.01688
442430.00	3772980.00	0.01967	442530.00	3772980.00	0.02350
442630.00	3772980.00	0.02900	442730.00	3772980.00	0.03721
442830.00	3772980.00	0.05114	442930.00	3772980.00	0.07623
443030.00	3772980.00	0.13107	443130.00	3772980.00	0.29837
443230.00	3772980.00	1.47292	443330.00	3772980.00	5.14111
443430.00	3772980.00	6.02683	443530.00	3772980.00	6.46777

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	8.61273	443730.00	3772980.00	2.80309
443830.00	3772980.00	1.02019	443930.00	3772980.00	0.53671
444030.00	3772980.00	0.33141	444130.00	3772980.00	0.22518
444230.00	3772980.00	0.16311	444330.00	3772980.00	0.12366
442230.00	3773080.00	0.01492	442330.00	3773080.00	0.01705
442430.00	3773080.00	0.01984	442530.00	3773080.00	0.02369
442630.00	3773080.00	0.02915	442730.00	3773080.00	0.03748
442830.00	3773080.00	0.05064	442930.00	3773080.00	0.07418
443030.00	3773080.00	0.11887	443130.00	3773080.00	0.21666
443230.00	3773080.00	0.44026	443330.00	3773080.00	0.82511
443430.00	3773080.00	1.29084	443530.00	3773080.00	2.15083
443630.00	3773080.00	6.27885	443730.00	3773080.00	3.10720
443830.00	3773080.00	1.28807	443930.00	3773080.00	0.69891
444030.00	3773080.00	0.43150	444130.00	3773080.00	0.29045
444230.00	3773080.00	0.20775	444330.00	3773080.00	0.15537
442230.00	3773180.00	0.01499	442330.00	3773180.00	0.01709
442430.00	3773180.00	0.01987	442530.00	3773180.00	0.02361
442630.00	3773180.00	0.02886	442730.00	3773180.00	0.03661
442830.00	3773180.00	0.04845	442930.00	3773180.00	0.06735
443030.00	3773180.00	0.09936	443130.00	3773180.00	0.15381
443230.00	3773180.00	0.24563	443330.00	3773180.00	0.39539
443430.00	3773180.00	0.66453	443530.00	3773180.00	1.47112
443630.00	3773180.00	5.37512	443730.00	3773180.00	2.89510
443830.00	3773180.00	1.27282	443930.00	3773180.00	0.73471
444030.00	3773180.00	0.47348	444130.00	3773180.00	0.32639
444230.00	3773180.00	0.23628	444330.00	3773180.00	0.17787
442230.00	3773280.00	0.01501	442330.00	3773280.00	0.01708
442430.00	3773280.00	0.01975	442530.00	3773280.00	0.02329
442630.00	3773280.00	0.02819	442730.00	3773280.00	0.03505
442830.00	3773280.00	0.04500	442930.00	3773280.00	0.05990
443030.00	3773280.00	0.08173	443130.00	3773280.00	0.11574
443230.00	3773280.00	0.16883	443330.00	3773280.00	0.26038
443430.00	3773280.00	0.44907	443530.00	3773280.00	1.13941
443630.00	3773280.00	4.65661	443730.00	3773280.00	2.57294
443830.00	3773280.00	1.12266	443930.00	3773280.00	0.67251
444030.00	3773280.00	0.45301	444130.00	3773280.00	0.32461
444230.00	3773280.00	0.24170	444330.00	3773280.00	0.18566
442230.00	3773380.00	0.01495	442330.00	3773380.00	0.01694
442430.00	3773380.00	0.01948	442530.00	3773380.00	0.02275
442630.00	3773380.00	0.02705	442730.00	3773380.00	0.03303

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.04102	442930.00	3773380.00	0.05219
443030.00	3773380.00	0.06805	443130.00	3773380.00	0.09078
443230.00	3773380.00	0.12546	443330.00	3773380.00	0.18393
443430.00	3773380.00	0.30725	443530.00	3773380.00	0.62061
443630.00	3773380.00	2.38270	443730.00	3773380.00	1.41213
443830.00	3773380.00	0.79229	443930.00	3773380.00	0.52745
444030.00	3773380.00	0.38050	444130.00	3773380.00	0.28788
444230.00	3773380.00	0.22372	444330.00	3773380.00	0.17763
442230.00	3773480.00	0.01485	442330.00	3773480.00	0.01673
442430.00	3773480.00	0.01905	442530.00	3773480.00	0.02202
442630.00	3773480.00	0.02577	442730.00	3773480.00	0.03074
442830.00	3773480.00	0.03706	442930.00	3773480.00	0.04551
443030.00	3773480.00	0.05688	443130.00	3773480.00	0.07284
443230.00	3773480.00	0.09544	443330.00	3773480.00	0.13001
443430.00	3773480.00	0.18176	443530.00	3773480.00	0.27100
443630.00	3773480.00	0.38872	443730.00	3773480.00	0.45144
443830.00	3773480.00	0.41842	443930.00	3773480.00	0.34573
444030.00	3773480.00	0.28149	444130.00	3773480.00	0.23014
444230.00	3773480.00	0.18933	444330.00	3773480.00	0.15703
442230.00	3773580.00	0.01465	442330.00	3773580.00	0.01640
442430.00	3773580.00	0.01851	442530.00	3773580.00	0.02110
442630.00	3773580.00	0.02427	442730.00	3773580.00	0.02829
442830.00	3773580.00	0.03332	442930.00	3773580.00	0.03971
443030.00	3773580.00	0.04805	443130.00	3773580.00	0.05887
443230.00	3773580.00	0.07310	443330.00	3773580.00	0.09182
443430.00	3773580.00	0.11682	443530.00	3773580.00	0.14741
443630.00	3773580.00	0.17870	443730.00	3773580.00	0.20182
443830.00	3773580.00	0.21381	443930.00	3773580.00	0.20762
444030.00	3773580.00	0.19097	444130.00	3773580.00	0.17081
444230.00	3773580.00	0.15005	444330.00	3773580.00	0.13067
442380.00	3772130.00	0.01218	442480.00	3772130.00	0.01320
442580.00	3772130.00	0.01435	442680.00	3772130.00	0.01563
442780.00	3772130.00	0.01705	442880.00	3772130.00	0.01857
442980.00	3772130.00	0.02016	443080.00	3772130.00	0.02175
443180.00	3772130.00	0.02325	443280.00	3772130.00	0.02451
443380.00	3772130.00	0.02540	443480.00	3772130.00	0.02582
443580.00	3772130.00	0.02571	443680.00	3772130.00	0.02508
443780.00	3772130.00	0.02400	443880.00	3772130.00	0.02259
443980.00	3772130.00	0.02100	444080.00	3772130.00	0.01938
442380.00	3772230.00	0.01313	442480.00	3772230.00	0.01439

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.01586	442680.00	3772230.00	0.01754
442780.00	3772230.00	0.01947	442880.00	3772230.00	0.02163
442980.00	3772230.00	0.02399	443080.00	3772230.00	0.02644
443180.00	3772230.00	0.02880	443280.00	3772230.00	0.03085
443380.00	3772230.00	0.03231	443480.00	3772230.00	0.03297
443580.00	3772230.00	0.03273	443680.00	3772230.00	0.03162
443780.00	3772230.00	0.02983	443880.00	3772230.00	0.02759
443980.00	3772230.00	0.02518	444080.00	3772230.00	0.02282
442380.00	3772330.00	0.01414	442480.00	3772330.00	0.01569
442580.00	3772330.00	0.01755	442680.00	3772330.00	0.01977
442780.00	3772330.00	0.02242	442880.00	3772330.00	0.02555
442980.00	3772330.00	0.02912	443080.00	3772330.00	0.03303
443180.00	3772330.00	0.03697	443280.00	3772330.00	0.04050
443380.00	3772330.00	0.04307	443480.00	3772330.00	0.04420
443580.00	3772330.00	0.04367	443680.00	3772330.00	0.04164
443780.00	3772330.00	0.03848	443880.00	3772330.00	0.03476
443980.00	3772330.00	0.03098	444080.00	3772330.00	0.02748
442380.00	3772430.00	0.01508	442480.00	3772430.00	0.01700
442580.00	3772430.00	0.01939	442680.00	3772430.00	0.02233
442780.00	3772430.00	0.02598	442880.00	3772430.00	0.03054
442980.00	3772430.00	0.03610	443080.00	3772430.00	0.04260
443180.00	3772430.00	0.04958	443280.00	3772430.00	0.05614
443380.00	3772430.00	0.06106	443480.00	3772430.00	0.06317
443580.00	3772430.00	0.06201	443680.00	3772430.00	0.05797
443780.00	3772430.00	0.05204	443880.00	3772430.00	0.04549
443980.00	3772430.00	0.03933	444080.00	3772430.00	0.03402
442380.00	3772530.00	0.01594	442480.00	3772530.00	0.01821
442580.00	3772530.00	0.02122	442680.00	3772530.00	0.02509
442780.00	3772530.00	0.03014	442880.00	3772530.00	0.03681
442980.00	3772530.00	0.04566	443080.00	3772530.00	0.05698
443180.00	3772530.00	0.07030	443280.00	3772530.00	0.08370
443380.00	3772530.00	0.09410	443480.00	3772530.00	0.09859
443580.00	3772530.00	0.09584	443680.00	3772530.00	0.08693
443780.00	3772530.00	0.07480	443880.00	3772530.00	0.06258
443980.00	3772530.00	0.05212	444080.00	3772530.00	0.04385
442380.00	3772630.00	0.01666	442480.00	3772630.00	0.01932
442580.00	3772630.00	0.02285	442680.00	3772630.00	0.02759
442780.00	3772630.00	0.03421	443680.00	3772630.00	0.14518
443780.00	3772630.00	0.11724	443880.00	3772630.00	0.09225
443980.00	3772630.00	0.07355	444080.00	3772630.00	0.06011

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.01727	442480.00	3772730.00	0.02024
442580.00	3772730.00	0.02416	442680.00	3772730.00	0.02975
442780.00	3772730.00	0.03833	443680.00	3772730.00	0.28963
443780.00	3772730.00	0.20900	443880.00	3772730.00	0.15161
443980.00	3772730.00	0.11428	444080.00	3772730.00	0.08951
442380.00	3772830.00	0.01772	442480.00	3772830.00	0.02085
442580.00	3772830.00	0.02511	442680.00	3772830.00	0.03139
442780.00	3772830.00	0.04122	443080.00	3772830.00	0.16085
443180.00	3772830.00	0.34749	443580.00	3772830.00	1.21308
443680.00	3772830.00	0.80859	443780.00	3772830.00	0.45793
443880.00	3772830.00	0.28702	443980.00	3772830.00	0.19628
444080.00	3772830.00	0.14278	442380.00	3772930.00	0.01805
442480.00	3772930.00	0.02124	442580.00	3772930.00	0.02583
442680.00	3772930.00	0.03237	442780.00	3772930.00	0.04304
442880.00	3772930.00	0.06107	442980.00	3772930.00	0.09674
443080.00	3772930.00	0.18818	443180.00	3772930.00	0.63912
443280.00	3772930.00	2.81913	443380.00	3772930.00	5.91269
443480.00	3772930.00	6.98655	443580.00	3772930.00	7.44242
443680.00	3772930.00	4.17946	443780.00	3772930.00	1.14704
443880.00	3772930.00	0.56052	443980.00	3772930.00	0.33568
444080.00	3772930.00	0.22442	442380.00	3773030.00	0.01827
442480.00	3773030.00	0.02156	442580.00	3773030.00	0.02616
442680.00	3773030.00	0.03286	442780.00	3773030.00	0.04313
442880.00	3773030.00	0.06148	442980.00	3773030.00	0.09591
443080.00	3773030.00	0.17531	443180.00	3773030.00	0.41720
443280.00	3773030.00	1.14631	443380.00	3773030.00	2.01006
443480.00	3773030.00	2.63346	443580.00	3773030.00	4.76086
443680.00	3773030.00	6.72249	443780.00	3773030.00	1.82361
443880.00	3773030.00	0.85124	443980.00	3773030.00	0.48763
444080.00	3773030.00	0.31466	442380.00	3773130.00	0.01837
442480.00	3773130.00	0.02165	442580.00	3773130.00	0.02616
442680.00	3773130.00	0.03269	442780.00	3773130.00	0.04276
442880.00	3773130.00	0.05884	442980.00	3773130.00	0.08719
443080.00	3773130.00	0.13949	443180.00	3773130.00	0.24010
443280.00	3773130.00	0.41274	443380.00	3773130.00	0.68200
443480.00	3773130.00	1.18329	443580.00	3773130.00	3.63708
443680.00	3773130.00	6.35701	443780.00	3773130.00	1.88404
443880.00	3773130.00	0.95843	443980.00	3773130.00	0.57419
444080.00	3773130.00	0.37670	442380.00	3773230.00	0.01838
442480.00	3773230.00	0.02156	442580.00	3773230.00	0.02582

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0005222 , L0005223 , L0005224 , L0005225 ,
L0005226 ,
L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 , L0005233 ,
L0005234 ,
L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 , L0005241 ,
L0005242 ,
L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,
L0005249 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.03191	442780.00	3773230.00	0.04069
442880.00	3773230.00	0.05411	442980.00	3773230.00	0.07546
443080.00	3773230.00	0.10874	443180.00	3773230.00	0.16285
443280.00	3773230.00	0.24942	443380.00	3773230.00	0.40522
443480.00	3773230.00	0.77406	443580.00	3773230.00	3.13065
443680.00	3773230.00	6.02691	443780.00	3773230.00	1.71840
443880.00	3773230.00	0.91224	443980.00	3773230.00	0.57410
444080.00	3773230.00	0.39179			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.01183	442330.00	3771880.00	0.01304
442430.00	3771880.00	0.01449	442530.00	3771880.00	0.01628
442630.00	3771880.00	0.01846	442730.00	3771880.00	0.02119
442830.00	3771880.00	0.02474	442930.00	3771880.00	0.02936
443030.00	3771880.00	0.03536	443130.00	3771880.00	0.04337
443230.00	3771880.00	0.05398	443330.00	3771880.00	0.06773
443430.00	3771880.00	0.08395	443530.00	3771880.00	0.09851
443630.00	3771880.00	0.10331	443730.00	3771880.00	0.09470
443830.00	3771880.00	0.07912	443930.00	3771880.00	0.06418
444030.00	3771880.00	0.05245	444130.00	3771880.00	0.04368
444230.00	3771880.00	0.03715	444330.00	3771880.00	0.03219
442230.00	3771980.00	0.01223	442330.00	3771980.00	0.01356
442430.00	3771980.00	0.01518	442530.00	3771980.00	0.01720
442630.00	3771980.00	0.01979	442730.00	3771980.00	0.02303
442830.00	3771980.00	0.02751	442930.00	3771980.00	0.03343
443030.00	3771980.00	0.04185	443130.00	3771980.00	0.05398
443230.00	3771980.00	0.07195	443330.00	3771980.00	0.09900
443430.00	3771980.00	0.13949	443530.00	3771980.00	0.18955
443630.00	3771980.00	0.21129	443730.00	3771980.00	0.17545
443830.00	3771980.00	0.12956	443930.00	3771980.00	0.09718
444030.00	3771980.00	0.07566	444130.00	3771980.00	0.06089
444230.00	3771980.00	0.05036	444330.00	3771980.00	0.04256
442230.00	3772080.00	0.01256	442330.00	3772080.00	0.01399
442430.00	3772080.00	0.01576	442530.00	3772080.00	0.01799
442630.00	3772080.00	0.02091	442730.00	3772080.00	0.02478
442830.00	3772080.00	0.03008	442930.00	3772080.00	0.03762
443030.00	3772080.00	0.04862	443130.00	3772080.00	0.06603
443230.00	3772080.00	0.09467	443330.00	3772080.00	0.14586
443430.00	3772080.00	0.25005	443530.00	3772080.00	0.49233
443630.00	3772080.00	0.73201	443730.00	3772080.00	0.42585
443830.00	3772080.00	0.25371	443930.00	3772080.00	0.16909
444030.00	3772080.00	0.12152	444130.00	3772080.00	0.09213
444230.00	3772080.00	0.07271	444330.00	3772080.00	0.05921
442230.00	3772180.00	0.01281	442330.00	3772180.00	0.01434
442430.00	3772180.00	0.01621	442530.00	3772180.00	0.01866
442630.00	3772180.00	0.02187	442730.00	3772180.00	0.02623
442830.00	3772180.00	0.03232	442930.00	3772180.00	0.04143
443030.00	3772180.00	0.05539	443130.00	3772180.00	0.07809
443230.00	3772180.00	0.11844	443330.00	3772180.00	0.19936
443430.00	3772180.00	0.41642	443530.00	3772180.00	1.47040

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.84574	443730.00	3772180.00	1.42992
443830.00	3772180.00	0.57301	443930.00	3772180.00	0.31729
444030.00	3772180.00	0.20481	444130.00	3772180.00	0.14383
444230.00	3772180.00	0.10745	444330.00	3772180.00	0.08381
442230.00	3772280.00	0.01303	442330.00	3772280.00	0.01464
442430.00	3772280.00	0.01662	442530.00	3772280.00	0.01916
442630.00	3772280.00	0.02256	442730.00	3772280.00	0.02743
442830.00	3772280.00	0.03430	442930.00	3772280.00	0.04461
443030.00	3772280.00	0.06075	443130.00	3772280.00	0.08840
443230.00	3772280.00	0.14041	443330.00	3772280.00	0.25170
443430.00	3772280.00	0.56328	443530.00	3772280.00	2.10474
443630.00	3772280.00	6.60646	443730.00	3772280.00	2.54090
443830.00	3772280.00	0.99007	443930.00	3772280.00	0.51642
444030.00	3772280.00	0.31525	444130.00	3772280.00	0.21204
444230.00	3772280.00	0.15259	444330.00	3772280.00	0.11521
442230.00	3772380.00	0.01321	442330.00	3772380.00	0.01486
442430.00	3772380.00	0.01687	442530.00	3772380.00	0.01951
442630.00	3772380.00	0.02316	442730.00	3772380.00	0.02833
442830.00	3772380.00	0.03566	442930.00	3772380.00	0.04659
443030.00	3772380.00	0.06436	443130.00	3772380.00	0.09498
443230.00	3772380.00	0.15297	443330.00	3772380.00	0.28211
443430.00	3772380.00	0.63127	443530.00	3772380.00	2.20823
443630.00	3772380.00	7.19529	443730.00	3772380.00	2.93238
443830.00	3772380.00	1.24718	443930.00	3772380.00	0.67731
444030.00	3772380.00	0.41796	444130.00	3772380.00	0.28000
444230.00	3772380.00	0.19951	444330.00	3772380.00	0.14867
442230.00	3772480.00	0.01334	442330.00	3772480.00	0.01499
442430.00	3772480.00	0.01707	442530.00	3772480.00	0.01984
442630.00	3772480.00	0.02364	442730.00	3772480.00	0.02875
442830.00	3772480.00	0.03623	442930.00	3772480.00	0.04724
443030.00	3772480.00	0.06588	443130.00	3772480.00	0.09694
443230.00	3772480.00	0.15668	443330.00	3772480.00	0.28693
443430.00	3772480.00	0.63562	443530.00	3772480.00	2.17176
443630.00	3772480.00	7.91617	443730.00	3772480.00	3.06978
443830.00	3772480.00	1.35156	443930.00	3772480.00	0.76488
444030.00	3772480.00	0.48636	444130.00	3772480.00	0.33136
444230.00	3772480.00	0.23787	444330.00	3772480.00	0.17766
442230.00	3772580.00	0.01341	442330.00	3772580.00	0.01507
442430.00	3772580.00	0.01720	442530.00	3772580.00	0.01992
442630.00	3772580.00	0.02360	442730.00	3772580.00	0.02866

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	0.03588	442930.00	3772580.00	0.04697
443030.00	3772580.00	0.06438	443130.00	3772580.00	0.09405
443230.00	3772580.00	0.14945	443330.00	3772580.00	0.26677
443430.00	3772580.00	0.58437	443530.00	3772580.00	1.99751
443630.00	3772580.00	8.36450	443730.00	3772580.00	3.07997
443830.00	3772580.00	1.36229	443930.00	3772580.00	0.78583
444030.00	3772580.00	0.51181	444130.00	3772580.00	0.35633
444230.00	3772580.00	0.25953	444330.00	3772580.00	0.19603
442230.00	3772680.00	0.01350	442330.00	3772680.00	0.01516
442430.00	3772680.00	0.01727	442530.00	3772680.00	0.02000
442630.00	3772680.00	0.02357	442730.00	3772680.00	0.02841
442830.00	3772680.00	0.03525	443630.00	3772680.00	6.68767
443730.00	3772680.00	2.76278	443830.00	3772680.00	1.23047
443930.00	3772680.00	0.72918	444030.00	3772680.00	0.48857
444130.00	3772680.00	0.34898	444230.00	3772680.00	0.26026
444330.00	3772680.00	0.20043	442230.00	3772780.00	0.01353
442330.00	3772780.00	0.01515	442430.00	3772780.00	0.01720
442530.00	3772780.00	0.01981	442630.00	3772780.00	0.02323
442730.00	3772780.00	0.02771	442830.00	3772780.00	0.03397
443130.00	3772780.00	0.07682	443630.00	3772780.00	1.96751
443730.00	3772780.00	1.39464	443830.00	3772780.00	0.85182
443930.00	3772780.00	0.57034	444030.00	3772780.00	0.41024
444130.00	3772780.00	0.30827	444230.00	3772780.00	0.23897
444330.00	3772780.00	0.18940	442230.00	3772880.00	0.01351
442330.00	3772880.00	0.01509	442430.00	3772880.00	0.01701
442530.00	3772880.00	0.01947	442630.00	3772880.00	0.02259
442730.00	3772880.00	0.02668	442830.00	3772880.00	0.03219
442930.00	3772880.00	0.03968	443030.00	3772880.00	0.05059
443130.00	3772880.00	0.06621	443530.00	3772880.00	0.30020
443630.00	3772880.00	0.41723	443730.00	3772880.00	0.47467
443830.00	3772880.00	0.44067	443930.00	3772880.00	0.36854
444030.00	3772880.00	0.30047	444130.00	3772880.00	0.24512
444230.00	3772880.00	0.20141	444330.00	3772880.00	0.16662
442230.00	3772980.00	0.01345	442330.00	3772980.00	0.01494
442430.00	3772980.00	0.01676	442530.00	3772980.00	0.01901
442630.00	3772980.00	0.02182	442730.00	3772980.00	0.02535
442830.00	3772980.00	0.03003	442930.00	3772980.00	0.03610
443030.00	3772980.00	0.04425	443130.00	3772980.00	0.05533
443230.00	3772980.00	0.07057	443330.00	3772980.00	0.09174
443430.00	3772980.00	0.12011	443530.00	3772980.00	0.15407

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	0.18977	443730.00	3772980.00	0.21301
443830.00	3772980.00	0.22486	443930.00	3772980.00	0.21999
444030.00	3772980.00	0.20217	444130.00	3772980.00	0.18007
444230.00	3772980.00	0.15799	444330.00	3772980.00	0.13747
442230.00	3773080.00	0.01332	442330.00	3773080.00	0.01472
442430.00	3773080.00	0.01639	442530.00	3773080.00	0.01842
442630.00	3773080.00	0.02088	442730.00	3773080.00	0.02394
442830.00	3773080.00	0.02769	442930.00	3773080.00	0.03249
443030.00	3773080.00	0.03838	443130.00	3773080.00	0.04578
443230.00	3773080.00	0.05525	443330.00	3773080.00	0.06699
443430.00	3773080.00	0.08112	443530.00	3773080.00	0.09653
443630.00	3773080.00	0.11164	443730.00	3773080.00	0.12371
443830.00	3773080.00	0.13289	443930.00	3773080.00	0.13674
444030.00	3773080.00	0.13419	444130.00	3773080.00	0.12800
444230.00	3773080.00	0.11927	444330.00	3773080.00	0.10909
442230.00	3773180.00	0.01313	442330.00	3773180.00	0.01441
442430.00	3773180.00	0.01592	442530.00	3773180.00	0.01770
442630.00	3773180.00	0.01980	442730.00	3773180.00	0.02232
442830.00	3773180.00	0.02531	442930.00	3773180.00	0.02885
443030.00	3773180.00	0.03309	443130.00	3773180.00	0.03808
443230.00	3773180.00	0.04399	443330.00	3773180.00	0.05091
443430.00	3773180.00	0.05871	443530.00	3773180.00	0.06657
443630.00	3773180.00	0.07504	443730.00	3773180.00	0.08198
443830.00	3773180.00	0.08693	443930.00	3773180.00	0.09035
444030.00	3773180.00	0.09158	444130.00	3773180.00	0.09159
444230.00	3773180.00	0.08883	444330.00	3773180.00	0.08472
442230.00	3773280.00	0.01287	442330.00	3773280.00	0.01403
442430.00	3773280.00	0.01536	442530.00	3773280.00	0.01688
442630.00	3773280.00	0.01865	442730.00	3773280.00	0.02067
442830.00	3773280.00	0.02299	442930.00	3773280.00	0.02566
443030.00	3773280.00	0.02861	443130.00	3773280.00	0.03202
443230.00	3773280.00	0.03585	443330.00	3773280.00	0.04027
443430.00	3773280.00	0.04506	443530.00	3773280.00	0.04996
443630.00	3773280.00	0.05493	443730.00	3773280.00	0.05918
443830.00	3773280.00	0.06300	443930.00	3773280.00	0.06517
444030.00	3773280.00	0.06671	444130.00	3773280.00	0.06775
444230.00	3773280.00	0.06735	444330.00	3773280.00	0.06598
442230.00	3773380.00	0.01255	442330.00	3773380.00	0.01358
442430.00	3773380.00	0.01473	442530.00	3773380.00	0.01601
442630.00	3773380.00	0.01744	442730.00	3773380.00	0.01908

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.02084	442930.00	3773380.00	0.02279
443030.00	3773380.00	0.02496	443130.00	3773380.00	0.02732
443230.00	3773380.00	0.02996	443330.00	3773380.00	0.03296
443430.00	3773380.00	0.03654	443530.00	3773380.00	0.03939
443630.00	3773380.00	0.04264	443730.00	3773380.00	0.04562
443830.00	3773380.00	0.04800	443930.00	3773380.00	0.04977
444030.00	3773380.00	0.05093	444130.00	3773380.00	0.05197
444230.00	3773380.00	0.05239	444330.00	3773380.00	0.05225
442230.00	3773480.00	0.01218	442330.00	3773480.00	0.01307
442430.00	3773480.00	0.01405	442530.00	3773480.00	0.01512
442630.00	3773480.00	0.01628	442730.00	3773480.00	0.01757
442830.00	3773480.00	0.01891	442930.00	3773480.00	0.02037
443030.00	3773480.00	0.02194	443130.00	3773480.00	0.02368
443230.00	3773480.00	0.02559	443330.00	3773480.00	0.02773
443430.00	3773480.00	0.02986	443530.00	3773480.00	0.03218
443630.00	3773480.00	0.03451	443730.00	3773480.00	0.03655
443830.00	3773480.00	0.03840	443930.00	3773480.00	0.03966
444030.00	3773480.00	0.04067	444130.00	3773480.00	0.04146
444230.00	3773480.00	0.04197	444330.00	3773480.00	0.04221
442230.00	3773580.00	0.01176	442330.00	3773580.00	0.01253
442430.00	3773580.00	0.01336	442530.00	3773580.00	0.01424
442630.00	3773580.00	0.01516	442730.00	3773580.00	0.01616
442830.00	3773580.00	0.01721	442930.00	3773580.00	0.01831
443030.00	3773580.00	0.01952	443130.00	3773580.00	0.02083
443230.00	3773580.00	0.02227	443330.00	3773580.00	0.02382
443430.00	3773580.00	0.02548	443530.00	3773580.00	0.02717
443630.00	3773580.00	0.02882	443730.00	3773580.00	0.03035
443830.00	3773580.00	0.03173	443930.00	3773580.00	0.03273
444030.00	3773580.00	0.03351	444130.00	3773580.00	0.03423
444230.00	3773580.00	0.03473	444330.00	3773580.00	0.03500
442380.00	3772130.00	0.01500	442480.00	3772130.00	0.01708
442580.00	3772130.00	0.01975	442680.00	3772130.00	0.02330
442780.00	3772130.00	0.02808	442880.00	3772130.00	0.03496
442980.00	3772130.00	0.04528	443080.00	3772130.00	0.06100
443180.00	3772130.00	0.08698	443280.00	3772130.00	0.13403
443380.00	3772130.00	0.23331	443480.00	3772130.00	0.51020
443580.00	3772130.00	1.94641	443680.00	3772130.00	1.34046
443780.00	3772130.00	0.52919	443880.00	3772130.00	0.29375
443980.00	3772130.00	0.18983	444080.00	3772130.00	0.13411
442380.00	3772230.00	0.01539	442480.00	3772230.00	0.01758

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	0.02042	442680.00	3772230.00	0.02433
442780.00	3772230.00	0.02985	442880.00	3772230.00	0.03797
442980.00	3772230.00	0.05018	443080.00	3772230.00	0.06964
443180.00	3772230.00	0.10352	443280.00	3772230.00	0.16864
443380.00	3772230.00	0.32353	443480.00	3772230.00	0.87184
443580.00	3772230.00	7.12759	443680.00	3772230.00	4.62293
443780.00	3772230.00	1.21128	443880.00	3772230.00	0.55905
443980.00	3772230.00	0.32338	444080.00	3772230.00	0.21207
442380.00	3772330.00	0.01568	442480.00	3772330.00	0.01797
442580.00	3772330.00	0.02100	442680.00	3772330.00	0.02522
442780.00	3772330.00	0.03121	442880.00	3772330.00	0.03985
442980.00	3772330.00	0.05325	443080.00	3772330.00	0.07544
443180.00	3772330.00	0.11596	443280.00	3772330.00	0.19571
443380.00	3772330.00	0.39137	443480.00	3772330.00	1.04425
443580.00	3772330.00	7.22793	443680.00	3772330.00	5.53886
443780.00	3772330.00	1.70412	443880.00	3772330.00	0.81456
443980.00	3772330.00	0.46623	444080.00	3772330.00	0.29970
442380.00	3772430.00	0.01588	442480.00	3772430.00	0.01825
442580.00	3772430.00	0.02144	442680.00	3772430.00	0.02585
442780.00	3772430.00	0.03194	442880.00	3772430.00	0.04100
442980.00	3772430.00	0.05518	443080.00	3772430.00	0.07874
443180.00	3772430.00	0.12129	443280.00	3772430.00	0.20770
443380.00	3772430.00	0.41448	443480.00	3772430.00	1.07856
443580.00	3772430.00	6.85442	443680.00	3772430.00	5.87781
443780.00	3772430.00	1.89905	443880.00	3772430.00	0.96060
443980.00	3772430.00	0.57194	444080.00	3772430.00	0.37283
442380.00	3772530.00	0.01603	442480.00	3772530.00	0.01842
442580.00	3772530.00	0.02163	442680.00	3772530.00	0.02599
442780.00	3772530.00	0.03215	442880.00	3772530.00	0.04109
442980.00	3772530.00	0.05525	443080.00	3772530.00	0.07866
443180.00	3772530.00	0.12075	443280.00	3772530.00	0.20419
443380.00	3772530.00	0.39982	443480.00	3772530.00	1.03540
443580.00	3772530.00	6.45425	443680.00	3772530.00	6.08396
443780.00	3772530.00	1.95400	443880.00	3772530.00	1.01446
443980.00	3772530.00	0.62213	444080.00	3772530.00	0.41595
442380.00	3772630.00	0.01610	442480.00	3772630.00	0.01851
442580.00	3772630.00	0.02165	442680.00	3772630.00	0.02586
442780.00	3772630.00	0.03171	443680.00	3772630.00	6.06080
443780.00	3772630.00	1.88835	443880.00	3772630.00	0.98755
443980.00	3772630.00	0.61673	444080.00	3772630.00	0.42265

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.01613	442480.00	3772730.00	0.01848
442580.00	3772730.00	0.02149	442680.00	3772730.00	0.02550
442780.00	3772730.00	0.03110	443680.00	3772730.00	3.95920
443780.00	3772730.00	1.46010	443880.00	3772730.00	0.82702
443980.00	3772730.00	0.54295	444080.00	3772730.00	0.38670
442380.00	3772830.00	0.01606	442480.00	3772830.00	0.01831
442580.00	3772830.00	0.02115	442680.00	3772830.00	0.02488
442780.00	3772830.00	0.02992	443080.00	3772830.00	0.06179
443180.00	3772830.00	0.08396	443580.00	3772830.00	0.63473
443680.00	3772830.00	0.82090	443780.00	3772830.00	0.71613
443880.00	3772830.00	0.53851	443980.00	3772830.00	0.40690
444080.00	3772830.00	0.31433	442380.00	3772930.00	0.01592
442480.00	3772930.00	0.01800	442580.00	3772930.00	0.02067
442680.00	3772930.00	0.02400	442780.00	3772930.00	0.02844
442880.00	3772930.00	0.03426	442980.00	3772930.00	0.04218
443080.00	3772930.00	0.05326	443180.00	3772930.00	0.06930
443280.00	3772930.00	0.09264	443380.00	3772930.00	0.12764
443480.00	3772930.00	0.17715	443580.00	3772930.00	0.23819
443680.00	3772930.00	0.29108	443780.00	3772930.00	0.31420
443880.00	3772930.00	0.30120	443980.00	3772930.00	0.26725
444080.00	3772930.00	0.22953	442380.00	3773030.00	0.01567
442480.00	3773030.00	0.01761	442580.00	3773030.00	0.01999
442680.00	3773030.00	0.02293	442780.00	3773030.00	0.02658
442880.00	3773030.00	0.03141	442980.00	3773030.00	0.03752
443080.00	3773030.00	0.04548	443180.00	3773030.00	0.05600
443280.00	3773030.00	0.06968	443380.00	3773030.00	0.08728
443480.00	3773030.00	0.10914	443580.00	3773030.00	0.13126
443680.00	3773030.00	0.15211	443780.00	3773030.00	0.16582
443880.00	3773030.00	0.17255	443980.00	3773030.00	0.16871
444080.00	3773030.00	0.15895	442380.00	3773130.00	0.01534
442480.00	3773130.00	0.01709	442580.00	3773130.00	0.01917
442680.00	3773130.00	0.02168	442780.00	3773130.00	0.02476
442880.00	3773130.00	0.02845	442980.00	3773130.00	0.03301
443080.00	3773130.00	0.03852	443180.00	3773130.00	0.04532
443280.00	3773130.00	0.05341	443380.00	3773130.00	0.06312
443480.00	3773130.00	0.07558	443580.00	3773130.00	0.08524
443680.00	3773130.00	0.09522	443780.00	3773130.00	0.10267
443880.00	3773130.00	0.10987	443980.00	3773130.00	0.11126
444080.00	3773130.00	0.10965	442380.00	3773230.00	0.01492
442480.00	3773230.00	0.01646	442580.00	3773230.00	0.01823

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE24 ***
INCLUDING SOURCE(S): L0004230 , L0004231 , L0004232 , L0004233 , L0004234 ,
L0004235 , L0004236 , L0004237 , L0004238 , L0004239 , L0004240 , L0004241 , L0004242 ,
L0004243 , L0004244 , L0004245 , L0004246 , L0004247 , L0004248 , L0004249 , L0004250 ,
L0004251 , L0004252 , L0004253 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.02032	442780.00	3773230.00	0.02274
442880.00	3773230.00	0.02558	442980.00	3773230.00	0.02893
443080.00	3773230.00	0.03272	443180.00	3773230.00	0.03717
443280.00	3773230.00	0.04221	443380.00	3773230.00	0.04807
443480.00	3773230.00	0.05405	443580.00	3773230.00	0.06037
443680.00	3773230.00	0.06652	443780.00	3773230.00	0.07161
443880.00	3773230.00	0.07490	443980.00	3773230.00	0.07707
444080.00	3773230.00	0.07838			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.55483	442330.00	3771880.00	0.60350
442430.00	3771880.00	0.65730	442530.00	3771880.00	0.71620
442630.00	3771880.00	0.78046	442730.00	3771880.00	0.84953
442830.00	3771880.00	0.92159	442930.00	3771880.00	0.99514
443030.00	3771880.00	1.06793	443130.00	3771880.00	1.13516
443230.00	3771880.00	1.19233	443330.00	3771880.00	1.23496
443430.00	3771880.00	1.25868	443530.00	3771880.00	1.26053
443630.00	3771880.00	1.24000	443730.00	3771880.00	1.19776
443830.00	3771880.00	1.14113	443930.00	3771880.00	1.07268
444030.00	3771880.00	0.99693	444130.00	3771880.00	0.92178
444230.00	3771880.00	0.84775	444330.00	3771880.00	0.77642
442230.00	3771980.00	0.59171	442330.00	3771980.00	0.64836
442430.00	3771980.00	0.71199	442530.00	3771980.00	0.78319
442630.00	3771980.00	0.86215	442730.00	3771980.00	0.94938
442830.00	3771980.00	1.04242	442930.00	3771980.00	1.14086
443030.00	3771980.00	1.23956	443130.00	3771980.00	1.33365
443230.00	3771980.00	1.41536	443330.00	3771980.00	1.47944
443430.00	3771980.00	1.51689	443530.00	3771980.00	1.52249
443630.00	3771980.00	1.48907	443730.00	3771980.00	1.42834
443830.00	3771980.00	1.34776	443930.00	3771980.00	1.25092
444030.00	3771980.00	1.14671	444130.00	3771980.00	1.04334
444230.00	3771980.00	0.94512	444330.00	3771980.00	0.85967
442230.00	3772080.00	0.62949	442330.00	3772080.00	0.69508
442430.00	3772080.00	0.77015	442530.00	3772080.00	0.85591
442630.00	3772080.00	0.95328	442730.00	3772080.00	1.06296
442830.00	3772080.00	1.18467	442930.00	3772080.00	1.31636
443030.00	3772080.00	1.45428	443130.00	3772080.00	1.58918
443230.00	3772080.00	1.71182	443330.00	3772080.00	1.80970
443430.00	3772080.00	1.86858	443530.00	3772080.00	1.88234
443630.00	3772080.00	1.83230	443730.00	3772080.00	1.73913
443830.00	3772080.00	1.61761	443930.00	3772080.00	1.47483
444030.00	3772080.00	1.32889	444130.00	3772080.00	1.19025
444230.00	3772080.00	1.06448	444330.00	3772080.00	0.95254
442230.00	3772180.00	0.66724	442330.00	3772180.00	0.74261
442430.00	3772180.00	0.83051	442530.00	3772180.00	0.93310
442630.00	3772180.00	1.05278	442730.00	3772180.00	1.19160
442830.00	3772180.00	1.35099	442930.00	3772180.00	1.52939
443030.00	3772180.00	1.72361	443130.00	3772180.00	1.92461
443230.00	3772180.00	2.11663	443330.00	3772180.00	2.27862
443430.00	3772180.00	2.37723	443530.00	3772180.00	2.39587

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.32383	443730.00	3772180.00	2.17973
443830.00	3772180.00	1.97955	443930.00	3772180.00	1.76489
444030.00	3772180.00	1.54652	444130.00	3772180.00	1.36257
444230.00	3772180.00	1.19614	444330.00	3772180.00	1.05486
442230.00	3772280.00	0.70381	442330.00	3772280.00	0.78957
442430.00	3772280.00	0.89139	442530.00	3772280.00	1.01304
442630.00	3772280.00	1.15892	442730.00	3772280.00	1.33367
442830.00	3772280.00	1.54202	442930.00	3772280.00	1.78668
443030.00	3772280.00	2.06719	443130.00	3772280.00	2.37275
443230.00	3772280.00	2.68015	443330.00	3772280.00	2.95399
443430.00	3772280.00	3.13884	443530.00	3772280.00	3.18382
443630.00	3772280.00	3.06767	443730.00	3772280.00	2.80730
443830.00	3772280.00	2.47955	443930.00	3772280.00	2.13910
444030.00	3772280.00	1.82732	444130.00	3772280.00	1.56308
444230.00	3772280.00	1.34359	444330.00	3772280.00	1.16634
442230.00	3772380.00	0.71826	442330.00	3772380.00	0.82508
442430.00	3772380.00	0.93310	442530.00	3772380.00	1.07388
442630.00	3772380.00	1.26819	442730.00	3772380.00	1.48612
442830.00	3772380.00	1.75734	442930.00	3772380.00	2.09395
443030.00	3772380.00	2.50316	443130.00	3772380.00	2.98185
443230.00	3772380.00	3.50390	443330.00	3772380.00	4.00069
443430.00	3772380.00	4.37801	443530.00	3772380.00	4.50396
443630.00	3772380.00	4.28919	443730.00	3772380.00	3.78222
443830.00	3772380.00	3.18424	443930.00	3772380.00	2.62656
444030.00	3772380.00	2.15922	444130.00	3772380.00	1.79529
444230.00	3772380.00	1.50811	444330.00	3772380.00	1.28577
442230.00	3772480.00	0.71450	442330.00	3772480.00	0.82290
442430.00	3772480.00	0.94966	442530.00	3772480.00	1.13555
442630.00	3772480.00	1.37540	442730.00	3772480.00	1.64199
442830.00	3772480.00	1.98996	442930.00	3772480.00	2.44827
443030.00	3772480.00	3.04812	443130.00	3772480.00	3.81685
443230.00	3772480.00	4.73651	443330.00	3772480.00	5.71810
443430.00	3772480.00	6.58920	443530.00	3772480.00	7.01152
443630.00	3772480.00	6.57724	443730.00	3772480.00	5.41358
443830.00	3772480.00	4.21056	443930.00	3772480.00	3.24589
444030.00	3772480.00	2.54849	444130.00	3772480.00	2.05250
444230.00	3772480.00	1.68567	444330.00	3772480.00	1.41112
442230.00	3772580.00	0.64292	442330.00	3772580.00	0.75594
442430.00	3772580.00	0.93807	442530.00	3772580.00	1.11262
442630.00	3772580.00	1.39027	442730.00	3772580.00	1.72533

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.16948	442930.00	3772580.00	2.83204
443030.00	3772580.00	3.70726	443130.00	3772580.00	4.96039
443230.00	3772580.00	6.66618	443330.00	3772580.00	8.74760
443430.00	3772580.00	11.03171	443530.00	3772580.00	13.06198
443630.00	3772580.00	12.12254	443730.00	3772580.00	8.40933
443830.00	3772580.00	5.64940	443930.00	3772580.00	4.02566
444030.00	3772580.00	3.00260	444130.00	3772580.00	2.33481
444230.00	3772580.00	1.87644	444330.00	3772580.00	1.54416
442230.00	3772680.00	0.61769	442330.00	3772680.00	0.74028
442430.00	3772680.00	0.90964	442530.00	3772680.00	1.13610
442630.00	3772680.00	1.41688	442730.00	3772680.00	1.78397
442830.00	3772680.00	2.31434	443630.00	3772680.00	38.37595
443730.00	3772680.00	13.98522	443830.00	3772680.00	7.65296
443930.00	3772680.00	4.93012	444030.00	3772680.00	3.48922
444130.00	3772680.00	2.62924	444230.00	3772680.00	2.06585
444330.00	3772680.00	1.67340	442230.00	3772780.00	0.57065
442330.00	3772780.00	0.67884	442430.00	3772780.00	0.83839
442530.00	3772780.00	1.03776	442630.00	3772780.00	1.31991
442730.00	3772780.00	1.66432	442830.00	3772780.00	2.27043
443130.00	3772780.00	8.09328	443630.00	3772780.00	71.27081
443730.00	3772780.00	19.19539	443830.00	3772780.00	9.32161
443930.00	3772780.00	5.70576	444030.00	3772780.00	3.91374
444130.00	3772780.00	2.88425	444230.00	3772780.00	2.23081
444330.00	3772780.00	1.78815	442230.00	3772880.00	0.52277
442330.00	3772880.00	0.61922	442430.00	3772880.00	0.72287
442530.00	3772880.00	0.90998	442630.00	3772880.00	1.13901
442730.00	3772880.00	1.49884	442830.00	3772880.00	2.07322
442930.00	3772880.00	2.94196	443030.00	3772880.00	4.93313
443130.00	3772880.00	8.74034	443530.00	3772880.00	89.88242
443630.00	3772880.00	37.12375	443730.00	3772880.00	16.70805
443830.00	3772880.00	9.27490	443930.00	3772880.00	5.87960
444030.00	3772880.00	4.07768	444130.00	3772880.00	3.00962
444230.00	3772880.00	2.32372	444330.00	3772880.00	1.85769
442230.00	3772980.00	0.47427	442330.00	3772980.00	0.55229
442430.00	3772980.00	0.65191	442530.00	3772980.00	0.79401
442630.00	3772980.00	0.99399	442730.00	3772980.00	1.25212
442830.00	3772980.00	1.77689	442930.00	3772980.00	2.53191
443030.00	3772980.00	3.89168	443130.00	3772980.00	6.81415
443230.00	3772980.00	13.50680	443330.00	3772980.00	25.36558
443430.00	3772980.00	32.08605	443530.00	3772980.00	28.01237

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	18.62515	443730.00	3772980.00	11.63188
443830.00	3772980.00	7.68785	443930.00	3772980.00	5.32502
444030.00	3772980.00	3.87511	444130.00	3772980.00	2.93876
444230.00	3772980.00	2.30550	444330.00	3772980.00	1.85997
442230.00	3773080.00	0.43142	442330.00	3773080.00	0.49587
442430.00	3773080.00	0.57737	442530.00	3773080.00	0.70073
442630.00	3773080.00	0.85881	442730.00	3773080.00	1.12538
442830.00	3773080.00	1.46881	442930.00	3773080.00	2.12503
443030.00	3773080.00	2.99936	443130.00	3773080.00	4.44948
443230.00	3773080.00	6.99956	443330.00	3773080.00	10.50728
443430.00	3773080.00	12.58163	443530.00	3773080.00	12.03075
443630.00	3773080.00	9.79247	443730.00	3773080.00	7.54906
443830.00	3773080.00	5.82010	443930.00	3773080.00	4.41333
444030.00	3773080.00	3.41125	444130.00	3773080.00	2.69489
444230.00	3773080.00	2.17355	444330.00	3773080.00	1.78685
442230.00	3773180.00	0.38434	442330.00	3773180.00	0.43788
442430.00	3773180.00	0.51177	442530.00	3773180.00	0.60738
442630.00	3773180.00	0.73758	442730.00	3773180.00	0.93408
442830.00	3773180.00	1.20439	442930.00	3773180.00	1.57005
443030.00	3773180.00	2.15962	443130.00	3773180.00	3.01892
443230.00	3773180.00	4.22770	443330.00	3773180.00	5.60197
443430.00	3773180.00	6.48729	443530.00	3773180.00	5.97115
443630.00	3773180.00	5.63382	443730.00	3773180.00	4.90857
443830.00	3773180.00	4.14141	443930.00	3773180.00	3.46213
444030.00	3773180.00	2.88139	444130.00	3773180.00	2.36413
444230.00	3773180.00	1.96756	444330.00	3773180.00	1.65642
442230.00	3773280.00	0.34555	442330.00	3773280.00	0.39401
442430.00	3773280.00	0.45430	442530.00	3773280.00	0.52760
442630.00	3773280.00	0.63833	442730.00	3773280.00	0.77890
442830.00	3773280.00	0.97138	442930.00	3773280.00	1.26243
443030.00	3773280.00	1.57331	443130.00	3773280.00	2.10295
443230.00	3773280.00	2.73704	443330.00	3773280.00	3.43659
443430.00	3773280.00	3.78261	443530.00	3773280.00	3.66697
443630.00	3773280.00	3.50178	443730.00	3773280.00	3.21413
443830.00	3773280.00	3.07580	443930.00	3773280.00	2.67910
444030.00	3773280.00	2.34161	444130.00	3773280.00	2.02706
444230.00	3773280.00	1.75058	444330.00	3773280.00	1.52026
442230.00	3773380.00	0.30597	442330.00	3773380.00	0.34827
442430.00	3773380.00	0.39814	442530.00	3773380.00	0.45785
442630.00	3773380.00	0.52855	442730.00	3773380.00	0.65556

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.78302	442930.00	3773380.00	0.96346
443030.00	3773380.00	1.22009	443130.00	3773380.00	1.51773
443230.00	3773380.00	1.87311	443330.00	3773380.00	2.26958
443430.00	3773380.00	2.87470	443530.00	3773380.00	2.40490
443630.00	3773380.00	2.33080	443730.00	3773380.00	2.26347
443830.00	3773380.00	2.17287	443930.00	3773380.00	2.05309
444030.00	3773380.00	1.87464	444130.00	3773380.00	1.70111
444230.00	3773380.00	1.51484	444330.00	3773380.00	1.34778
442230.00	3773480.00	0.27786	442330.00	3773480.00	0.31154
442430.00	3773480.00	0.34796	442530.00	3773480.00	0.40126
442630.00	3773480.00	0.45670	442730.00	3773480.00	0.55089
442830.00	3773480.00	0.63871	442930.00	3773480.00	0.76850
443030.00	3773480.00	0.93015	443130.00	3773480.00	1.14615
443230.00	3773480.00	1.33842	443330.00	3773480.00	1.54718
443430.00	3773480.00	1.52161	443530.00	3773480.00	1.58160
443630.00	3773480.00	1.60739	443730.00	3773480.00	1.53202
443830.00	3773480.00	1.57923	443930.00	3773480.00	1.51041
444030.00	3773480.00	1.46517	444130.00	3773480.00	1.39656
444230.00	3773480.00	1.29666	444330.00	3773480.00	1.20133
442230.00	3773580.00	0.24715	442330.00	3773580.00	0.27648
442430.00	3773580.00	0.30829	442530.00	3773580.00	0.34604
442630.00	3773580.00	0.38777	442730.00	3773580.00	0.45145
442830.00	3773580.00	0.52729	442930.00	3773580.00	0.62318
443030.00	3773580.00	0.75129	443130.00	3773580.00	0.87356
443230.00	3773580.00	0.97690	443330.00	3773580.00	1.04613
443430.00	3773580.00	1.12726	443530.00	3773580.00	1.16586
443630.00	3773580.00	1.14621	443730.00	3773580.00	1.10991
443830.00	3773580.00	1.14255	443930.00	3773580.00	1.11887
444030.00	3773580.00	1.11295	444130.00	3773580.00	1.13394
444230.00	3773580.00	1.09105	444330.00	3773580.00	1.01709
442380.00	3772130.00	0.75808	442480.00	3772130.00	0.84547
442580.00	3772130.00	0.94624	442680.00	3772130.00	1.06186
442780.00	3772130.00	1.19343	442880.00	3772130.00	1.33989
442980.00	3772130.00	1.49800	443080.00	3772130.00	1.66308
443180.00	3772130.00	1.82372	443280.00	3772130.00	1.96483
443380.00	3772130.00	2.06700	443480.00	3772130.00	2.11307
443580.00	3772130.00	2.09110	443680.00	3772130.00	2.00575
443780.00	3772130.00	1.86406	443880.00	3772130.00	1.69521
443980.00	3772130.00	1.51934	444080.00	3772130.00	1.34958
442380.00	3772230.00	0.81168	442480.00	3772230.00	0.91461

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.03632	442680.00	3772230.00	1.18006
442780.00	3772230.00	1.34868	442880.00	3772230.00	1.54339
442980.00	3772230.00	1.76430	443080.00	3772230.00	2.00580
443180.00	3772230.00	2.25327	443280.00	3772230.00	2.48459
443380.00	3772230.00	2.66102	443480.00	3772230.00	2.74318
443580.00	3772230.00	2.71372	443680.00	3772230.00	2.57143
443780.00	3772230.00	2.33876	443880.00	3772230.00	2.07136
443980.00	3772230.00	1.80520	444080.00	3772230.00	1.55896
442380.00	3772330.00	0.86045	442480.00	3772330.00	0.98403
442580.00	3772330.00	1.12932	442680.00	3772330.00	1.30634
442780.00	3772330.00	1.52203	442880.00	3772330.00	1.78400
442980.00	3772330.00	2.09692	443080.00	3772330.00	2.45849
443180.00	3772330.00	2.85093	443280.00	3772330.00	3.24366
443380.00	3772330.00	3.56488	443480.00	3772330.00	3.74389
443580.00	3772330.00	3.70412	443680.00	3772330.00	3.43402
443780.00	3772330.00	3.02055	443880.00	3772330.00	2.57350
443980.00	3772330.00	2.17172	444080.00	3772330.00	1.82113
442380.00	3772430.00	0.87891	442480.00	3772430.00	1.02298
442580.00	3772430.00	1.21028	442680.00	3772430.00	1.43626
442780.00	3772430.00	1.70891	442880.00	3772430.00	2.05706
442980.00	3772430.00	2.49971	443080.00	3772430.00	3.05067
443180.00	3772430.00	3.70344	443280.00	3772430.00	4.40839
443380.00	3772430.00	5.05953	443480.00	3772430.00	5.48637
443580.00	3772430.00	5.45893	443680.00	3772430.00	4.88580
443780.00	3772430.00	4.06006	443880.00	3772430.00	3.26733
443980.00	3772430.00	2.60617	444080.00	3772430.00	2.11662
442380.00	3772530.00	0.86429	442480.00	3772530.00	1.03492
442580.00	3772530.00	1.26059	442680.00	3772530.00	1.53540
442780.00	3772530.00	1.89790	442880.00	3772530.00	2.35225
442980.00	3772530.00	2.97340	443080.00	3772530.00	3.81989
443180.00	3772530.00	4.93388	443280.00	3772530.00	6.28515
443380.00	3772530.00	7.73025	443480.00	3772530.00	8.96691
443580.00	3772530.00	9.19234	443680.00	3772530.00	7.70334
443780.00	3772530.00	5.70869	443880.00	3772530.00	4.18280
443980.00	3772530.00	3.15173	444080.00	3772530.00	2.45362
442380.00	3772630.00	0.81314	442480.00	3772630.00	1.01149
442580.00	3772630.00	1.24906	442680.00	3772630.00	1.55938
442780.00	3772630.00	1.95882	443680.00	3772630.00	14.47045
443780.00	3772630.00	8.27974	443880.00	3772630.00	5.38669
443980.00	3772630.00	3.78941	444080.00	3772630.00	2.82272

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.77199	442480.00	3772730.00	0.95857
442580.00	3772730.00	1.16350	442680.00	3772730.00	1.46227
442780.00	3772730.00	1.99293	443680.00	3772730.00	30.38609
443780.00	3772730.00	11.77904	443880.00	3772730.00	6.67576
443980.00	3772730.00	4.42755	444080.00	3772730.00	3.18847
442380.00	3772830.00	0.70401	442480.00	3772830.00	0.86860
442580.00	3772830.00	1.05884	442680.00	3772830.00	1.35839
442780.00	3772830.00	1.82617	443080.00	3772830.00	6.47692
443180.00	3772830.00	12.58137	443580.00	3772830.00	112.47090
443680.00	3772830.00	29.26220	443780.00	3772830.00	12.95800
443880.00	3772830.00	7.38453	443980.00	3772830.00	4.82794
444080.00	3772830.00	3.43801	442380.00	3772930.00	0.63506
442480.00	3772930.00	0.75100	442580.00	3772930.00	0.96187
442680.00	3772930.00	1.19239	442780.00	3772930.00	1.65416
442880.00	3772930.00	2.28160	442980.00	3772930.00	3.35817
443080.00	3772930.00	5.68856	443180.00	3772930.00	11.65960
443280.00	3772930.00	34.11058	443380.00	3772930.00	63.77413
443480.00	3772930.00	65.12105	443580.00	3772930.00	37.28628
443680.00	3772930.00	19.03115	443780.00	3772930.00	10.90782
443880.00	3772930.00	6.91323	443980.00	3772930.00	4.73996
444080.00	3772930.00	3.45205	442380.00	3773030.00	0.56401
442480.00	3773030.00	0.68357	442580.00	3773030.00	0.84189
442680.00	3773030.00	1.05241	442780.00	3773030.00	1.31595
442880.00	3773030.00	1.93107	442980.00	3773030.00	2.78189
443080.00	3773030.00	4.28489	443180.00	3773030.00	7.32189
443280.00	3773030.00	12.51933	443380.00	3773030.00	17.72546
443480.00	3773030.00	18.98069	443580.00	3773030.00	15.51536
443680.00	3773030.00	11.28608	443780.00	3773030.00	7.98636
443880.00	3773030.00	5.71038	443980.00	3773030.00	4.21352
444080.00	3773030.00	3.21016	442380.00	3773130.00	0.50206
442480.00	3773130.00	0.60140	442580.00	3773130.00	0.72963
442680.00	3773130.00	0.90368	442780.00	3773130.00	1.18194
442880.00	3773130.00	1.53451	442980.00	3773130.00	2.14517
443080.00	3773130.00	3.04350	443180.00	3773130.00	4.52516
443280.00	3773130.00	6.33995	443380.00	3773130.00	8.44730
443480.00	3773130.00	9.42150	443580.00	3773130.00	8.13080
443680.00	3773130.00	6.73163	443780.00	3773130.00	5.42537
443880.00	3773130.00	4.44947	443980.00	3773130.00	3.51678
444080.00	3773130.00	2.81611	442380.00	3773230.00	0.44890
442480.00	3773230.00	0.53326	442580.00	3773230.00	0.62484

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.76702	442780.00	3773230.00	0.93709
442880.00	3773230.00	1.19317	442980.00	3773230.00	1.61701
443080.00	3773230.00	2.12878	443180.00	3773230.00	2.96352
443280.00	3773230.00	3.82895	443380.00	3773230.00	4.76115
443480.00	3773230.00	4.68550	443580.00	3773230.00	4.44468
443680.00	3773230.00	4.20438	443780.00	3773230.00	3.83897
443880.00	3773230.00	3.29822	443980.00	3773230.00	2.81750
444080.00	3773230.00	2.39441			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.68915	442330.00	3771880.00	0.76423
442430.00	3771880.00	0.85042	442530.00	3771880.00	0.94881
442630.00	3771880.00	1.06078	442730.00	3771880.00	1.18641
442830.00	3771880.00	1.32313	442930.00	3771880.00	1.46719
443030.00	3771880.00	1.61164	443130.00	3771880.00	1.74256
443230.00	3771880.00	1.84460	443330.00	3771880.00	1.90318
443430.00	3771880.00	1.90786	443530.00	3771880.00	1.85731
443630.00	3771880.00	1.76044	443730.00	3771880.00	1.63044
443830.00	3771880.00	1.48855	443930.00	3771880.00	1.34362
444030.00	3771880.00	1.20363	444130.00	3771880.00	1.07781
444230.00	3771880.00	0.96451	444330.00	3771880.00	0.86332
442230.00	3771980.00	0.73461	442330.00	3771980.00	0.82210
442430.00	3771980.00	0.92469	442530.00	3771980.00	1.04509
442630.00	3771980.00	1.18586	442730.00	3771980.00	1.34997
442830.00	3771980.00	1.53561	442930.00	3771980.00	1.74171
443030.00	3771980.00	1.95587	443130.00	3771980.00	2.15981
443230.00	3771980.00	2.32433	443330.00	3771980.00	2.42464
443430.00	3771980.00	2.43572	443530.00	3771980.00	2.35492
443630.00	3771980.00	2.19029	443730.00	3771980.00	1.98825
443830.00	3771980.00	1.77719	443930.00	3771980.00	1.56947
444030.00	3771980.00	1.37792	444130.00	3771980.00	1.20928
444230.00	3771980.00	1.06365	444330.00	3771980.00	0.94479
442230.00	3772080.00	0.77908	442330.00	3772080.00	0.87989
442430.00	3772080.00	1.00079	442530.00	3772080.00	1.14661
442630.00	3772080.00	1.32283	442730.00	3772080.00	1.53558
442830.00	3772080.00	1.78987	442930.00	3772080.00	2.08630
443030.00	3772080.00	2.41653	443130.00	3772080.00	2.74940
443230.00	3772080.00	3.03706	443330.00	3772080.00	3.21663
443430.00	3772080.00	3.23534	443530.00	3772080.00	3.09578
443630.00	3772080.00	2.80993	443730.00	3772080.00	2.47541
443830.00	3772080.00	2.14698	443930.00	3772080.00	1.84206
444030.00	3772080.00	1.57931	444130.00	3772080.00	1.36008
444230.00	3772080.00	1.17986	444330.00	3772080.00	1.03126
442230.00	3772180.00	0.82027	442330.00	3772180.00	0.93473
442430.00	3772180.00	1.07484	442530.00	3772180.00	1.24874
442630.00	3772180.00	1.46630	442730.00	3772180.00	1.74041
442830.00	3772180.00	2.08658	442930.00	3772180.00	2.51740
443030.00	3772180.00	3.03647	443130.00	3772180.00	3.61462
443230.00	3772180.00	4.16269	443330.00	3772180.00	4.53415
443430.00	3772180.00	4.56880	443530.00	3772180.00	4.26498

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	3.73880	443730.00	3772180.00	3.16277
443830.00	3772180.00	2.62173	443930.00	3772180.00	2.17348
444030.00	3772180.00	1.80259	444130.00	3772180.00	1.52523
444230.00	3772180.00	1.29993	444330.00	3772180.00	1.12175
442230.00	3772280.00	0.85655	442330.00	3772280.00	0.98382
442430.00	3772280.00	1.14267	442530.00	3772280.00	1.34456
442630.00	3772280.00	1.60618	442730.00	3772280.00	1.95248
442830.00	3772280.00	2.41508	442930.00	3772280.00	3.03941
443030.00	3772280.00	3.87537	443130.00	3772280.00	4.93038
443230.00	3772280.00	6.06710	443330.00	3772280.00	6.91566
443430.00	3772280.00	7.01490	443530.00	3772280.00	6.30571
443630.00	3772280.00	5.19768	443730.00	3772280.00	4.10168
443830.00	3772280.00	3.22558	443930.00	3772280.00	2.56177
444030.00	3772280.00	2.06859	444130.00	3772280.00	1.70334
444230.00	3772280.00	1.42654	444330.00	3772280.00	1.21577
442230.00	3772380.00	0.81173	442330.00	3772380.00	1.00458
442430.00	3772380.00	1.12894	442530.00	3772380.00	1.34933
442630.00	3772380.00	1.73152	442730.00	3772380.00	2.15140
442830.00	3772380.00	2.74729	442930.00	3772380.00	3.62499
443030.00	3772380.00	4.95712	443130.00	3772380.00	6.97419
443230.00	3772380.00	9.70145	443330.00	3772380.00	12.12442
443430.00	3772380.00	12.44687	443530.00	3772380.00	10.37076
443630.00	3772380.00	7.60529	443730.00	3772380.00	5.41776
443830.00	3772380.00	3.96807	443930.00	3772380.00	3.00885
444030.00	3772380.00	2.35202	444130.00	3772380.00	1.89516
444230.00	3772380.00	1.56048	444330.00	3772380.00	1.31238
442230.00	3772480.00	0.75898	442330.00	3772480.00	0.89333
442430.00	3772480.00	1.06156	442530.00	3772480.00	1.33717
442630.00	3772480.00	1.82729	442730.00	3772480.00	2.30735
442830.00	3772480.00	3.02519	442930.00	3772480.00	4.16622
443030.00	3772480.00	6.15925	443130.00	3772480.00	9.97610
443230.00	3772480.00	17.59379	443330.00	3772480.00	27.62189
443430.00	3772480.00	29.18572	443530.00	3772480.00	20.29603
443630.00	3772480.00	11.73258	443730.00	3772480.00	7.20301
443830.00	3772480.00	4.85946	443930.00	3772480.00	3.49822
444030.00	3772480.00	2.65018	444130.00	3772480.00	2.09045
444230.00	3772480.00	1.69571	444330.00	3772480.00	1.40826
442230.00	3772580.00	0.66759	442330.00	3772580.00	0.80342
442430.00	3772580.00	1.01517	442530.00	3772580.00	1.23736
442630.00	3772580.00	1.59424	442730.00	3772580.00	2.10732

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.92599	442930.00	3772580.00	4.49576
443030.00	3772580.00	7.00053	443130.00	3772580.00	12.96079
443230.00	3772580.00	35.91756	443330.00	3772580.00	140.59638
443430.00	3772580.00	154.57546	443530.00	3772580.00	57.76508
443630.00	3772580.00	18.24622	443730.00	3772580.00	9.27898
443830.00	3772580.00	5.74665	443930.00	3772580.00	3.97748
444030.00	3772580.00	2.93516	444130.00	3772580.00	2.27136
444230.00	3772580.00	1.82089	444330.00	3772580.00	1.49736
442230.00	3772680.00	0.61837	442330.00	3772680.00	0.75352
442430.00	3772680.00	0.95297	442530.00	3772680.00	1.21186
442630.00	3772680.00	1.53477	442730.00	3772680.00	1.98194
442830.00	3772680.00	2.70239	443630.00	3772680.00	19.62065
443730.00	3772680.00	10.01463	443830.00	3772680.00	6.19091
443930.00	3772680.00	4.23715	444030.00	3772680.00	3.10383
444130.00	3772680.00	2.38823	444230.00	3772680.00	1.90350
444330.00	3772680.00	1.55828	442230.00	3772780.00	0.55832
442330.00	3772780.00	0.66510	442430.00	3772780.00	0.82645
442530.00	3772780.00	1.03648	442630.00	3772780.00	1.34730
442730.00	3772780.00	1.71937	442830.00	3772780.00	2.36427
443130.00	3772780.00	8.57202	443630.00	3772780.00	13.08433
443730.00	3772780.00	8.38814	443830.00	3772780.00	5.67815
443930.00	3772780.00	4.07333	444030.00	3772780.00	3.05853
444130.00	3772780.00	2.38390	444230.00	3772780.00	1.91394
444330.00	3772780.00	1.57444	442230.00	3772880.00	0.50460
442330.00	3772880.00	0.59542	442430.00	3772880.00	0.69405
442530.00	3772880.00	0.86489	442630.00	3772880.00	1.07246
442730.00	3772880.00	1.39489	442830.00	3772880.00	1.90817
442930.00	3772880.00	2.61651	443030.00	3772880.00	3.92941
443130.00	3772880.00	5.62247	443530.00	3772880.00	10.31573
443630.00	3772880.00	8.11333	443730.00	3772880.00	6.13517
443830.00	3772880.00	4.64025	443930.00	3772880.00	3.56665
444030.00	3772880.00	2.80109	444130.00	3772880.00	2.24778
444230.00	3772880.00	1.83997	444330.00	3772880.00	1.53376
442230.00	3772980.00	0.45269	442330.00	3772980.00	0.52403
442430.00	3772980.00	0.61330	442530.00	3772980.00	0.73630
442630.00	3772980.00	0.90160	442730.00	3772980.00	1.10193
442830.00	3772980.00	1.47412	442930.00	3772980.00	1.94554
443030.00	3772980.00	2.65122	443130.00	3772980.00	3.62409
443230.00	3772980.00	4.68811	443330.00	3772980.00	5.70879
443430.00	3772980.00	6.33668	443530.00	3772980.00	6.15160

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	5.35978	443730.00	3772980.00	4.39803
443830.00	3772980.00	3.62062	443930.00	3772980.00	2.96231
444030.00	3772980.00	2.43745	444130.00	3772980.00	2.02490
444230.00	3772980.00	1.70083	444330.00	3772980.00	1.44497
442230.00	3773080.00	0.40740	442330.00	3773080.00	0.46424
442430.00	3773080.00	0.53381	442530.00	3773080.00	0.63419
442630.00	3773080.00	0.75484	442730.00	3773080.00	0.94249
442830.00	3773080.00	1.15492	442930.00	3773080.00	1.51183
443030.00	3773080.00	1.87938	443130.00	3773080.00	2.33630
443230.00	3773080.00	2.98864	443330.00	3773080.00	3.55920
443430.00	3773080.00	3.90201	443530.00	3773080.00	3.78291
443630.00	3773080.00	3.45503	443730.00	3773080.00	3.12009
443830.00	3773080.00	2.84206	443930.00	3773080.00	2.42731
444030.00	3773080.00	2.07136	444130.00	3773080.00	1.77547
444230.00	3773080.00	1.53005	444330.00	3773080.00	1.32655
442230.00	3773180.00	0.36009	442330.00	3773180.00	0.40518
442430.00	3773180.00	0.46459	442530.00	3773180.00	0.53712
442630.00	3773180.00	0.62927	442730.00	3773180.00	0.75818
442830.00	3773180.00	0.91595	442930.00	3773180.00	1.09796
443030.00	3773180.00	1.34924	443130.00	3773180.00	1.64437
443230.00	3773180.00	2.01403	443330.00	3773180.00	2.40495
443430.00	3773180.00	2.58288	443530.00	3773180.00	2.38055
443630.00	3773180.00	2.35601	443730.00	3773180.00	2.21453
443830.00	3773180.00	2.06329	443930.00	3773180.00	1.93664
444030.00	3773180.00	1.77014	444130.00	3773180.00	1.54035
444230.00	3773180.00	1.35589	444330.00	3773180.00	1.19794
442230.00	3773280.00	0.32010	442330.00	3773280.00	0.35861
442430.00	3773280.00	0.40408	442530.00	3773280.00	0.45591
442630.00	3773280.00	0.53074	442730.00	3773280.00	0.61802
442830.00	3773280.00	0.72746	442930.00	3773280.00	0.87849
443030.00	3773280.00	1.00929	443130.00	3773280.00	1.21669
443230.00	3773280.00	1.42968	443330.00	3773280.00	1.67452
443430.00	3773280.00	1.77609	443530.00	3773280.00	1.69156
443630.00	3773280.00	1.64605	443730.00	3773280.00	1.56269
443830.00	3773280.00	1.62766	443930.00	3773280.00	1.51122
444030.00	3773280.00	1.42263	444130.00	3773280.00	1.34704
444230.00	3773280.00	1.23248	444330.00	3773280.00	1.12698
442230.00	3773380.00	0.27932	442330.00	3773380.00	0.31134
442430.00	3773380.00	0.34724	442530.00	3773380.00	0.38798
442630.00	3773380.00	0.43318	442730.00	3773380.00	0.51427

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.58572	442930.00	3773380.00	0.68056
443030.00	3773380.00	0.80496	443130.00	3773380.00	0.93023
443230.00	3773380.00	1.06466	443330.00	3773380.00	1.21001
443430.00	3773380.00	1.51061	443530.00	3773380.00	1.22956
443630.00	3773380.00	1.20142	443730.00	3773380.00	1.19249
443830.00	3773380.00	1.18712	443930.00	3773380.00	1.17899
444030.00	3773380.00	1.11746	444130.00	3773380.00	1.10143
444230.00	3773380.00	1.04581	444330.00	3773380.00	0.98436
442230.00	3773480.00	0.24915	442330.00	3773480.00	0.27370
442430.00	3773480.00	0.29892	442530.00	3773480.00	0.33570
442630.00	3773480.00	0.37103	442730.00	3773480.00	0.43137
442830.00	3773480.00	0.48125	442930.00	3773480.00	0.55273
443030.00	3773480.00	0.63492	443130.00	3773480.00	0.73748
443230.00	3773480.00	0.81642	443330.00	3773480.00	0.89844
443430.00	3773480.00	0.87114	443530.00	3773480.00	0.89131
443630.00	3773480.00	0.90264	443730.00	3773480.00	0.87118
443830.00	3773480.00	0.90805	443930.00	3773480.00	0.88812
444030.00	3773480.00	0.89025	444130.00	3773480.00	0.88824
444230.00	3773480.00	0.85919	444330.00	3773480.00	0.82316
442230.00	3773580.00	0.21878	442330.00	3773580.00	0.24029
442430.00	3773580.00	0.26260	442530.00	3773580.00	0.28805
442630.00	3773580.00	0.31466	442730.00	3773580.00	0.35553
442830.00	3773580.00	0.40181	442930.00	3773580.00	0.45732
443030.00	3773580.00	0.52731	443130.00	3773580.00	0.58743
443230.00	3773580.00	0.63259	443330.00	3773580.00	0.65806
443430.00	3773580.00	0.69126	443530.00	3773580.00	0.70539
443630.00	3773580.00	0.69358	443730.00	3773580.00	0.67610
443830.00	3773580.00	0.69730	443930.00	3773580.00	0.69055
444030.00	3773580.00	0.69605	444130.00	3773580.00	0.73051
444230.00	3773580.00	0.72612	444330.00	3773580.00	0.68809
442380.00	3772130.00	0.96986	442480.00	3772130.00	1.11415
442580.00	3772130.00	1.29102	442680.00	3772130.00	1.50894
442780.00	3772130.00	1.77765	442880.00	3772130.00	2.10455
442980.00	3772130.00	2.48986	443080.00	3772130.00	2.92000
443180.00	3772130.00	3.34571	443280.00	3772130.00	3.68163
443380.00	3772130.00	3.82730	443480.00	3772130.00	3.73174
443580.00	3772130.00	3.42666	443680.00	3772130.00	3.01328
443780.00	3772130.00	2.57193	443880.00	3772130.00	2.17274
443980.00	3772130.00	1.83484	444080.00	3772130.00	1.55643
442380.00	3772230.00	1.03079	442480.00	3772230.00	1.19824

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.40994	442680.00	3772230.00	1.68201
442780.00	3772230.00	2.03396	442880.00	3772230.00	2.48978
442980.00	3772230.00	3.07581	443080.00	3772230.00	3.79839
443180.00	3772230.00	4.59715	443280.00	3772230.00	5.30063
443380.00	3772230.00	5.62725	443480.00	3772230.00	5.40811
443580.00	3772230.00	4.77540	443680.00	3772230.00	3.98511
443780.00	3772230.00	3.23061	443880.00	3772230.00	2.61300
443980.00	3772230.00	2.13039	444080.00	3772230.00	1.75488
442380.00	3772330.00	1.08378	442480.00	3772330.00	1.27332
442580.00	3772330.00	1.51981	442680.00	3772330.00	1.84880
442780.00	3772330.00	2.29769	442880.00	3772330.00	2.92337
442980.00	3772330.00	3.81213	443080.00	3772330.00	5.06362
443180.00	3772330.00	6.68776	443280.00	3772330.00	8.36840
443380.00	3772330.00	9.22495	443480.00	3772330.00	8.67752
443580.00	3772330.00	7.11487	443680.00	3772330.00	5.42576
443780.00	3772330.00	4.09112	443880.00	3772330.00	3.13732
443980.00	3772330.00	2.47289	444080.00	3772330.00	1.98546
442380.00	3772430.00	0.99143	442480.00	3772430.00	1.22140
442580.00	3772430.00	1.59665	442680.00	3772430.00	1.99098
442780.00	3772430.00	2.53386	442880.00	3772430.00	3.34713
442980.00	3772430.00	4.63280	443080.00	3772430.00	6.77550
443180.00	3772430.00	10.38565	443280.00	3772430.00	15.37944
443380.00	3772430.00	18.52051	443480.00	3772430.00	16.52739
443580.00	3772430.00	11.60690	443680.00	3772430.00	7.60345
443780.00	3772430.00	5.20384	443880.00	3772430.00	3.76205
443980.00	3772430.00	2.83115	444080.00	3772430.00	2.22223
442380.00	3772530.00	0.94277	442480.00	3772530.00	1.14708
442580.00	3772530.00	1.47671	442680.00	3772530.00	1.97125
442780.00	3772530.00	2.69774	442880.00	3772530.00	3.66134
442980.00	3772530.00	5.32888	443080.00	3772530.00	8.62851
443180.00	3772530.00	16.61117	443280.00	3772530.00	38.24642
443380.00	3772530.00	57.81867	443480.00	3772530.00	46.03686
443580.00	3772530.00	21.26789	443680.00	3772530.00	10.79385
443780.00	3772530.00	6.54438	443880.00	3772530.00	4.42891
443980.00	3772530.00	3.22006	444080.00	3772530.00	2.46175
442380.00	3772630.00	0.85421	442480.00	3772630.00	1.08461
442580.00	3772630.00	1.37828	442680.00	3772630.00	1.76325
442780.00	3772630.00	2.33078	443680.00	3772630.00	13.71892
443780.00	3772630.00	7.61947	443880.00	3772630.00	4.97473
443980.00	3772630.00	3.53289	444080.00	3772630.00	2.65485

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.77182	442480.00	3772730.00	0.97846
442580.00	3772730.00	1.20773	442680.00	3772730.00	1.55610
442780.00	3772730.00	2.16608	443680.00	3772730.00	12.25246
443780.00	3772730.00	7.45869	443880.00	3772730.00	4.99917
443980.00	3772730.00	3.59928	444080.00	3772730.00	2.72242
442380.00	3772830.00	0.68296	442480.00	3772830.00	0.84056
442580.00	3772830.00	1.02531	442680.00	3772830.00	1.31682
442780.00	3772830.00	1.78517	443080.00	3772830.00	5.72478
443180.00	3772830.00	8.34464	443580.00	3772830.00	12.10793
443680.00	3772830.00	8.60091	443780.00	3772830.00	6.09745
443880.00	3772830.00	4.44840	443980.00	3772830.00	3.35650
444080.00	3772830.00	2.61325	442380.00	3772930.00	0.60480
442480.00	3772930.00	0.71073	442580.00	3772930.00	0.89430
442680.00	3772930.00	1.08974	442780.00	3772930.00	1.46196
442880.00	3772930.00	1.92916	442980.00	3772930.00	2.62847
443080.00	3772930.00	3.71406	443180.00	3772930.00	5.22140
443280.00	3772930.00	6.79521	443380.00	3772930.00	8.36212
443480.00	3772930.00	8.38448	443580.00	3772930.00	7.22367
443680.00	3772930.00	5.84287	443780.00	3772930.00	4.62160
443880.00	3772930.00	3.65676	443980.00	3772930.00	2.92147
444080.00	3772930.00	2.36719	442380.00	3773030.00	0.52923
442480.00	3773030.00	0.63144	442580.00	3773030.00	0.76062
442680.00	3773030.00	0.92159	442780.00	3773030.00	1.10423
442880.00	3773030.00	1.48905	442980.00	3773030.00	1.92722
443080.00	3773030.00	2.52898	443180.00	3773030.00	3.35042
443280.00	3773030.00	4.09848	443380.00	3773030.00	4.67285
443480.00	3773030.00	5.21374	443580.00	3773030.00	4.48624
443680.00	3773030.00	4.10300	443780.00	3773030.00	3.49705
443880.00	3773030.00	2.93107	443980.00	3773030.00	2.45432
444080.00	3773030.00	2.06654	442380.00	3773130.00	0.46404
442480.00	3773130.00	0.54433	442580.00	3773130.00	0.64193
442680.00	3773130.00	0.76438	442780.00	3773130.00	0.94289
442880.00	3773130.00	1.13578	442980.00	3773130.00	1.42372
443080.00	3773130.00	1.75511	443180.00	3773130.00	2.22357
443280.00	3773130.00	2.66890	443380.00	3773130.00	3.06462
443480.00	3773130.00	3.67358	443580.00	3773130.00	2.98446
443680.00	3773130.00	2.72485	443780.00	3773130.00	2.48682
443880.00	3773130.00	2.36490	443980.00	3773130.00	2.04781
444080.00	3773130.00	1.77481	442380.00	3773230.00	0.40790
442480.00	3773230.00	0.47202	442580.00	3773230.00	0.53624

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.63043	442780.00	3773230.00	0.73088
442880.00	3773230.00	0.86889	442980.00	3773230.00	1.07399
443080.00	3773230.00	1.27181	443180.00	3773230.00	1.56237
443280.00	3773230.00	1.82505	443380.00	3773230.00	2.11988
443480.00	3773230.00	2.02976	443580.00	3773230.00	1.93356
443680.00	3773230.00	1.92385	443780.00	3773230.00	1.89582
443880.00	3773230.00	1.76879	443980.00	3773230.00	1.65162
444080.00	3773230.00	1.54048			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.66419	442330.00	3771880.00	0.73406
442430.00	3771880.00	0.81374	442530.00	3771880.00	0.90404
442630.00	3771880.00	1.00599	442730.00	3771880.00	1.11947
442830.00	3771880.00	1.24200	442930.00	3771880.00	1.37028
443030.00	3771880.00	1.49849	443130.00	3771880.00	1.61511
443230.00	3771880.00	1.70766	443330.00	3771880.00	1.76423
443430.00	3771880.00	1.77569	443530.00	3771880.00	1.73972
443630.00	3771880.00	1.66217	443730.00	3771880.00	1.55278
443830.00	3771880.00	1.42953	443930.00	3771880.00	1.30022
444030.00	3771880.00	1.17252	444130.00	3771880.00	1.05576
444230.00	3771880.00	0.94907	444330.00	3771880.00	0.85263
442230.00	3771980.00	0.70811	442330.00	3771980.00	0.78953
442430.00	3771980.00	0.88429	442530.00	3771980.00	0.99458
442630.00	3771980.00	1.12230	442730.00	3771980.00	1.26967
442830.00	3771980.00	1.43460	442930.00	3771980.00	1.61584
443030.00	3771980.00	1.80277	443130.00	3771980.00	1.98064
443230.00	3771980.00	2.12630	443330.00	3771980.00	2.22042
443430.00	3771980.00	2.24200	443530.00	3771980.00	2.18641
443630.00	3771980.00	2.05614	443730.00	3771980.00	1.88790
443830.00	3771980.00	1.70543	443930.00	3771980.00	1.52007
444030.00	3771980.00	1.34477	444130.00	3771980.00	1.18736
444230.00	3771980.00	1.04930	444330.00	3771980.00	0.93535
442230.00	3772080.00	0.75138	442330.00	3772080.00	0.84534
442430.00	3772080.00	0.95710	442530.00	3772080.00	1.09061
442630.00	3772080.00	1.25018	442730.00	3772080.00	1.44038
442830.00	3772080.00	1.66452	442930.00	3772080.00	1.92189
443030.00	3772080.00	2.20475	443130.00	3772080.00	2.48776
443230.00	3772080.00	2.73445	443330.00	3772080.00	2.89733
443430.00	3772080.00	2.93426	443530.00	3772080.00	2.84214
443630.00	3772080.00	2.62052	443730.00	3772080.00	2.34476
443830.00	3772080.00	2.06139	443930.00	3772080.00	1.78824
444030.00	3772080.00	1.54613	444130.00	3772080.00	1.33982
444230.00	3772080.00	1.16757	444330.00	3772080.00	1.02390
442230.00	3772180.00	0.79211	442330.00	3772180.00	0.89904
442430.00	3772180.00	1.02883	442530.00	3772180.00	1.18823
442630.00	3772180.00	1.38523	442730.00	3772180.00	1.62993
442830.00	3772180.00	1.93331	442930.00	3772180.00	2.30309
443030.00	3772180.00	2.73893	443130.00	3772180.00	3.21559
443230.00	3772180.00	3.66635	443330.00	3772180.00	3.98663
443430.00	3772180.00	4.05628	443530.00	3772180.00	3.85946

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	3.46262	443730.00	3772180.00	2.99285
443830.00	3772180.00	2.52430	443930.00	3772180.00	2.11905
444030.00	3772180.00	1.77293	444130.00	3772180.00	1.50887
444230.00	3772180.00	1.29117	444330.00	3772180.00	1.11727
442230.00	3772280.00	0.82231	442330.00	3772280.00	0.94806
442430.00	3772280.00	1.09585	442530.00	3772280.00	1.28176
442630.00	3772280.00	1.51957	442730.00	3772280.00	1.82908
442830.00	3772280.00	2.23405	442930.00	3772280.00	2.76595
443030.00	3772280.00	3.45489	443130.00	3772280.00	4.29434
443230.00	3772280.00	5.17906	443330.00	3772280.00	5.86248
443430.00	3772280.00	6.03115	443530.00	3772280.00	5.59664
443630.00	3772280.00	4.78557	443730.00	3772280.00	3.89322
443830.00	3772280.00	3.12532	443930.00	3772280.00	2.51431
444030.00	3772280.00	2.04635	444130.00	3772280.00	1.69329
444230.00	3772280.00	1.42255	444330.00	3772280.00	1.21486
442230.00	3772380.00	0.78137	442330.00	3772380.00	0.95253
442430.00	3772380.00	1.09742	442530.00	3772380.00	1.30225
442630.00	3772380.00	1.64381	442730.00	3772380.00	2.02206
442830.00	3772380.00	2.54658	442930.00	3772380.00	3.29486
443030.00	3772380.00	4.38143	443130.00	3772380.00	5.92945
443230.00	3772380.00	7.89724	443330.00	3772380.00	9.64978
443430.00	3772380.00	10.12870	443530.00	3772380.00	8.96079
443630.00	3772380.00	6.99817	443730.00	3772380.00	5.19329
443830.00	3772380.00	3.88541	443930.00	3772380.00	2.97864
444030.00	3772380.00	2.34230	444130.00	3772380.00	1.89376
444230.00	3772380.00	1.56250	444330.00	3772380.00	1.31575
442230.00	3772480.00	0.73766	442330.00	3772480.00	0.86539
442430.00	3772480.00	1.02431	442530.00	3772480.00	1.28327
442630.00	3772480.00	1.72567	442730.00	3772480.00	2.18339
442830.00	3772480.00	2.82579	442930.00	3772480.00	3.81546
443030.00	3772480.00	5.45692	443130.00	3772480.00	8.33371
443230.00	3772480.00	13.30307	443330.00	3772480.00	19.30847
443430.00	3772480.00	21.18433	443530.00	3772480.00	16.87125
443630.00	3772480.00	10.96526	443730.00	3772480.00	7.04235
443830.00	3772480.00	4.82955	443930.00	3772480.00	3.50063
444030.00	3772480.00	2.66041	444130.00	3772480.00	2.10184
444230.00	3772480.00	1.70624	444330.00	3772480.00	1.41750
442230.00	3772580.00	0.65093	442330.00	3772580.00	0.78135
442430.00	3772580.00	0.97958	442530.00	3772580.00	1.19211
442630.00	3772580.00	1.53351	442730.00	3772580.00	2.01304

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.82390	442930.00	3772580.00	4.18223
443030.00	3772580.00	6.36570	443130.00	3772580.00	11.13257
443230.00	3772580.00	25.16452	443330.00	3772580.00	61.97458
443430.00	3772580.00	74.27109	443530.00	3772580.00	46.18667
443630.00	3772580.00	18.39249	443730.00	3772580.00	9.48613
443830.00	3772580.00	5.86900	443930.00	3772580.00	4.05341
444030.00	3772580.00	2.98491	444130.00	3772580.00	2.30587
444230.00	3772580.00	1.84597	444330.00	3772580.00	1.51619
442230.00	3772680.00	0.60551	442330.00	3772680.00	0.73646
442430.00	3772680.00	0.92941	442530.00	3772680.00	1.17331
442630.00	3772680.00	1.48931	442730.00	3772680.00	1.91877
442830.00	3772680.00	2.60461	443630.00	3772680.00	24.69795
443730.00	3772680.00	11.20582	443830.00	3772680.00	6.64137
443930.00	3772680.00	4.45228	444030.00	3772680.00	3.22283
444130.00	3772680.00	2.46121	444230.00	3772680.00	1.95161
444330.00	3772680.00	1.59174	442230.00	3772780.00	0.54913
442330.00	3772780.00	0.65352	442430.00	3772780.00	0.81102
442530.00	3772780.00	1.01618	442630.00	3772780.00	1.31996
442730.00	3772780.00	1.68538	442830.00	3772780.00	2.30892
443130.00	3772780.00	8.79768	443630.00	3772780.00	16.92285
443730.00	3772780.00	9.91191	443830.00	3772780.00	6.35782
443930.00	3772780.00	4.41706	444030.00	3772780.00	3.25077
444130.00	3772780.00	2.50041	444230.00	3772780.00	1.98918
444330.00	3772780.00	1.62559	442230.00	3772880.00	0.49815
442330.00	3772880.00	0.58770	442430.00	3772880.00	0.68521
442530.00	3772880.00	0.85426	442630.00	3772880.00	1.06072
442730.00	3772880.00	1.38329	442830.00	3772880.00	1.90264
442930.00	3772880.00	2.63624	443030.00	3772880.00	4.03861
443130.00	3772880.00	5.98369	443530.00	3772880.00	13.00243
443630.00	3772880.00	9.92494	443730.00	3772880.00	7.21095
443830.00	3772880.00	5.26292	443930.00	3772880.00	3.93397
444030.00	3772880.00	3.02614	444130.00	3772880.00	2.39182
444230.00	3772880.00	1.93591	444330.00	3772880.00	1.60005
442230.00	3772980.00	0.44837	442330.00	3772980.00	0.51932
442430.00	3772980.00	0.60845	442530.00	3772980.00	0.73186
442630.00	3772980.00	0.89902	442730.00	3772980.00	1.10438
442830.00	3772980.00	1.48894	442930.00	3772980.00	1.98869
443030.00	3772980.00	2.75987	443130.00	3772980.00	3.86490
443230.00	3772980.00	5.18900	443330.00	3772980.00	6.53500
443430.00	3772980.00	7.52424	443530.00	3772980.00	7.04183

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	6.27303	443730.00	3772980.00	4.99926
443830.00	3772980.00	4.07513	443930.00	3772980.00	3.27205
444030.00	3772980.00	2.64884	444130.00	3772980.00	2.17115
444230.00	3772980.00	1.80385	444330.00	3772980.00	1.51901
442230.00	3773080.00	0.40478	442330.00	3773080.00	0.46188
442430.00	3773080.00	0.53222	442530.00	3773080.00	0.63428
442630.00	3773080.00	0.75834	442730.00	3773080.00	0.95268
442830.00	3773080.00	1.17723	442930.00	3773080.00	1.55811
443030.00	3773080.00	1.96576	443130.00	3773080.00	2.49019
443230.00	3773080.00	3.25698	443330.00	3773080.00	3.96281
443430.00	3773080.00	4.40489	443530.00	3773080.00	4.28908
443630.00	3773080.00	3.90458	443730.00	3773080.00	3.50277
443830.00	3773080.00	3.15020	443930.00	3773080.00	2.66350
444030.00	3773080.00	2.24706	444130.00	3773080.00	1.90621
444230.00	3773080.00	1.62775	444330.00	3773080.00	1.40020
442230.00	3773180.00	0.35898	442330.00	3773180.00	0.40483
442430.00	3773180.00	0.46560	442530.00	3773180.00	0.54042
442630.00	3773180.00	0.63624	442730.00	3773180.00	0.77117
442830.00	3773180.00	0.93860	442930.00	3773180.00	1.13570
443030.00	3773180.00	1.41175	443130.00	3773180.00	1.74398
443230.00	3773180.00	2.16735	443330.00	3773180.00	2.62022
443430.00	3773180.00	2.84348	443530.00	3773180.00	2.62707
443630.00	3773180.00	2.59597	443730.00	3773180.00	2.44124
443830.00	3773180.00	2.26455	443930.00	3773180.00	2.11286
444030.00	3773180.00	1.92117	444130.00	3773180.00	1.64959
444230.00	3773180.00	1.44181	444330.00	3773180.00	1.26567
442230.00	3773280.00	0.32034	442330.00	3773280.00	0.35990
442430.00	3773280.00	0.40690	442530.00	3773280.00	0.46089
442630.00	3773280.00	0.53894	442730.00	3773280.00	0.63092
442830.00	3773280.00	0.74737	442930.00	3773280.00	0.90932
443030.00	3773280.00	1.05398	443130.00	3773280.00	1.28355
443230.00	3773280.00	1.52391	443330.00	3773280.00	1.80170
443430.00	3773280.00	1.92344	443530.00	3773280.00	1.83728
443630.00	3773280.00	1.78795	443730.00	3773280.00	1.69456
443830.00	3773280.00	1.76377	443930.00	3773280.00	1.63258
444030.00	3773280.00	1.53116	444130.00	3773280.00	1.42468
444230.00	3773280.00	1.29211	444330.00	3773280.00	1.17225
442230.00	3773380.00	0.28061	442330.00	3773380.00	0.31365
442430.00	3773380.00	0.35088	442530.00	3773380.00	0.39340
442630.00	3773380.00	0.44099	442730.00	3773380.00	0.52594

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.60219	442930.00	3773380.00	0.70395
443030.00	3773380.00	0.83845	443130.00	3773380.00	0.97644
443230.00	3773380.00	1.12633	443330.00	3773380.00	1.28876
443430.00	3773380.00	1.60982	443530.00	3773380.00	1.31934
443630.00	3773380.00	1.28983	443730.00	3773380.00	1.27912
443830.00	3773380.00	1.27120	443930.00	3773380.00	1.25946
444030.00	3773380.00	1.19139	444130.00	3773380.00	1.17348
444230.00	3773380.00	1.11073	444330.00	3773380.00	1.04246
442230.00	3773480.00	0.25104	442330.00	3773480.00	0.27641
442430.00	3773480.00	0.30268	442530.00	3773480.00	0.34097
442630.00	3773480.00	0.37821	442730.00	3773480.00	0.44145
442830.00	3773480.00	0.49462	442930.00	3773480.00	0.57090
443030.00	3773480.00	0.65949	443130.00	3773480.00	0.77072
443230.00	3773480.00	0.85834	443330.00	3773480.00	0.94958
443430.00	3773480.00	0.92398	443530.00	3773480.00	0.94764
443630.00	3773480.00	0.96051	443730.00	3773480.00	0.92671
443830.00	3773480.00	0.96479	443930.00	3773480.00	0.94259
444030.00	3773480.00	0.94344	444130.00	3773480.00	0.93972
444230.00	3773480.00	0.90609	444330.00	3773480.00	0.86616
442230.00	3773580.00	0.22079	442330.00	3773580.00	0.24301
442430.00	3773580.00	0.26625	442530.00	3773580.00	0.29290
442630.00	3773580.00	0.32094	442730.00	3773580.00	0.36378
442830.00	3773580.00	0.41260	442930.00	3773580.00	0.47154
443030.00	3773580.00	0.54629	443130.00	3773580.00	0.61156
443230.00	3773580.00	0.66160	443330.00	3773580.00	0.69095
443430.00	3773580.00	0.72814	443530.00	3773580.00	0.74454
443630.00	3773580.00	0.73267	443730.00	3773580.00	0.71418
443830.00	3773580.00	0.73625	443930.00	3773580.00	0.72864
444030.00	3773580.00	0.73378	444130.00	3773580.00	0.76872
444230.00	3773580.00	0.76310	444330.00	3773580.00	0.72274
442380.00	3772130.00	0.93009	442480.00	3772130.00	1.06288
442580.00	3772130.00	1.22404	442680.00	3772130.00	1.42005
442780.00	3772130.00	1.65809	442880.00	3772130.00	1.94277
442980.00	3772130.00	2.27235	443080.00	3772130.00	2.63454
443180.00	3772130.00	2.99076	443280.00	3772130.00	3.27775
443380.00	3772130.00	3.42054	443480.00	3772130.00	3.37538
443580.00	3772130.00	3.15430	443680.00	3772130.00	2.82657
443780.00	3772130.00	2.45423	443880.00	3772130.00	2.10179
443980.00	3772130.00	1.79302	444080.00	3772130.00	1.53209
442380.00	3772230.00	0.98999	442480.00	3772230.00	1.14464

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.33793	442680.00	3772230.00	1.58279
442780.00	3772230.00	1.89409	442880.00	3772230.00	2.28852
442980.00	3772230.00	2.78265	443080.00	3772230.00	3.37543
443180.00	3772230.00	4.01727	443280.00	3772230.00	4.58660
443380.00	3772230.00	4.88753	443480.00	3772230.00	4.78659
443580.00	3772230.00	4.34520	443680.00	3772230.00	3.72869
443780.00	3772230.00	3.09184	443880.00	3772230.00	2.54070
443980.00	3772230.00	2.09323	444080.00	3772230.00	1.73606
442380.00	3772330.00	1.01338	442480.00	3772330.00	1.21510
442580.00	3772330.00	1.44579	442680.00	3772330.00	1.74348
442780.00	3772330.00	2.14160	442880.00	3772330.00	2.68291
442980.00	3772330.00	3.42563	443080.00	3772330.00	4.42662
443180.00	3772330.00	5.66742	443280.00	3772330.00	6.92698
443380.00	3772330.00	7.65047	443480.00	3772330.00	7.43010
443580.00	3772330.00	6.39248	443680.00	3772330.00	5.08843
443780.00	3772330.00	3.94630	443880.00	3772330.00	3.07580
443980.00	3772330.00	2.44675	444080.00	3772330.00	1.97515
442380.00	3772430.00	0.95618	442480.00	3772430.00	1.16564
442580.00	3772430.00	1.48926	442680.00	3772430.00	1.88659
442780.00	3772430.00	2.37372	442880.00	3772430.00	3.08425
442980.00	3772430.00	4.16245	443080.00	3772430.00	5.85406
443180.00	3772430.00	8.46006	443280.00	3772430.00	11.78351
443380.00	3772430.00	14.06843	443480.00	3772430.00	13.36711
443580.00	3772430.00	10.32928	443680.00	3772430.00	7.22073
443780.00	3772430.00	5.08972	443880.00	3772430.00	3.72863
443980.00	3772430.00	2.82427	444080.00	3772430.00	2.22446
442380.00	3772530.00	0.91132	442480.00	3772530.00	1.10792
442580.00	3772530.00	1.41793	442680.00	3772530.00	1.90042
442780.00	3772530.00	2.51503	442880.00	3772530.00	3.41402
442980.00	3772530.00	4.85406	443080.00	3772530.00	7.52283
443180.00	3772530.00	13.12398	443280.00	3772530.00	24.68794
443380.00	3772530.00	35.51459	443480.00	3772530.00	32.28523
443580.00	3772530.00	19.22795	443680.00	3772530.00	10.59194
443780.00	3772530.00	6.55116	443880.00	3772530.00	4.46028
443980.00	3772530.00	3.24926	444080.00	3772530.00	2.48544
442380.00	3772630.00	0.83184	442480.00	3772630.00	1.05100
442580.00	3772630.00	1.33232	442680.00	3772630.00	1.70064
442780.00	3772630.00	2.23453	443680.00	3772630.00	14.92509
443780.00	3772630.00	8.02729	443880.00	3772630.00	5.16580
443980.00	3772630.00	3.63807	444080.00	3772630.00	2.71920

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.75588	442480.00	3772730.00	0.95653
442580.00	3772730.00	1.17891	442680.00	3772730.00	1.51674
442780.00	3772730.00	2.10336	443680.00	3772730.00	14.91089
443780.00	3772730.00	8.38695	443880.00	3772730.00	5.40781
443980.00	3772730.00	3.81044	444080.00	3772730.00	2.84414
442380.00	3772830.00	0.67254	442480.00	3772830.00	0.82735
442580.00	3772830.00	1.00932	442680.00	3772830.00	1.29728
442780.00	3772830.00	1.76267	443080.00	3772830.00	5.90033
443180.00	3772830.00	9.07825	443580.00	3772830.00	15.69872
443680.00	3772830.00	10.48314	443780.00	3772830.00	7.04084
443880.00	3772830.00	4.94480	443980.00	3772830.00	3.63624
444080.00	3772830.00	2.78146	442380.00	3772930.00	0.59835
442480.00	3772930.00	0.70378	442580.00	3772930.00	0.88701
442680.00	3772930.00	1.08422	442780.00	3772930.00	1.46199
442880.00	3772930.00	1.94660	442980.00	3772930.00	2.69229
443080.00	3772930.00	3.89298	443180.00	3772930.00	5.69653
443280.00	3772930.00	7.76347	443380.00	3772930.00	9.86765
443480.00	3772930.00	9.97799	443580.00	3772930.00	8.72067
443680.00	3772930.00	6.88716	443780.00	3772930.00	5.29854
443880.00	3772930.00	4.08714	443980.00	3772930.00	3.19758
444080.00	3772930.00	2.54815	442380.00	3773030.00	0.52584
442480.00	3773030.00	0.62867	442580.00	3773030.00	0.75970
442680.00	3773030.00	0.92491	442780.00	3773030.00	1.11606
442880.00	3773030.00	1.51983	442980.00	3773030.00	1.99457
443080.00	3773030.00	2.66886	443180.00	3773030.00	3.62304
443280.00	3773030.00	4.56021	443380.00	3773030.00	5.32067
443480.00	3773030.00	5.83816	443580.00	3773030.00	5.20470
443680.00	3773030.00	4.58804	443780.00	3773030.00	3.91041
443880.00	3773030.00	3.25261	443980.00	3773030.00	2.68447
444080.00	3773030.00	2.23135	442380.00	3773130.00	0.46318
442480.00	3773130.00	0.54502	442580.00	3773130.00	0.64544
442680.00	3773130.00	0.77275	442780.00	3773130.00	0.95992
442880.00	3773130.00	1.16692	442980.00	3773130.00	1.47985
443080.00	3773130.00	1.85093	443180.00	3773130.00	2.38532
443280.00	3773130.00	2.91477	443380.00	3773130.00	3.40062
443480.00	3773130.00	4.12854	443580.00	3773130.00	3.33893
443680.00	3773130.00	3.03750	443780.00	3773130.00	2.75716
443880.00	3773130.00	2.59682	443980.00	3773130.00	2.22664
444080.00	3773130.00	1.91202	442380.00	3773230.00	0.40911
442480.00	3773230.00	0.47512	442580.00	3773230.00	0.54214

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 , L0000121 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.64068	442780.00	3773230.00	0.74748
442880.00	3773230.00	0.89535	442980.00	3773230.00	1.11696
443080.00	3773230.00	1.33719	443180.00	3773230.00	1.66271
443280.00	3773230.00	1.96547	443380.00	3773230.00	2.30196
443480.00	3773230.00	2.21894	443580.00	3773230.00	2.11647
443680.00	3773230.00	2.09916	443780.00	3773230.00	2.07058
443880.00	3773230.00	1.92390	443980.00	3773230.00	1.78846
444080.00	3773230.00	1.63245			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.62037	442330.00	3771880.00	0.68429
442430.00	3771880.00	0.75730	442530.00	3771880.00	0.84036
442630.00	3771880.00	0.93472	442730.00	3771880.00	1.04082
442830.00	3771880.00	1.15729	442930.00	3771880.00	1.28221
443030.00	3771880.00	1.41155	443130.00	3771880.00	1.53609
443230.00	3771880.00	1.64485	443330.00	3771880.00	1.72585
443430.00	3771880.00	1.76781	443530.00	3771880.00	1.76410
443630.00	3771880.00	1.71549	443730.00	3771880.00	1.62757
443830.00	3771880.00	1.51701	443930.00	3771880.00	1.39224
444030.00	3771880.00	1.26284	444130.00	3771880.00	1.14087
444230.00	3771880.00	1.02691	444330.00	3771880.00	0.92235
442230.00	3771980.00	0.65797	442330.00	3771980.00	0.73156
442430.00	3771980.00	0.81721	442530.00	3771980.00	0.91703
442630.00	3771980.00	1.03311	442730.00	3771980.00	1.16801
442830.00	3771980.00	1.32115	442930.00	3771980.00	1.49301
443030.00	3771980.00	1.67666	443130.00	3771980.00	1.86148
443230.00	3771980.00	2.02843	443330.00	3771980.00	2.15906
443430.00	3771980.00	2.22931	443530.00	3771980.00	2.22610
443630.00	3771980.00	2.14108	443730.00	3771980.00	2.00349
443830.00	3771980.00	1.83583	443930.00	3771980.00	1.65175
444030.00	3771980.00	1.46886	444130.00	3771980.00	1.29949
444230.00	3771980.00	1.14804	444330.00	3771980.00	1.02183
442230.00	3772080.00	0.69450	442330.00	3772080.00	0.77843
442430.00	3772080.00	0.87801	442530.00	3772080.00	0.99683
442630.00	3772080.00	1.13898	442730.00	3772080.00	1.30915
442830.00	3772080.00	1.51161	442930.00	3772080.00	1.74836
443030.00	3772080.00	2.01683	443130.00	3772080.00	2.30072
443230.00	3772080.00	2.57315	443330.00	3772080.00	2.79269
443430.00	3772080.00	2.91262	443530.00	3772080.00	2.91161
443630.00	3772080.00	2.76495	443730.00	3772080.00	2.53287
443830.00	3772080.00	2.26289	443930.00	3772080.00	1.98068
444030.00	3772080.00	1.71845	444130.00	3772080.00	1.48878
444230.00	3772080.00	1.29414	444330.00	3772080.00	1.13063
442230.00	3772180.00	0.72844	442330.00	3772180.00	0.82276
442430.00	3772180.00	0.93672	442530.00	3772180.00	1.07617
442630.00	3772180.00	1.24805	442730.00	3772180.00	1.46152
442830.00	3772180.00	1.72729	442930.00	3772180.00	2.05538
443030.00	3772180.00	2.45228	443130.00	3772180.00	2.90838
443230.00	3772180.00	3.38177	443330.00	3772180.00	3.79098
443430.00	3772180.00	4.01524	443530.00	3772180.00	3.99311

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	3.72937	443730.00	3772180.00	3.32007
443830.00	3772180.00	2.84798	443930.00	3772180.00	2.40674
444030.00	3772180.00	2.01235	444130.00	3772180.00	1.70617
444230.00	3772180.00	1.45138	444330.00	3772180.00	1.24778
442230.00	3772280.00	0.73895	442330.00	3772280.00	0.86275
442430.00	3772280.00	0.99076	442530.00	3772280.00	1.15059
442630.00	3772280.00	1.35361	442730.00	3772280.00	1.61643
442830.00	3772280.00	1.95966	442930.00	3772280.00	2.41225
443030.00	3772280.00	3.00824	443130.00	3772280.00	3.76514
443230.00	3772280.00	4.63682	443330.00	3772280.00	5.45792
443430.00	3772280.00	5.94397	443530.00	3772280.00	5.89028
443630.00	3772280.00	5.33504	443730.00	3772280.00	4.49986
443830.00	3772280.00	3.66551	443930.00	3772280.00	2.94906
444030.00	3772280.00	2.38268	444130.00	3772280.00	1.95205
444230.00	3772280.00	1.62290	444330.00	3772280.00	1.37250
442230.00	3772380.00	0.69886	442330.00	3772380.00	0.84227
442430.00	3772380.00	0.94720	442530.00	3772380.00	1.13030
442630.00	3772380.00	1.42814	442730.00	3772380.00	1.76139
442830.00	3772380.00	2.19048	442930.00	3772380.00	2.79825
443030.00	3772380.00	3.68332	443130.00	3772380.00	4.97739
443230.00	3772380.00	6.75239	443330.00	3772380.00	8.67201
443430.00	3772380.00	9.90458	443530.00	3772380.00	9.74982
443630.00	3772380.00	8.31547	443730.00	3772380.00	6.41625
443830.00	3772380.00	4.80955	443930.00	3772380.00	3.63456
444030.00	3772380.00	2.80517	444130.00	3772380.00	2.22820
444230.00	3772380.00	1.80958	444330.00	3772380.00	1.50345
442230.00	3772480.00	0.66066	442330.00	3772480.00	0.76926
442430.00	3772480.00	0.90201	442530.00	3772480.00	1.11562
442630.00	3772480.00	1.48475	442730.00	3772480.00	1.87374
442830.00	3772480.00	2.38616	442930.00	3772480.00	3.15270
443030.00	3772480.00	4.40196	443130.00	3772480.00	6.58937
443230.00	3772480.00	10.59511	443330.00	3772480.00	16.41817
443430.00	3772480.00	20.42339	443530.00	3772480.00	19.84189
443630.00	3772480.00	14.92682	443730.00	3772480.00	9.70485
443830.00	3772480.00	6.41828	443930.00	3772480.00	4.46659
444030.00	3772480.00	3.28095	444130.00	3772480.00	2.52362
444230.00	3772480.00	2.00515	444330.00	3772480.00	1.63733
442230.00	3772580.00	0.57849	442330.00	3772580.00	0.68780
442430.00	3772580.00	0.85782	442530.00	3772580.00	1.03277
442630.00	3772580.00	1.31103	442730.00	3772580.00	1.68756

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	2.26719	442930.00	3772580.00	3.34088
443030.00	3772580.00	4.93337	443130.00	3772580.00	8.16179
443230.00	3772580.00	17.66682	443330.00	3772580.00	53.10693
443430.00	3772580.00	72.70360	443530.00	3772580.00	71.80387
443630.00	3772580.00	35.55324	443730.00	3772580.00	15.42562
443830.00	3772580.00	8.45960	443930.00	3772580.00	5.41627
444030.00	3772580.00	3.78794	444130.00	3772580.00	2.82152
444230.00	3772580.00	2.19874	444330.00	3772580.00	1.76870
442230.00	3772680.00	0.53887	442330.00	3772680.00	0.64883
442430.00	3772680.00	0.80844	442530.00	3772680.00	1.01302
442630.00	3772680.00	1.26868	442730.00	3772680.00	1.60494
442830.00	3772680.00	2.12253	443630.00	3772680.00	86.77971
443730.00	3772680.00	21.34003	443830.00	3772680.00	10.23114
443930.00	3772680.00	6.15480	444030.00	3772680.00	4.17427
444130.00	3772680.00	3.05275	444230.00	3772680.00	2.34678
444330.00	3772680.00	1.86992	442230.00	3772780.00	0.49027
442330.00	3772780.00	0.57798	442430.00	3772780.00	0.70886
442530.00	3772780.00	0.87620	442630.00	3772780.00	1.11889
442730.00	3772780.00	1.40141	442830.00	3772780.00	1.88365
443130.00	3772780.00	6.16530	443630.00	3772780.00	42.77142
443730.00	3772780.00	17.86846	443830.00	3772780.00	9.62594
443930.00	3772780.00	6.07621	444030.00	3772780.00	4.20779
444130.00	3772780.00	3.10391	444230.00	3772780.00	2.39516
444330.00	3772780.00	1.91252	442230.00	3772880.00	0.44659
442330.00	3772880.00	0.52227	442430.00	3772880.00	0.60328
442530.00	3772880.00	0.74245	442630.00	3772880.00	0.90875
442730.00	3772880.00	1.16384	442830.00	3772880.00	1.56456
442930.00	3772880.00	2.10950	443030.00	3772880.00	3.15299
443130.00	3772880.00	4.50208	443530.00	3772880.00	14.95472
443630.00	3772880.00	13.93285	443730.00	3772880.00	10.32256
443830.00	3772880.00	7.22202	443930.00	3772880.00	5.15270
444030.00	3772880.00	3.81304	444130.00	3772880.00	2.92276
444230.00	3772880.00	2.30865	444330.00	3772880.00	1.87098
442230.00	3772980.00	0.40380	442330.00	3772980.00	0.46415
442430.00	3772980.00	0.53910	442530.00	3772980.00	0.64174
442630.00	3772980.00	0.77879	442730.00	3772980.00	0.94398
442830.00	3772980.00	1.24995	442930.00	3772980.00	1.63913
443030.00	3772980.00	2.23129	443130.00	3772980.00	3.09018
443230.00	3772980.00	4.19173	443330.00	3772980.00	5.49544
443430.00	3772980.00	6.84900	443530.00	3772980.00	7.35836

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	7.35002	443730.00	3772980.00	5.99366
443830.00	3772980.00	5.05878	443930.00	3772980.00	4.02596
444030.00	3772980.00	3.20533	444130.00	3772980.00	2.58258
444230.00	3772980.00	2.11186	444330.00	3772980.00	1.75342
442230.00	3773080.00	0.36634	442330.00	3773080.00	0.41533
442430.00	3773080.00	0.47515	442530.00	3773080.00	0.56143
442630.00	3773080.00	0.66522	442730.00	3773080.00	0.82675
442830.00	3773080.00	1.01118	442930.00	3773080.00	1.32210
443030.00	3773080.00	1.65578	443130.00	3773080.00	2.09571
443230.00	3773080.00	2.77032	443330.00	3773080.00	3.52869
443430.00	3773080.00	4.16521	443530.00	3773080.00	4.35491
443630.00	3773080.00	4.19199	443730.00	3773080.00	3.86333
443830.00	3773080.00	3.65215	443930.00	3773080.00	3.11950
444030.00	3773080.00	2.61701	444130.00	3773080.00	2.20273
444230.00	3773080.00	1.86479	444330.00	3773080.00	1.58995
442230.00	3773180.00	0.32682	442330.00	3773180.00	0.36668
442430.00	3773180.00	0.41933	442530.00	3773180.00	0.48382
442630.00	3773180.00	0.56607	442730.00	3773180.00	0.68138
442830.00	3773180.00	0.82412	442930.00	3773180.00	0.99264
443030.00	3773180.00	1.23069	443130.00	3773180.00	1.52518
443230.00	3773180.00	1.92012	443330.00	3773180.00	2.38772
443430.00	3773180.00	2.72107	443530.00	3773180.00	2.60812
443630.00	3773180.00	2.69662	443730.00	3773180.00	2.59604
443830.00	3773180.00	2.43208	443930.00	3773180.00	2.28434
444030.00	3773180.00	2.08340	444130.00	3773180.00	1.86687
444230.00	3773180.00	1.62480	444330.00	3773180.00	1.41339
442230.00	3773280.00	0.29352	442330.00	3773280.00	0.32852
442430.00	3773280.00	0.37001	442530.00	3773280.00	0.41761
442630.00	3773280.00	0.48622	442730.00	3773280.00	0.56698
442830.00	3773280.00	0.66926	442930.00	3773280.00	0.81201
443030.00	3773280.00	0.94289	443130.00	3773280.00	1.15365
443230.00	3773280.00	1.38632	443330.00	3773280.00	1.67298
443430.00	3773280.00	1.83801	443530.00	3773280.00	1.81265
443630.00	3773280.00	1.81118	443730.00	3773280.00	1.74515
443830.00	3773280.00	1.86055	443930.00	3773280.00	1.72602
444030.00	3773280.00	1.62436	444130.00	3773280.00	1.55004
444230.00	3773280.00	1.41501	444330.00	3773280.00	1.29146
442230.00	3773380.00	0.25907	442330.00	3773380.00	0.28884
442430.00	3773380.00	0.32234	442530.00	3773380.00	0.36054
442630.00	3773380.00	0.40332	442730.00	3773380.00	0.47938

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.54820	442930.00	3773380.00	0.64053
443030.00	3773380.00	0.76394	443130.00	3773380.00	0.89494
443230.00	3773380.00	1.04358	443330.00	3773380.00	1.21337
443430.00	3773380.00	1.55497	443530.00	3773380.00	1.29876
443630.00	3773380.00	1.29491	443730.00	3773380.00	1.30207
443830.00	3773380.00	1.30483	443930.00	3773380.00	1.30034
444030.00	3773380.00	1.23207	444130.00	3773380.00	1.23004
444230.00	3773380.00	1.16796	444330.00	3773380.00	1.09908
442230.00	3773480.00	0.23352	442330.00	3773480.00	0.25667
442430.00	3773480.00	0.28062	442530.00	3773480.00	0.31548
442630.00	3773480.00	0.34954	442730.00	3773480.00	0.40718
442830.00	3773480.00	0.45623	442930.00	3773480.00	0.52675
443030.00	3773480.00	0.60986	443130.00	3773480.00	0.71638
443230.00	3773480.00	0.80574	443330.00	3773480.00	0.90328
443430.00	3773480.00	0.89432	443530.00	3773480.00	0.93273
443630.00	3773480.00	0.95949	443730.00	3773480.00	0.93557
443830.00	3773480.00	0.98090	443930.00	3773480.00	0.96129
444030.00	3773480.00	0.96486	444130.00	3773480.00	0.96405
444230.00	3773480.00	0.93356	444330.00	3773480.00	0.89523
442230.00	3773580.00	0.20687	442330.00	3773580.00	0.22730
442430.00	3773580.00	0.24871	442530.00	3773580.00	0.27335
442630.00	3773580.00	0.29944	442730.00	3773580.00	0.33914
442830.00	3773580.00	0.38456	442930.00	3773580.00	0.43979
443030.00	3773580.00	0.51063	443130.00	3773580.00	0.57470
443230.00	3773580.00	0.62713	443330.00	3773580.00	0.66249
443430.00	3773580.00	0.70711	443530.00	3773580.00	0.73270
443630.00	3773580.00	0.72977	443730.00	3773580.00	0.71756
443830.00	3773580.00	0.74384	443930.00	3773580.00	0.73796
444030.00	3773580.00	0.74434	444130.00	3773580.00	0.78285
444230.00	3773580.00	0.77871	444330.00	3773580.00	0.73748
442380.00	3772130.00	0.85186	442480.00	3772130.00	0.96919
442580.00	3772130.00	1.11131	442680.00	3772130.00	1.28426
442780.00	3772130.00	1.49513	442880.00	3772130.00	1.75015
442980.00	3772130.00	2.05197	443080.00	3772130.00	2.39676
443180.00	3772130.00	2.76043	443280.00	3772130.00	3.09512
443380.00	3772130.00	3.33149	443480.00	3772130.00	3.40903
443580.00	3772130.00	3.30392	443680.00	3772130.00	3.05312
443780.00	3772130.00	2.70845	443880.00	3772130.00	2.34775
443980.00	3772130.00	2.01232	444080.00	3772130.00	1.71896
442380.00	3772230.00	0.90082	442480.00	3772230.00	1.03527

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.20240	442680.00	3772230.00	1.41333
442780.00	3772230.00	1.68144	442880.00	3772230.00	2.02260
442980.00	3772230.00	2.45609	443080.00	3772230.00	2.99308
443180.00	3772230.00	3.61337	443280.00	3772230.00	4.23949
443380.00	3772230.00	4.70914	443480.00	3772230.00	4.85691
443580.00	3772230.00	4.64461	443680.00	3772230.00	4.15265
443780.00	3772230.00	3.52803	443880.00	3772230.00	2.92696
443980.00	3772230.00	2.41088	444080.00	3772230.00	1.98814
442380.00	3772330.00	0.90787	442480.00	3772330.00	1.07769
442580.00	3772330.00	1.28675	442680.00	3772330.00	1.53714
442780.00	3772330.00	1.86962	442880.00	3772330.00	2.31963
442980.00	3772330.00	2.93930	443080.00	3772330.00	3.79168
443180.00	3772330.00	4.90837	443280.00	3772330.00	6.19125
443380.00	3772330.00	7.23986	443480.00	3772330.00	7.60385
443580.00	3772330.00	7.08793	443680.00	3772330.00	5.96449
443780.00	3772330.00	4.73341	443880.00	3772330.00	3.69131
443980.00	3772330.00	2.90813	444080.00	3772330.00	2.31575
442380.00	3772430.00	0.84666	442480.00	3772430.00	1.01969
442580.00	3772430.00	1.29399	442680.00	3772430.00	1.64385
442780.00	3772430.00	2.03858	442880.00	3772430.00	2.60547
442980.00	3772430.00	3.45668	443080.00	3772430.00	4.79355
443180.00	3772430.00	6.92865	443280.00	3772430.00	9.98166
443380.00	3772430.00	12.90097	443480.00	3772430.00	13.92269
443580.00	3772430.00	12.36285	443680.00	3772430.00	9.28531
443780.00	3772430.00	6.57648	443880.00	3772430.00	4.71395
443980.00	3772430.00	3.47466	444080.00	3772430.00	2.67199
442380.00	3772530.00	0.80409	442480.00	3772530.00	0.96877
442580.00	3772530.00	1.22220	442680.00	3772530.00	1.59917
442780.00	3772530.00	2.10715	442880.00	3772530.00	2.80798
442980.00	3772530.00	3.89987	443080.00	3772530.00	5.83422
443180.00	3772530.00	9.88955	443280.00	3772530.00	19.33538
443380.00	3772530.00	31.32272	443480.00	3772530.00	35.07264
443580.00	3772530.00	28.32216	443680.00	3772530.00	16.26895
443780.00	3772530.00	9.38713	443880.00	3772530.00	5.98339
443980.00	3772530.00	4.14762	444080.00	3772530.00	3.05820
442380.00	3772630.00	0.72864	442480.00	3772630.00	0.91136
442580.00	3772630.00	1.14475	442680.00	3772630.00	1.43879
442780.00	3772630.00	1.84988	443680.00	3772630.00	30.95871
443780.00	3772630.00	12.91187	443880.00	3772630.00	7.34283
443980.00	3772630.00	4.80042	444080.00	3772630.00	3.41623

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.66376	442480.00	3772730.00	0.82890
442580.00	3772730.00	1.00724	442680.00	3772730.00	1.27243
442780.00	3772730.00	1.73708	443680.00	3772730.00	36.40127
443780.00	3772730.00	14.17900	443880.00	3772730.00	7.86338
443980.00	3772730.00	5.09829	444080.00	3772730.00	3.60783
442380.00	3772830.00	0.59331	442480.00	3772830.00	0.72109
442580.00	3772830.00	0.86809	442680.00	3772830.00	1.09675
442780.00	3772830.00	1.45741	443080.00	3772830.00	4.40034
443180.00	3772830.00	6.40391	443580.00	3772830.00	24.14670
443680.00	3772830.00	17.61387	443780.00	3772830.00	10.68930
443880.00	3772830.00	6.88700	443980.00	3772830.00	4.76705
444080.00	3772830.00	3.49190	442380.00	3772930.00	0.53086
442480.00	3772930.00	0.61835	442580.00	3772930.00	0.76901
442680.00	3772930.00	0.92711	442780.00	3772930.00	1.22642
442880.00	3772930.00	1.59939	442980.00	3772930.00	2.15881
443080.00	3772930.00	3.04832	443180.00	3772930.00	4.41077
443280.00	3772930.00	6.07082	443380.00	3772930.00	8.22839
443480.00	3772930.00	9.88246	443580.00	3772930.00	10.44084
443680.00	3772930.00	8.98765	443780.00	3772930.00	6.95889
443880.00	3772930.00	5.25619	443980.00	3772930.00	4.00288
444080.00	3772930.00	3.10983	442380.00	3773030.00	0.46958
442480.00	3773030.00	0.55630	442580.00	3773030.00	0.66546
442680.00	3773030.00	0.80120	442780.00	3773030.00	0.95581
442880.00	3773030.00	1.28079	442980.00	3773030.00	1.65790
443080.00	3773030.00	2.19465	443180.00	3773030.00	2.97943
443280.00	3773030.00	3.86892	443380.00	3773030.00	4.78044
443480.00	3773030.00	5.70610	443580.00	3773030.00	5.47641
443680.00	3773030.00	5.22240	443780.00	3773030.00	4.61923
443880.00	3773030.00	3.90910	443980.00	3773030.00	3.20057
444080.00	3773030.00	2.63142	442380.00	3773130.00	0.41666
442480.00	3773130.00	0.48674	442580.00	3773130.00	0.57207
442680.00	3773130.00	0.67956	442780.00	3773130.00	0.83679
442880.00	3773130.00	1.00987	442980.00	3773130.00	1.27177
443080.00	3773130.00	1.58741	443180.00	3773130.00	2.05754
443280.00	3773130.00	2.56797	443380.00	3773130.00	3.15647
443480.00	3773130.00	4.14534	443580.00	3773130.00	3.45442
443680.00	3773130.00	3.25232	443780.00	3773130.00	2.99315
443880.00	3773130.00	2.98292	443980.00	3773130.00	2.55730
444080.00	3773130.00	2.18690	442380.00	3773230.00	0.37103
442480.00	3773230.00	0.42867	442580.00	3773230.00	0.48696

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0000181 , L0000182 , L0000183 , L0000184 , L0000185 ,
L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 ,
L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 ,
L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.57246	442780.00	3773230.00	0.66507
442880.00	3773230.00	0.79345	442980.00	3773230.00	0.98666
443080.00	3773230.00	1.18378	443180.00	3773230.00	1.48272
443280.00	3773230.00	1.78543	443380.00	3773230.00	2.15650
443480.00	3773230.00	2.15325	443580.00	3773230.00	2.12738
443680.00	3773230.00	2.17114	443780.00	3773230.00	2.19553
443880.00	3773230.00	2.05164	443980.00	3773230.00	1.91391
444080.00	3773230.00	1.79720			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.69947	442330.00	3771880.00	0.77066
442430.00	3771880.00	0.85056	442530.00	3771880.00	0.93911
442630.00	3771880.00	1.03647	442730.00	3771880.00	1.14113
442830.00	3771880.00	1.24879	442930.00	3771880.00	1.35485
443030.00	3771880.00	1.45285	443130.00	3771880.00	1.53176
443230.00	3771880.00	1.58220	443330.00	3771880.00	1.59746
443430.00	3771880.00	1.57466	443530.00	3771880.00	1.51656
443630.00	3771880.00	1.43110	443730.00	3771880.00	1.32688
443830.00	3771880.00	1.21759	443930.00	3771880.00	1.10770
444030.00	3771880.00	1.00169	444130.00	3771880.00	0.90598
444230.00	3771880.00	0.81895	444330.00	3771880.00	0.74025
442230.00	3771980.00	0.75344	442330.00	3771980.00	0.83837
442430.00	3771980.00	0.93578	442530.00	3771980.00	1.04696
442630.00	3771980.00	1.17233	442730.00	3771980.00	1.31234
442830.00	3771980.00	1.46130	442930.00	3771980.00	1.61547
443030.00	3771980.00	1.76090	443130.00	3771980.00	1.88282
443230.00	3771980.00	1.96242	443330.00	3771980.00	1.99006
443430.00	3771980.00	1.95709	443530.00	3771980.00	1.86909
443630.00	3771980.00	1.73312	443730.00	3771980.00	1.57964
443830.00	3771980.00	1.42440	443930.00	3771980.00	1.27263
444030.00	3771980.00	1.13176	444130.00	3771980.00	1.00619
444230.00	3771980.00	0.89610	444330.00	3771980.00	0.80508
442230.00	3772080.00	0.80884	442330.00	3772080.00	0.90936
442430.00	3772080.00	1.02764	442530.00	3772080.00	1.16667
442630.00	3772080.00	1.32890	442730.00	3772080.00	1.51601
442830.00	3772080.00	1.72658	442930.00	3772080.00	1.95317
443030.00	3772080.00	2.18076	443130.00	3772080.00	2.37881
443230.00	3772080.00	2.51646	443330.00	3772080.00	2.56477
443430.00	3772080.00	2.50945	443530.00	3772080.00	2.36850
443630.00	3772080.00	2.14971	443730.00	3772080.00	1.91155
443830.00	3772080.00	1.68213	443930.00	3772080.00	1.46782
444030.00	3772080.00	1.28014	444130.00	3772080.00	1.12042
444230.00	3772080.00	0.98644	444330.00	3772080.00	0.87377
442230.00	3772180.00	0.86378	442330.00	3772180.00	0.98148
442430.00	3772180.00	1.12355	442530.00	3772180.00	1.29568
442630.00	3772180.00	1.50459	442730.00	3772180.00	1.75678
442830.00	3772180.00	2.05666	442930.00	3772180.00	2.39894
443030.00	3772180.00	2.76601	443130.00	3772180.00	3.11400
443230.00	3772180.00	3.37383	443330.00	3772180.00	3.47709
443430.00	3772180.00	3.37518	443530.00	3772180.00	3.10778

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.74207	443730.00	3772180.00	2.36238
443830.00	3772180.00	2.00454	443930.00	3772180.00	1.70154
444030.00	3772180.00	1.44303	444130.00	3772180.00	1.24492
444230.00	3772180.00	1.07948	444330.00	3772180.00	0.94561
442230.00	3772280.00	0.91342	442330.00	3772280.00	1.05167
442430.00	3772280.00	1.21946	442530.00	3772280.00	1.42945
442630.00	3772280.00	1.69488	442730.00	3772280.00	2.03204
442830.00	3772280.00	2.45910	442930.00	3772280.00	2.98928
443030.00	3772280.00	3.61567	443130.00	3772280.00	4.26950
443230.00	3772280.00	4.79771	443330.00	3772280.00	5.01935
443430.00	3772280.00	4.82785	443530.00	3772280.00	4.29728
443630.00	3772280.00	3.61838	443730.00	3772280.00	2.95478
443830.00	3772280.00	2.40626	443930.00	3772280.00	1.97232
444030.00	3772280.00	1.63645	444130.00	3772280.00	1.37882
444230.00	3772280.00	1.17745	444330.00	3772280.00	1.02023
442230.00	3772380.00	0.93350	442330.00	3772380.00	1.10454
442430.00	3772380.00	1.28491	442530.00	3772380.00	1.53665
442630.00	3772380.00	1.88954	442730.00	3772380.00	2.33153
442830.00	3772380.00	2.93349	442930.00	3772380.00	3.76100
443030.00	3772380.00	4.87218	443130.00	3772380.00	6.23231
443230.00	3772380.00	7.51352	443330.00	3772380.00	8.08455
443430.00	3772380.00	7.65439	443530.00	3772380.00	6.43307
443630.00	3772380.00	4.98448	443730.00	3772380.00	3.76423
443830.00	3772380.00	2.89402	443930.00	3772380.00	2.28221
444030.00	3772380.00	1.84167	444130.00	3772380.00	1.52290
444230.00	3772380.00	1.28114	444330.00	3772380.00	1.09697
442230.00	3772480.00	0.92093	442330.00	3772480.00	1.08868
442430.00	3772480.00	1.29736	442530.00	3772480.00	1.62454
442630.00	3772480.00	2.06694	442730.00	3772480.00	2.62908
442830.00	3772480.00	3.44746	442930.00	3772480.00	4.70388
443030.00	3772480.00	6.70871	443130.00	3772480.00	9.89790
443230.00	3772480.00	13.85120	443330.00	3772480.00	15.82045
443430.00	3772480.00	14.66044	443530.00	3772480.00	11.08116
443630.00	3772480.00	7.26849	443730.00	3772480.00	4.85579
443830.00	3772480.00	3.47933	443930.00	3772480.00	2.62210
444030.00	3772480.00	2.05864	444130.00	3772480.00	1.67069
444230.00	3772480.00	1.38689	444330.00	3772480.00	1.17400
442230.00	3772580.00	0.84236	442330.00	3772580.00	1.01869
442430.00	3772580.00	1.28198	442530.00	3772580.00	1.58639
442630.00	3772580.00	2.07030	442730.00	3772580.00	2.75837

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	3.82951	442930.00	3772580.00	5.67163
443030.00	3772580.00	9.08543	443130.00	3772580.00	17.15945
443230.00	3772580.00	39.88185	443330.00	3772580.00	50.92288
443430.00	3772580.00	47.58261	443530.00	3772580.00	29.31824
443630.00	3772580.00	11.26445	443730.00	3772580.00	6.20988
443830.00	3772580.00	4.09525	443930.00	3772580.00	2.97418
444030.00	3772580.00	2.27781	444130.00	3772580.00	1.81518
444230.00	3772580.00	1.49014	444330.00	3772580.00	1.24943
442230.00	3772680.00	0.79463	442330.00	3772680.00	0.98291
442430.00	3772680.00	1.25233	442530.00	3772680.00	1.60735
442630.00	3772680.00	2.09372	442730.00	3772680.00	2.79927
442830.00	3772680.00	3.99055	443630.00	3772680.00	13.48160
443730.00	3772680.00	7.04035	443830.00	3772680.00	4.54692
443930.00	3772680.00	3.23418	444030.00	3772680.00	2.44521
444130.00	3772680.00	1.93095	444230.00	3772680.00	1.57228
444330.00	3772680.00	1.31015	442230.00	3772780.00	0.72791
442330.00	3772780.00	0.88410	442430.00	3772780.00	1.12261
442530.00	3772780.00	1.44866	442630.00	3772780.00	1.93993
442730.00	3772780.00	2.59960	442830.00	3772780.00	3.77721
443130.00	3772780.00	26.38022	443630.00	3772780.00	10.18228
443730.00	3772780.00	6.52420	443830.00	3772780.00	4.47564
443930.00	3772780.00	3.27000	444030.00	3772780.00	2.50025
444130.00	3772780.00	1.98177	444230.00	3772780.00	1.61516
444330.00	3772780.00	1.34656	442230.00	3772880.00	0.65835
442330.00	3772880.00	0.79681	442430.00	3772880.00	0.95245
442530.00	3772880.00	1.23250	442630.00	3772880.00	1.59594
442730.00	3772880.00	2.19822	442830.00	3772880.00	3.27363
442930.00	3772880.00	5.05633	443030.00	3772880.00	9.33234
443130.00	3772880.00	21.00950	443530.00	3772880.00	10.73124
443630.00	3772880.00	7.55203	443730.00	3772880.00	5.44124
443830.00	3772880.00	4.03221	443930.00	3772880.00	3.07911
444030.00	3772880.00	2.41922	444130.00	3772880.00	1.94920
444230.00	3772880.00	1.60472	444330.00	3772880.00	1.34652
442230.00	3772980.00	0.58634	442330.00	3772980.00	0.69470
442430.00	3772980.00	0.83645	442530.00	3772980.00	1.04337
442630.00	3772980.00	1.34341	442730.00	3772980.00	1.74645
442830.00	3772980.00	2.55751	442930.00	3772980.00	3.80020
443030.00	3772980.00	6.26921	443130.00	3772980.00	11.57990
443230.00	3772980.00	23.46968	443330.00	3772980.00	17.69434
443430.00	3772980.00	10.77134	443530.00	3772980.00	7.62572

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	5.77673	443730.00	3772980.00	4.39329
443830.00	3772980.00	3.46251	443930.00	3772980.00	2.75921
444030.00	3772980.00	2.23710	444130.00	3772980.00	1.84400
444230.00	3772980.00	1.54344	444330.00	3772980.00	1.31039
442230.00	3773080.00	0.52348	442330.00	3773080.00	0.60950
442430.00	3773080.00	0.71959	442530.00	3773080.00	0.88742
442630.00	3773080.00	1.10509	442730.00	3773080.00	1.47475
442830.00	3773080.00	1.95457	442930.00	3773080.00	2.83784
443030.00	3773080.00	3.97514	443130.00	3773080.00	5.63079
443230.00	3773080.00	7.72363	443330.00	3773080.00	7.74750
443430.00	3773080.00	6.56425	443530.00	3773080.00	5.28841
443630.00	3773080.00	4.25065	443730.00	3773080.00	3.47355
443830.00	3773080.00	2.90547	443930.00	3773080.00	2.40387
444030.00	3773080.00	2.00622	444130.00	3773080.00	1.69316
444230.00	3773080.00	1.44393	444330.00	3773080.00	1.24373
442230.00	3773180.00	0.45726	442330.00	3773180.00	0.52509
442430.00	3773180.00	0.61840	442530.00	3773180.00	0.73868
442630.00	3773180.00	0.90141	442730.00	3773180.00	1.14571
442830.00	3773180.00	1.47528	442930.00	3773180.00	1.90120
443030.00	3773180.00	2.54142	443130.00	3773180.00	3.28046
443230.00	3773180.00	4.00394	443330.00	3773180.00	4.39022
443430.00	3773180.00	4.13884	443530.00	3773180.00	3.48931
443630.00	3773180.00	3.09344	443730.00	3773180.00	2.68626
443830.00	3773180.00	2.32961	443930.00	3773180.00	2.03684
444030.00	3773180.00	1.77803	444130.00	3773180.00	1.52389
444230.00	3773180.00	1.32357	444330.00	3773180.00	1.15765
442230.00	3773280.00	0.40242	442330.00	3773280.00	0.46007
442430.00	3773280.00	0.53097	442530.00	3773280.00	0.61572
442630.00	3773280.00	0.74296	442730.00	3773280.00	0.90081
442830.00	3773280.00	1.11099	442930.00	3773280.00	1.41775
443030.00	3773280.00	1.70014	443130.00	3773280.00	2.13660
443230.00	3773280.00	2.49284	443330.00	3773280.00	2.78174
443430.00	3773280.00	2.74236	443530.00	3773280.00	2.45807
443630.00	3773280.00	2.24603	443730.00	3773280.00	2.02641
443830.00	3773280.00	1.90286	443930.00	3773280.00	1.69248
444030.00	3773280.00	1.51779	444130.00	3773280.00	1.35477
444230.00	3773280.00	1.20527	444330.00	3773280.00	1.07657
442230.00	3773380.00	0.34754	442330.00	3773380.00	0.39477
442430.00	3773380.00	0.44957	442530.00	3773380.00	0.51402
442630.00	3773380.00	0.58841	442730.00	3773380.00	0.72420

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.85141	442930.00	3773380.00	1.02429
443030.00	3773380.00	1.25419	443130.00	3773380.00	1.48080
443230.00	3773380.00	1.69999	443330.00	3773380.00	1.87316
443430.00	3773380.00	2.16238	443530.00	3773380.00	1.74210
443630.00	3773380.00	1.64021	443730.00	3773380.00	1.56902
443830.00	3773380.00	1.48642	443930.00	3773380.00	1.39174
444030.00	3773380.00	1.27801	444130.00	3773380.00	1.18032
444230.00	3773380.00	1.07609	444330.00	3773380.00	0.98421
442230.00	3773480.00	0.30773	442330.00	3773480.00	0.34339
442430.00	3773480.00	0.38112	442530.00	3773480.00	0.43668
442630.00	3773480.00	0.49224	442730.00	3773480.00	0.58803
442830.00	3773480.00	0.67062	442930.00	3773480.00	0.78969
443030.00	3773480.00	0.92655	443130.00	3773480.00	1.09460
443230.00	3773480.00	1.21141	443330.00	3773480.00	1.31910
443430.00	3773480.00	1.23089	443530.00	3773480.00	1.22725
443630.00	3773480.00	1.21178	443730.00	3773480.00	1.14574
443830.00	3773480.00	1.15989	443930.00	3773480.00	1.10861
444030.00	3773480.00	1.06334	444130.00	3773480.00	1.00777
444230.00	3773480.00	0.94073	444330.00	3773480.00	0.87800
442230.00	3773580.00	0.26742	442330.00	3773580.00	0.29774
442430.00	3773580.00	0.32996	442530.00	3773580.00	0.36747
442630.00	3773580.00	0.40763	442730.00	3773580.00	0.46938
442830.00	3773580.00	0.54044	442930.00	3773580.00	0.62647
443030.00	3773580.00	0.73508	443130.00	3773580.00	0.82485
443230.00	3773580.00	0.88460	443330.00	3773580.00	0.90643
443430.00	3773580.00	0.93740	443530.00	3773580.00	0.93842
443630.00	3773580.00	0.90433	443730.00	3773580.00	0.86849
443830.00	3773580.00	0.88734	443930.00	3773580.00	0.86689
444030.00	3773580.00	0.85696	444130.00	3773580.00	0.85807
444230.00	3773580.00	0.81848	444330.00	3773580.00	0.76845
442380.00	3772130.00	1.00762	442480.00	3772130.00	1.14943
442580.00	3772130.00	1.31852	442680.00	3772130.00	1.51902
442780.00	3772130.00	1.75381	442880.00	3772130.00	2.01950
442980.00	3772130.00	2.30349	443080.00	3772130.00	2.58278
443180.00	3772130.00	2.81351	443280.00	3772130.00	2.94640
443380.00	3772130.00	2.94372	443480.00	3772130.00	2.80483
443580.00	3772130.00	2.56225	443680.00	3772130.00	2.27228
443780.00	3772130.00	1.97196	443880.00	3772130.00	1.69906
443980.00	3772130.00	1.46372	444080.00	3772130.00	1.26516
442380.00	3772230.00	1.09044	442480.00	3772230.00	1.26205

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.47414	442680.00	3772230.00	1.73691
442780.00	3772230.00	2.06050	442880.00	3772230.00	2.45060
442980.00	3772230.00	2.90383	443080.00	3772230.00	3.38737
443180.00	3772230.00	3.82081	443280.00	3772230.00	4.09423
443380.00	3772230.00	4.10126	443480.00	3772230.00	3.83153
443580.00	3772230.00	3.38743	443680.00	3772230.00	2.88440
443780.00	3772230.00	2.40475	443880.00	3772230.00	2.00132
443980.00	3772230.00	1.67498	444080.00	3772230.00	1.41205
442380.00	3772330.00	1.16632	442480.00	3772330.00	1.37026
442580.00	3772330.00	1.63450	442680.00	3772330.00	1.97322
442780.00	3772330.00	2.41659	442880.00	3772330.00	2.99864
442980.00	3772330.00	3.74671	443080.00	3772330.00	4.64348
443180.00	3772330.00	5.54335	443280.00	3772330.00	6.16617
443380.00	3772330.00	6.19601	443480.00	3772330.00	5.63605
443580.00	3772330.00	4.71250	443680.00	3772330.00	3.75124
443780.00	3772330.00	2.95671	443880.00	3772330.00	2.35686
443980.00	3772330.00	1.91858	444080.00	3772330.00	1.58252
442380.00	3772430.00	1.17941	442480.00	3772430.00	1.43275
442580.00	3772430.00	1.77804	442680.00	3772430.00	2.21282
442780.00	3772430.00	2.80453	442880.00	3772430.00	3.65355
442980.00	3772430.00	4.89346	443080.00	3772430.00	6.67195
443180.00	3772430.00	8.89138	443280.00	3772430.00	10.63978
443380.00	3772430.00	10.80853	443480.00	3772430.00	9.36847
443580.00	3772430.00	7.07092	443680.00	3772430.00	5.02634
443780.00	3772430.00	3.66253	443880.00	3772430.00	2.77858
443980.00	3772430.00	2.17217	444080.00	3772430.00	1.75737
442380.00	3772530.00	1.17296	442480.00	3772530.00	1.43739
442580.00	3772530.00	1.83892	442680.00	3772530.00	2.39388
442780.00	3772530.00	3.16984	442880.00	3772530.00	4.35202
442980.00	3772530.00	6.33358	443080.00	3772530.00	9.97762
443180.00	3772530.00	16.87963	443280.00	3772530.00	24.36952
443380.00	3772530.00	25.15447	443480.00	3772530.00	20.55588
443580.00	3772530.00	12.10301	443680.00	3772530.00	6.92433
443780.00	3772530.00	4.52554	443880.00	3772530.00	3.23609
443980.00	3772530.00	2.45365	444080.00	3772530.00	1.93836
442380.00	3772630.00	1.10984	442480.00	3772630.00	1.40699
442580.00	3772630.00	1.82157	442680.00	3772630.00	2.38165
442780.00	3772630.00	3.23741	443680.00	3772630.00	9.07911
443780.00	3772630.00	5.33797	443880.00	3772630.00	3.66666
443980.00	3772630.00	2.71023	444080.00	3772630.00	2.10172

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.02622	442480.00	3772730.00	1.33214
442580.00	3772730.00	1.68420	442680.00	3772730.00	2.23681
442780.00	3772730.00	3.24754	443680.00	3772730.00	8.90958
443780.00	3772730.00	5.56445	443880.00	3772730.00	3.84343
443980.00	3772730.00	2.84567	444080.00	3772730.00	2.20405
442380.00	3772830.00	0.92347	442480.00	3772830.00	1.16968
442580.00	3772830.00	1.47733	442680.00	3772830.00	1.98457
442780.00	3772830.00	2.87045	443080.00	3772830.00	15.28231
443180.00	3772830.00	50.08432	443580.00	3772830.00	10.55844
443680.00	3772830.00	7.19594	443780.00	3772830.00	5.03926
443880.00	3772830.00	3.68416	443980.00	3772830.00	2.80177
444080.00	3772830.00	2.20366	442380.00	3772930.00	0.81671
442480.00	3772930.00	0.98908	442580.00	3772930.00	1.30618
442680.00	3772930.00	1.67501	442780.00	3772930.00	2.41681
442880.00	3772930.00	3.52338	442980.00	3772930.00	5.66341
443080.00	3772930.00	10.53192	443180.00	3772930.00	27.90360
443280.00	3772930.00	33.79530	443380.00	3772930.00	17.58790
443480.00	3772930.00	10.86354	443580.00	3772930.00	7.71557
443680.00	3772930.00	5.67972	443780.00	3772930.00	4.28224
443880.00	3772930.00	3.30492	443980.00	3772930.00	2.60904
444080.00	3772930.00	2.10430	442380.00	3773030.00	0.70711
442480.00	3773030.00	0.87369	442580.00	3773030.00	1.09913
442680.00	3773030.00	1.40592	442780.00	3773030.00	1.79916
442880.00	3773030.00	2.70049	442980.00	3773030.00	3.97276
443080.00	3773030.00	6.27710	443180.00	3773030.00	10.27306
443280.00	3773030.00	12.36231	443380.00	3773030.00	9.69711
443480.00	3773030.00	7.38015	443580.00	3773030.00	5.57103
443680.00	3773030.00	4.43375	443780.00	3773030.00	3.54082
443880.00	3773030.00	2.86127	443980.00	3773030.00	2.33808
444080.00	3773030.00	1.93746	442380.00	3773130.00	0.61292
442480.00	3773130.00	0.74280	442580.00	3773130.00	0.91123
442680.00	3773130.00	1.13981	442780.00	3773130.00	1.50465
442880.00	3773130.00	1.95726	442980.00	3773130.00	2.70787
443080.00	3773130.00	3.66815	443180.00	3773130.00	4.97635
443280.00	3773130.00	5.70074	443380.00	3773130.00	5.51487
443480.00	3773130.00	5.03620	443580.00	3773130.00	3.99347
443680.00	3773130.00	3.32576	443780.00	3773130.00	2.80667
443880.00	3773130.00	2.43175	443980.00	3773130.00	2.04831
444080.00	3773130.00	1.74017	442380.00	3773230.00	0.53271
442480.00	3773230.00	0.63534	442580.00	3773230.00	0.74498

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.91394	442780.00	3773230.00	1.10966
442880.00	3773230.00	1.39666	442980.00	3773230.00	1.85306
443080.00	3773230.00	2.32387	443180.00	3773230.00	2.91828
443280.00	3773230.00	3.28185	443380.00	3773230.00	3.47529
443480.00	3773230.00	3.08847	443580.00	3773230.00	2.73777
443680.00	3773230.00	2.48960	443780.00	3773230.00	2.24625
443880.00	3773230.00	1.97788	443980.00	3773230.00	1.74901
444080.00	3773230.00	1.54046			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.87584	442330.00	3771880.00	0.97403
442430.00	3771880.00	1.08376	442530.00	3771880.00	1.20347
442630.00	3771880.00	1.33119	442730.00	3771880.00	1.46117
442830.00	3771880.00	1.58220	442930.00	3771880.00	1.68325
443030.00	3771880.00	1.75267	443130.00	3771880.00	1.77678
443230.00	3771880.00	1.75142	443330.00	3771880.00	1.68152
443430.00	3771880.00	1.57804	443530.00	3771880.00	1.45485
443630.00	3771880.00	1.32482	443730.00	3771880.00	1.19586
443830.00	3771880.00	1.07707	443930.00	3771880.00	0.96830
444030.00	3771880.00	0.86993	444130.00	3771880.00	0.78462
444230.00	3771880.00	0.70920	444330.00	3771880.00	0.64223
442230.00	3771980.00	0.95955	442330.00	3771980.00	1.08173
442430.00	3771980.00	1.22249	442530.00	3771980.00	1.38238
442630.00	3771980.00	1.55897	442730.00	3771980.00	1.74784
442830.00	3771980.00	1.93087	442930.00	3771980.00	2.09292
443030.00	3771980.00	2.20391	443130.00	3771980.00	2.24331
443230.00	3771980.00	2.20000	443330.00	3771980.00	2.08900
443430.00	3771980.00	1.92858	443530.00	3771980.00	1.74492
443630.00	3771980.00	1.55224	443730.00	3771980.00	1.37505
443830.00	3771980.00	1.21835	443930.00	3771980.00	1.07877
444030.00	3771980.00	0.95653	444130.00	3771980.00	0.85126
444230.00	3771980.00	0.76076	444330.00	3771980.00	0.68655
442230.00	3772080.00	1.04756	442330.00	3772080.00	1.19840
442430.00	3772080.00	1.37870	442530.00	3772080.00	1.59248
442630.00	3772080.00	1.84058	442730.00	3772080.00	2.11836
442830.00	3772080.00	2.40873	442930.00	3772080.00	2.67652
443030.00	3772080.00	2.87340	443130.00	3772080.00	2.94270
443230.00	3772080.00	2.86830	443330.00	3772080.00	2.67289
443430.00	3772080.00	2.40479	443530.00	3772080.00	2.12117
443630.00	3772080.00	1.83645	443730.00	3772080.00	1.58796
443830.00	3772080.00	1.37879	443930.00	3772080.00	1.19926
444030.00	3772080.00	1.04892	444130.00	3772080.00	0.92373
444230.00	3772080.00	0.81956	444330.00	3772080.00	0.73199
442230.00	3772180.00	1.13662	442330.00	3772180.00	1.32041
442430.00	3772180.00	1.54880	442530.00	3772180.00	1.83224
442630.00	3772180.00	2.18189	442730.00	3772180.00	2.60196
442830.00	3772180.00	3.07852	442930.00	3772180.00	3.55313
443030.00	3772180.00	3.92563	443130.00	3772180.00	4.07275
443230.00	3772180.00	3.93323	443330.00	3772180.00	3.56724
443430.00	3772180.00	3.08414	443530.00	3772180.00	2.60747

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	2.18705	443730.00	3772180.00	1.84266
443830.00	3772180.00	1.55841	443930.00	3772180.00	1.33181
444030.00	3772180.00	1.14320	444130.00	3772180.00	0.99875
444230.00	3772180.00	0.87744	444330.00	3772180.00	0.77816
442230.00	3772280.00	1.22163	442330.00	3772280.00	1.44114
442430.00	3772280.00	1.72428	442530.00	3772280.00	2.09464
442630.00	3772280.00	2.58275	442730.00	3772280.00	3.22018
442830.00	3772280.00	4.02581	442930.00	3772280.00	4.94123
443030.00	3772280.00	5.75580	443130.00	3772280.00	6.10125
443230.00	3772280.00	5.76790	443330.00	3772280.00	4.96672
443430.00	3772280.00	4.04920	443530.00	3772280.00	3.24365
443630.00	3772280.00	2.61040	443730.00	3772280.00	2.12315
443830.00	3772280.00	1.75610	443930.00	3772280.00	1.47209
444030.00	3772280.00	1.25004	444130.00	3772280.00	1.07595
444230.00	3772280.00	0.93652	444330.00	3772280.00	0.82505
442230.00	3772380.00	1.29559	442330.00	3772380.00	1.55030
442430.00	3772380.00	1.88956	442530.00	3772380.00	2.35634
442630.00	3772380.00	3.01867	442730.00	3772380.00	3.97220
442830.00	3772380.00	5.35868	442930.00	3772380.00	7.26950
443030.00	3772380.00	9.35713	443130.00	3772380.00	10.40695
443230.00	3772380.00	9.45047	443330.00	3772380.00	7.36170
443430.00	3772380.00	5.45080	443530.00	3772380.00	4.06233
443630.00	3772380.00	3.10746	443730.00	3772380.00	2.43913
443830.00	3772380.00	1.96717	443930.00	3772380.00	1.62029
444030.00	3772380.00	1.35665	444130.00	3772380.00	1.15624
444230.00	3772380.00	0.99762	444330.00	3772380.00	0.87237
442230.00	3772480.00	1.33666	442330.00	3772480.00	1.63571
442430.00	3772480.00	2.02523	442530.00	3772480.00	2.58506
442630.00	3772480.00	3.43099	442730.00	3772480.00	4.77846
442830.00	3772480.00	7.08123	442930.00	3772480.00	11.23151
443030.00	3772480.00	17.87958	443130.00	3772480.00	22.70030
443230.00	3772480.00	18.39046	443330.00	3772480.00	11.64995
443430.00	3772480.00	7.43758	443530.00	3772480.00	5.07005
443630.00	3772480.00	3.67403	443730.00	3772480.00	2.78424
443830.00	3772480.00	2.19260	443930.00	3772480.00	1.77094
444030.00	3772480.00	1.46391	444130.00	3772480.00	1.23566
444230.00	3772480.00	1.05838	444330.00	3772480.00	0.91894
442230.00	3772580.00	1.16232	442330.00	3772580.00	1.44916
442430.00	3772580.00	1.91653	442530.00	3772580.00	2.51802
442630.00	3772580.00	3.71001	442730.00	3772580.00	5.39207

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	8.69720	442930.00	3772580.00	16.77689
443030.00	3772580.00	43.50210	443130.00	3772580.00	93.50430
443230.00	3772580.00	48.28414	443330.00	3772580.00	19.19544
443430.00	3772580.00	10.04291	443530.00	3772580.00	6.22497
443630.00	3772580.00	4.27654	443730.00	3772580.00	3.13339
443830.00	3772580.00	2.40513	443930.00	3772580.00	1.91876
444030.00	3772580.00	1.56861	444130.00	3772580.00	1.31124
444230.00	3772580.00	1.11659	444330.00	3772580.00	0.96394
442230.00	3772680.00	1.10624	442330.00	3772680.00	1.39603
442430.00	3772680.00	1.83548	442530.00	3772680.00	2.49689
442630.00	3772680.00	3.71712	442730.00	3772680.00	5.46813
442830.00	3772680.00	9.14196	443630.00	3772680.00	4.71228
443730.00	3772680.00	3.38507	443830.00	3772680.00	2.57833
443930.00	3772680.00	2.03328	444030.00	3772680.00	1.65022
444130.00	3772680.00	1.37237	444230.00	3772680.00	1.16265
444330.00	3772680.00	0.99974	442230.00	3772780.00	0.97922
442330.00	3772780.00	1.23069	442430.00	3772780.00	1.63799
442530.00	3772780.00	2.18088	442630.00	3772780.00	3.05731
442730.00	3772780.00	4.40444	442830.00	3772780.00	7.16731
443130.00	3772780.00	43.72210	443630.00	3772780.00	4.68422
443730.00	3772780.00	3.42475	443830.00	3772780.00	2.61728
443930.00	3772780.00	2.07443	444030.00	3772780.00	1.68752
444130.00	3772780.00	1.40351	444230.00	3772780.00	1.18844
444330.00	3772780.00	1.02197	442230.00	3772880.00	0.86117
442330.00	3772880.00	1.06676	442430.00	3772880.00	1.30790
442530.00	3772880.00	1.75567	442630.00	3772880.00	2.36406
442730.00	3772880.00	3.41609	442830.00	3772880.00	5.12333
442930.00	3772880.00	7.75731	443030.00	3772880.00	12.87994
443130.00	3772880.00	15.59828	443530.00	3772880.00	5.60190
443630.00	3772880.00	4.16080	443730.00	3772880.00	3.18403
443830.00	3772880.00	2.50527	443930.00	3772880.00	2.01964
444030.00	3772880.00	1.66249	444130.00	3772880.00	1.39327
444230.00	3772880.00	1.18573	444330.00	3772880.00	1.02323
442230.00	3772980.00	0.74759	442330.00	3772980.00	0.89982
442430.00	3772980.00	1.10118	442530.00	3772980.00	1.39569
442630.00	3772980.00	1.81854	442730.00	3772980.00	2.36438
442830.00	3772980.00	3.42414	442930.00	3772980.00	4.73097
443030.00	3772980.00	6.15358	443130.00	3772980.00	7.22508
443230.00	3772980.00	7.71596	443330.00	3772980.00	6.66361
443430.00	3772980.00	5.40748	443530.00	3772980.00	4.31194

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	3.44345	443730.00	3772980.00	2.77575
443830.00	3772980.00	2.26708	443930.00	3772980.00	1.87751
444030.00	3772980.00	1.57624	444130.00	3772980.00	1.34020
444230.00	3772980.00	1.15289	444330.00	3772980.00	1.00266
442230.00	3773080.00	0.65081	442330.00	3773080.00	0.76411
442430.00	3773080.00	0.90765	442530.00	3773080.00	1.12188
442630.00	3773080.00	1.38883	442730.00	3773080.00	1.81916
442830.00	3773080.00	2.30082	442930.00	3773080.00	3.08196
443030.00	3773080.00	3.70202	443130.00	3773080.00	4.12088
443230.00	3773080.00	4.34948	443330.00	3773080.00	4.47343
443430.00	3773080.00	3.90408	443530.00	3773080.00	3.30529
443630.00	3773080.00	2.78012	443730.00	3773080.00	2.34151
443830.00	3773080.00	1.98287	443930.00	3773080.00	1.68865
444030.00	3773080.00	1.44949	444130.00	3773080.00	1.25419
444230.00	3773080.00	1.09383	444330.00	3773080.00	0.96151
442230.00	3773180.00	0.55283	442330.00	3773180.00	0.63576
442430.00	3773180.00	0.74752	442530.00	3773180.00	0.88672
442630.00	3773180.00	1.06597	442730.00	3773180.00	1.31824
442830.00	3773180.00	1.61793	442930.00	3773180.00	1.93006
443030.00	3773180.00	2.30432	443130.00	3773180.00	2.62862
443230.00	3773180.00	2.86623	443330.00	3773180.00	2.91902
443430.00	3773180.00	2.89429	443530.00	3773180.00	2.42245
443630.00	3773180.00	2.24988	443730.00	3773180.00	1.97178
443830.00	3773180.00	1.70686	443930.00	3773180.00	1.49070
444030.00	3773180.00	1.30640	444130.00	3773180.00	1.15117
444230.00	3773180.00	1.01867	444330.00	3773180.00	0.90619
442230.00	3773280.00	0.47271	442330.00	3773280.00	0.53853
442430.00	3773280.00	0.61724	442530.00	3773280.00	0.70733
442630.00	3773280.00	0.83900	442730.00	3773280.00	0.99002
442830.00	3773280.00	1.17169	442930.00	3773280.00	1.40742
443030.00	3773280.00	1.56269	443130.00	3773280.00	1.79894
443230.00	3773280.00	1.97748	443330.00	3773280.00	2.08369
443430.00	3773280.00	2.00688	443530.00	3773280.00	1.82385
443630.00	3773280.00	1.69885	443730.00	3773280.00	1.57339
443830.00	3773280.00	1.47819	443930.00	3773280.00	1.31999
444030.00	3773280.00	1.16713	444130.00	3773280.00	1.04448
444230.00	3773280.00	0.93677	444330.00	3773280.00	0.84310
442230.00	3773380.00	0.39697	442330.00	3773380.00	0.44831
442430.00	3773380.00	0.50608	442530.00	3773380.00	0.57129
442630.00	3773380.00	0.64239	442730.00	3773380.00	0.77277

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.87882	442930.00	3773380.00	1.01087
443030.00	3773380.00	1.16836	443130.00	3773380.00	1.29833
443230.00	3773380.00	1.41472	443330.00	3773380.00	1.52738
443430.00	3773380.00	1.69220	443530.00	3773380.00	1.39067
443630.00	3773380.00	1.31385	443730.00	3773380.00	1.26008
443830.00	3773380.00	1.20703	443930.00	3773380.00	1.15047
444030.00	3773380.00	1.07245	444130.00	3773380.00	0.95280
444230.00	3773380.00	0.85566	444330.00	3773380.00	0.77834
442230.00	3773480.00	0.34351	442330.00	3773480.00	0.38072
442430.00	3773480.00	0.41847	442530.00	3773480.00	0.47397
442630.00	3773480.00	0.52599	442730.00	3773480.00	0.61610
442830.00	3773480.00	0.68395	442930.00	3773480.00	0.77775
443030.00	3773480.00	0.87470	443130.00	3773480.00	0.98645
443230.00	3773480.00	1.04907	443330.00	3773480.00	1.10849
443430.00	3773480.00	1.01848	443530.00	3773480.00	1.00759
443630.00	3773480.00	0.99660	443730.00	3773480.00	0.94698
443830.00	3773480.00	0.97315	443930.00	3773480.00	0.93617
444030.00	3773480.00	0.90489	444130.00	3773480.00	0.86769
444230.00	3773480.00	0.81962	444330.00	3773480.00	0.77045
442230.00	3773580.00	0.29285	442330.00	3773580.00	0.32382
442430.00	3773580.00	0.35565	442530.00	3773580.00	0.39191
442630.00	3773580.00	0.42914	442730.00	3773580.00	0.48618
442830.00	3773580.00	0.54763	442930.00	3773580.00	0.61692
443030.00	3773580.00	0.70004	443130.00	3773580.00	0.75903
443230.00	3773580.00	0.78920	443330.00	3773580.00	0.78949
443430.00	3773580.00	0.80244	443530.00	3773580.00	0.79636
443630.00	3773580.00	0.76632	443730.00	3773580.00	0.73792
443830.00	3773580.00	0.75549	443930.00	3773580.00	0.74294
444030.00	3773580.00	0.74112	444130.00	3773580.00	0.74669
444230.00	3773580.00	0.71897	444330.00	3773580.00	0.67873
442380.00	3772130.00	1.35604	442480.00	3772130.00	1.58003
442580.00	3772130.00	1.85025	442680.00	3772130.00	2.16911
442780.00	3772130.00	2.52921	442880.00	3772130.00	2.89825
442980.00	3772130.00	3.21506	443080.00	3772130.00	3.40696
443180.00	3772130.00	3.40817	443280.00	3772130.00	3.21793
443380.00	3772130.00	2.89640	443480.00	3772130.00	2.52688
443580.00	3772130.00	2.16792	443680.00	3772130.00	1.85248
443780.00	3772130.00	1.58111	443880.00	3772130.00	1.35787
443980.00	3772130.00	1.17500	444080.00	3772130.00	1.02421
442380.00	3772230.00	1.50143	442480.00	3772230.00	1.78922

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	2.15671	442680.00	3772230.00	2.62137
442780.00	3772230.00	3.19073	442880.00	3772230.00	3.83335
442980.00	3772230.00	4.45082	443080.00	3772230.00	4.85545
443180.00	3772230.00	4.86314	443280.00	3772230.00	4.47561
443380.00	3772230.00	3.85464	443480.00	3772230.00	3.20004
443580.00	3772230.00	2.63311	443680.00	3772230.00	2.17402
443780.00	3772230.00	1.80631	443880.00	3772230.00	1.51901
443980.00	3772230.00	1.29188	444080.00	3772230.00	1.10852
442380.00	3772330.00	1.64275	442480.00	3772330.00	2.00315
442580.00	3772330.00	2.49090	442680.00	3772330.00	3.15917
442780.00	3772330.00	4.07273	442880.00	3772330.00	5.27138
442980.00	3772330.00	6.62574	443080.00	3772330.00	7.64155
443180.00	3772330.00	7.65019	443280.00	3772330.00	6.67466
443380.00	3772330.00	5.31704	443480.00	3772330.00	4.12279
443580.00	3772330.00	3.21010	443680.00	3772330.00	2.54029
443780.00	3772330.00	2.05167	443880.00	3772330.00	1.68919
443980.00	3772330.00	1.41817	444080.00	3772330.00	1.20311
442380.00	3772430.00	1.76457	442480.00	3772430.00	2.19717
442580.00	3772430.00	2.81829	442680.00	3772430.00	3.74328
442780.00	3772430.00	5.17765	442880.00	3772430.00	7.44634
442980.00	3772430.00	10.77862	443080.00	3772430.00	14.09147
443180.00	3772430.00	14.22056	443280.00	3772430.00	10.99726
443380.00	3772430.00	7.64005	443480.00	3772430.00	5.35530
443580.00	3772430.00	3.90443	443680.00	3772430.00	2.95501
443780.00	3772430.00	2.32007	443880.00	3772430.00	1.87355
443980.00	3772430.00	1.54009	444080.00	3772430.00	1.29536
442380.00	3772530.00	1.76702	442480.00	3772530.00	2.31519
442580.00	3772530.00	3.07881	442680.00	3772530.00	4.25580
442780.00	3772530.00	6.31746	442880.00	3772530.00	10.36802
442980.00	3772530.00	19.32621	443080.00	3772530.00	35.69544
443180.00	3772530.00	36.69955	443280.00	3772530.00	20.53686
443380.00	3772530.00	11.23201	443480.00	3772530.00	6.92292
443580.00	3772530.00	4.69670	443680.00	3772530.00	3.41046
443780.00	3772530.00	2.60090	443880.00	3772530.00	2.05515
443980.00	3772530.00	1.66968	444080.00	3772530.00	1.38742
442380.00	3772630.00	1.60195	442480.00	3772630.00	2.14017
442580.00	3772630.00	3.11675	442680.00	3772630.00	4.46283
442780.00	3772630.00	6.97355	443680.00	3772630.00	3.82748
443780.00	3772630.00	2.84487	443880.00	3772630.00	2.22168
443980.00	3772630.00	1.78547	444080.00	3772630.00	1.46908

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	1.48854	442480.00	3772730.00	1.98068
442580.00	3772730.00	2.64861	442680.00	3772730.00	3.79241
442780.00	3772730.00	6.39287	443680.00	3772730.00	4.01423
443780.00	3772730.00	2.98663	443880.00	3772730.00	2.31447
443980.00	3772730.00	1.85602	444080.00	3772730.00	1.52428
442380.00	3772830.00	1.27850	442480.00	3772830.00	1.68927
442580.00	3772830.00	2.23089	442680.00	3772830.00	3.17034
442780.00	3772830.00	4.78241	443080.00	3772830.00	22.30479
443180.00	3772830.00	23.53632	443580.00	3772830.00	5.24119
443680.00	3772830.00	3.84200	443780.00	3772830.00	2.92213
443880.00	3772830.00	2.29881	443980.00	3772830.00	1.85675
444080.00	3772830.00	1.53347	442380.00	3772930.00	1.08694
442480.00	3772930.00	1.34524	442580.00	3772930.00	1.82387
442680.00	3772930.00	2.38864	442780.00	3772930.00	3.54673
442880.00	3772930.00	5.03724	442980.00	3772930.00	7.05308
443080.00	3772930.00	9.21123	443180.00	3772930.00	10.74235
443280.00	3772930.00	9.36108	443380.00	3772930.00	7.37603
443480.00	3772930.00	5.64300	443580.00	3772930.00	4.32498
443680.00	3772930.00	3.36584	443780.00	3772930.00	2.67079
443880.00	3772930.00	2.16088	443980.00	3772930.00	1.78011
444080.00	3772930.00	1.49057	442380.00	3773030.00	0.90625
442480.00	3773030.00	1.13159	442580.00	3773030.00	1.43262
442680.00	3773030.00	1.82623	442780.00	3773030.00	2.28129
442880.00	3773030.00	3.25602	442980.00	3773030.00	4.24135
443080.00	3773030.00	5.07885	443180.00	3773030.00	5.57988
443280.00	3773030.00	5.76786	443380.00	3773030.00	4.99897
443480.00	3773030.00	4.15762	443580.00	3773030.00	3.41444
443680.00	3773030.00	2.81120	443780.00	3773030.00	2.32852
443880.00	3773030.00	1.94621	443980.00	3773030.00	1.64357
444080.00	3773030.00	1.40221	442380.00	3773130.00	0.75643
442480.00	3773130.00	0.91684	442580.00	3773130.00	1.11725
442680.00	3773130.00	1.37314	442780.00	3773130.00	1.75083
442880.00	3773130.00	2.13193	442980.00	3773130.00	2.64848
443080.00	3773130.00	3.08954	443180.00	3773130.00	3.46255
443280.00	3773130.00	3.50540	443380.00	3773130.00	3.57196
443480.00	3773130.00	3.14921	443580.00	3773130.00	2.70114
443680.00	3773130.00	2.31361	443780.00	3773130.00	1.98424
443880.00	3773130.00	1.71052	443980.00	3773130.00	1.47952
444080.00	3773130.00	1.28746	442380.00	3773230.00	0.63290
442480.00	3773230.00	0.75020	442580.00	3773230.00	0.86770

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	1.04172	442780.00	3773230.00	1.21972
442880.00	3773230.00	1.45218	442980.00	3773230.00	1.77559
443080.00	3773230.00	2.00818	443180.00	3773230.00	2.31214
443280.00	3773230.00	2.41548	443380.00	3773230.00	2.44269
443480.00	3773230.00	2.18955	443580.00	3773230.00	1.99357
443680.00	3773230.00	1.87213	443780.00	3773230.00	1.69746
443880.00	3773230.00	1.48706	443980.00	3773230.00	1.31334
444080.00	3773230.00	1.16436			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	0.70296	442330.00	3771880.00	0.77878
442430.00	3771880.00	0.86498	442530.00	3771880.00	0.96197
442630.00	3771880.00	1.07020	442730.00	3771880.00	1.18840
442830.00	3771880.00	1.31219	442930.00	3771880.00	1.43648
443030.00	3771880.00	1.55408	443130.00	3771880.00	1.65299
443230.00	3771880.00	1.72285	443330.00	3771880.00	1.75602
443430.00	3771880.00	1.74821	443530.00	3771880.00	1.70037
443630.00	3771880.00	1.61866	443730.00	3771880.00	1.51078
443830.00	3771880.00	1.39185	443930.00	3771880.00	1.26772
444030.00	3771880.00	1.14496	444130.00	3771880.00	1.03241
444230.00	3771880.00	0.92919	444330.00	3771880.00	0.83557
442230.00	3771980.00	0.75414	442330.00	3771980.00	0.84402
442430.00	3771980.00	0.94864	442530.00	3771980.00	1.06997
442630.00	3771980.00	1.20917	442730.00	3771980.00	1.36715
442830.00	3771980.00	1.53835	442930.00	3771980.00	1.71826
443030.00	3771980.00	1.89147	443130.00	3771980.00	2.04163
443230.00	3771980.00	2.14874	443330.00	3771980.00	2.20268
443430.00	3771980.00	2.19273	443530.00	3771980.00	2.12081
443630.00	3771980.00	1.98893	443730.00	3771980.00	1.82780
443830.00	3771980.00	1.65529	443930.00	3771980.00	1.47950
444030.00	3771980.00	1.31207	444130.00	3771980.00	1.16070
444230.00	3771980.00	1.02719	444330.00	3771980.00	0.91665
442230.00	3772080.00	0.80548	442330.00	3772080.00	0.91112
442430.00	3772080.00	1.03741	442530.00	3772080.00	1.18855
442630.00	3772080.00	1.36847	442730.00	3772080.00	1.58016
442830.00	3772080.00	1.82270	442930.00	3772080.00	2.08745
443030.00	3772080.00	2.35626	443130.00	3772080.00	2.59487
443230.00	3772080.00	2.77159	443330.00	3772080.00	2.85889
443430.00	3772080.00	2.84054	443530.00	3772080.00	2.72738
443630.00	3772080.00	2.51406	443730.00	3772080.00	2.25916
443830.00	3772080.00	1.99672	443930.00	3772080.00	1.73999
444030.00	3772080.00	1.50934	444130.00	3772080.00	1.31079
444230.00	3772080.00	1.14388	444330.00	3772080.00	1.00404
442230.00	3772180.00	0.85484	442330.00	3772180.00	0.97735
442430.00	3772180.00	1.12777	442530.00	3772180.00	1.31402
442630.00	3772180.00	1.54556	442730.00	3772180.00	1.83226
442830.00	3772180.00	2.18090	442930.00	3772180.00	2.58471
443030.00	3772180.00	3.01796	443130.00	3772180.00	3.42603
443230.00	3772180.00	3.73882	443330.00	3772180.00	3.89996
443430.00	3772180.00	3.86286	443530.00	3772180.00	3.64734

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	3.29175	443730.00	3772180.00	2.87533
443830.00	3772180.00	2.44755	443930.00	3772180.00	2.06723
444030.00	3772180.00	1.73535	444130.00	3772180.00	1.47959
444230.00	3772180.00	1.26715	444330.00	3772180.00	1.09693
442230.00	3772280.00	0.88683	442330.00	3772280.00	1.03917
442430.00	3772280.00	1.21488	442530.00	3772280.00	1.44013
442630.00	3772280.00	1.73359	442730.00	3772280.00	2.11982
442830.00	3772280.00	2.62609	442930.00	3772280.00	3.26878
443030.00	3772280.00	4.02166	443130.00	3772280.00	4.77122
443230.00	3772280.00	5.35252	443330.00	3772280.00	5.64693
443430.00	3772280.00	5.58577	443530.00	3772280.00	5.17845
443630.00	3772280.00	4.51914	443730.00	3772280.00	3.75446
443830.00	3772280.00	3.05336	443930.00	3772280.00	2.47072
444030.00	3772280.00	2.01442	444130.00	3772280.00	1.66700
444230.00	3772280.00	1.39979	444330.00	3772280.00	1.19482
442230.00	3772380.00	0.88431	442330.00	3772380.00	1.05696
442430.00	3772380.00	1.23553	442530.00	3772380.00	1.50284
442630.00	3772380.00	1.90454	442730.00	3772380.00	2.42738
442830.00	3772380.00	3.16187	442930.00	3772380.00	4.22673
443030.00	3772380.00	5.66193	443130.00	3772380.00	7.23219
443230.00	3772380.00	8.46184	443330.00	3772380.00	9.03651
443430.00	3772380.00	8.92530	443530.00	3772380.00	8.08491
443630.00	3772380.00	6.66217	443730.00	3772380.00	5.11503
443830.00	3772380.00	3.86890	443930.00	3772380.00	2.96629
444030.00	3772380.00	2.32547	444130.00	3772380.00	1.87437
444230.00	3772380.00	1.54262	444330.00	3772380.00	1.29673
442230.00	3772480.00	0.84777	442330.00	3772480.00	1.01219
442430.00	3772480.00	1.21776	442530.00	3772480.00	1.55835
442630.00	3772480.00	2.04927	442730.00	3772480.00	2.71141
442830.00	3772480.00	3.73700	442930.00	3772480.00	5.52678
443030.00	3772480.00	8.70776	443130.00	3772480.00	12.95792
443230.00	3772480.00	15.94786	443330.00	3772480.00	17.16972
443430.00	3772480.00	17.02465	443530.00	3772480.00	15.08440
443630.00	3772480.00	11.13561	443730.00	3772480.00	7.34410
443830.00	3772480.00	4.97593	443930.00	3772480.00	3.55188
444030.00	3772480.00	2.66897	444130.00	3772480.00	2.09287
444230.00	3772480.00	1.69054	444330.00	3772480.00	1.39994
442230.00	3772580.00	0.74484	442330.00	3772580.00	0.90386
442430.00	3772580.00	1.15204	442530.00	3772580.00	1.44075
442630.00	3772580.00	1.95977	442730.00	3772580.00	2.71197

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	4.01435	442930.00	3772580.00	6.85345
443030.00	3772580.00	15.53188	443130.00	3772580.00	40.46346
443230.00	3772580.00	49.75305	443330.00	3772580.00	52.19905
443430.00	3772580.00	52.19374	443530.00	3772580.00	48.04069
443630.00	3772580.00	24.52481	443730.00	3772580.00	11.05177
443830.00	3772580.00	6.32868	443930.00	3772580.00	4.20255
444030.00	3772580.00	3.02767	444130.00	3772580.00	2.30964
444230.00	3772580.00	1.83514	444330.00	3772580.00	1.50028
442230.00	3772680.00	0.69558	442330.00	3772680.00	0.85696
442430.00	3772680.00	1.09326	442530.00	3772680.00	1.41475
442630.00	3772680.00	1.88975	442730.00	3772680.00	2.58669
442830.00	3772680.00	3.86278	443630.00	3772680.00	54.33916
443730.00	3772680.00	14.50632	443830.00	3772680.00	7.43571
443930.00	3772680.00	4.68969	444030.00	3772680.00	3.29413
444130.00	3772680.00	2.47511	444230.00	3772680.00	1.94425
444330.00	3772680.00	1.57677	442230.00	3772780.00	0.62449
442330.00	3772780.00	0.75542	442430.00	3772780.00	0.95911
442530.00	3772780.00	1.22723	442630.00	3772780.00	1.63297
442730.00	3772780.00	2.17239	442830.00	3772780.00	3.17012
443130.00	3772780.00	14.11783	443630.00	3772780.00	25.73747
443730.00	3772780.00	12.07900	443830.00	3772780.00	6.99723
443930.00	3772780.00	4.62705	444030.00	3772780.00	3.31586
444130.00	3772780.00	2.51204	444230.00	3772780.00	1.98045
444330.00	3772780.00	1.60956	442230.00	3772880.00	0.56026
442330.00	3772880.00	0.67013	442430.00	3772880.00	0.79261
442530.00	3772880.00	1.01035	442630.00	3772880.00	1.28600
442730.00	3772880.00	1.73305	442830.00	3772880.00	2.44909
442930.00	3772880.00	3.46076	443030.00	3772880.00	5.36309
443130.00	3772880.00	7.21274	443530.00	3772880.00	11.69359
443630.00	3772880.00	10.24539	443730.00	3772880.00	7.61707
443830.00	3772880.00	5.47181	443930.00	3772880.00	4.01636
444030.00	3772880.00	3.04753	444130.00	3772880.00	2.38646
444230.00	3772880.00	1.91972	444330.00	3772880.00	1.58032
442230.00	3772980.00	0.49827	442330.00	3772980.00	0.58278
442430.00	3772980.00	0.69046	442530.00	3772980.00	0.84186
442630.00	3772980.00	1.05007	442730.00	3772980.00	1.30762
442830.00	3772980.00	1.79362	442930.00	3772980.00	2.40220
443030.00	3772980.00	3.21819	443130.00	3772980.00	4.16453
443230.00	3772980.00	5.14098	443330.00	3772980.00	5.91499
443430.00	3772980.00	6.42850	443530.00	3772980.00	6.31241

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	5.96076	443730.00	3772980.00	4.83139
443830.00	3772980.00	4.04442	443930.00	3772980.00	3.25378
444030.00	3772980.00	2.62651	444130.00	3772980.00	2.14609
444230.00	3772980.00	1.77834	444330.00	3772980.00	1.49464
442230.00	3773080.00	0.44465	442330.00	3773080.00	0.51055
442430.00	3773080.00	0.59208	442530.00	3773080.00	0.71106
442630.00	3773080.00	0.85579	442730.00	3773080.00	1.08377
442830.00	3773080.00	1.34077	442930.00	3773080.00	1.76756
443030.00	3773080.00	2.17530	443130.00	3773080.00	2.62908
443230.00	3773080.00	3.20512	443330.00	3773080.00	3.76023
443430.00	3773080.00	4.07955	443530.00	3773080.00	4.01413
443630.00	3773080.00	3.70226	443730.00	3773080.00	3.32858
443830.00	3773080.00	3.05408	443930.00	3773080.00	2.60904
444030.00	3773080.00	2.20370	444130.00	3773080.00	1.86962
444230.00	3773080.00	1.59615	444330.00	3773080.00	1.37260
442230.00	3773180.00	0.38916	442330.00	3773180.00	0.44031
442430.00	3773180.00	0.50828	442530.00	3773180.00	0.59188
442630.00	3773180.00	0.69867	442730.00	3773180.00	0.84837
442830.00	3773180.00	1.03018	442930.00	3773180.00	1.23458
443030.00	3773180.00	1.50798	443130.00	3773180.00	1.81164
443230.00	3773180.00	2.17226	443330.00	3773180.00	2.52000
443430.00	3773180.00	2.71200	443530.00	3773180.00	2.50799
443630.00	3773180.00	2.50649	443730.00	3773180.00	2.36616
443830.00	3773180.00	2.18340	443930.00	3773180.00	2.01774
444030.00	3773180.00	1.81988	444130.00	3773180.00	1.61424
444230.00	3773180.00	1.41781	444330.00	3773180.00	1.23753
442230.00	3773280.00	0.34300	442330.00	3773280.00	0.38604
442430.00	3773280.00	0.43714	442530.00	3773280.00	0.49557
442630.00	3773280.00	0.58020	442730.00	3773280.00	0.67865
442830.00	3773280.00	0.80093	442930.00	3773280.00	0.96716
443030.00	3773280.00	1.10404	443130.00	3773280.00	1.32061
443230.00	3773280.00	1.53635	443330.00	3773280.00	1.77613
443430.00	3773280.00	1.86768	443530.00	3773280.00	1.78930
443630.00	3773280.00	1.74723	443730.00	3773280.00	1.66299
443830.00	3773280.00	1.72011	443930.00	3773280.00	1.58564
444030.00	3773280.00	1.47459	444130.00	3773280.00	1.37438
444230.00	3773280.00	1.24718	444330.00	3773280.00	1.13370
442230.00	3773380.00	0.29713	442330.00	3773380.00	0.33251
442430.00	3773380.00	0.37226	442530.00	3773380.00	0.41735
442630.00	3773380.00	0.46725	442730.00	3773380.00	0.55713

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	0.63522	442930.00	3773380.00	0.73751
443030.00	3773380.00	0.86926	443130.00	3773380.00	0.99872
443230.00	3773380.00	1.13652	443330.00	3773380.00	1.28662
443430.00	3773380.00	1.57448	443530.00	3773380.00	1.30294
443630.00	3773380.00	1.27596	443730.00	3773380.00	1.26646
443830.00	3773380.00	1.25509	443930.00	3773380.00	1.23556
444030.00	3773380.00	1.16676	444130.00	3773380.00	1.13894
444230.00	3773380.00	1.06917	444330.00	3773380.00	0.99591
442230.00	3773480.00	0.26380	442330.00	3773480.00	0.29060
442430.00	3773480.00	0.31807	442530.00	3773480.00	0.35821
442630.00	3773480.00	0.39676	442730.00	3773480.00	0.46266
442830.00	3773480.00	0.51631	442930.00	3773480.00	0.59255
443030.00	3773480.00	0.67879	443130.00	3773480.00	0.78553
443230.00	3773480.00	0.86597	443330.00	3773480.00	0.95065
443430.00	3773480.00	0.91776	443530.00	3773480.00	0.93982
443630.00	3773480.00	0.95383	443730.00	3773480.00	0.92203
443830.00	3773480.00	0.96092	443930.00	3773480.00	0.93800
444030.00	3773480.00	0.93405	444130.00	3773480.00	0.92333
444230.00	3773480.00	0.88835	444330.00	3773480.00	0.84780
442230.00	3773580.00	0.23050	442330.00	3773580.00	0.25367
442430.00	3773580.00	0.27773	442530.00	3773580.00	0.30529
442630.00	3773580.00	0.33413	442730.00	3773580.00	0.37821
442830.00	3773580.00	0.42762	442930.00	3773580.00	0.48625
443030.00	3773580.00	0.55977	443130.00	3773580.00	0.62168
443230.00	3773580.00	0.66703	443330.00	3773580.00	0.69159
443430.00	3773580.00	0.72567	443530.00	3773580.00	0.74072
443630.00	3773580.00	0.72909	443730.00	3773580.00	0.71177
443830.00	3773580.00	0.73485	443930.00	3773580.00	0.72738
444030.00	3773580.00	0.73179	444130.00	3773580.00	0.76274
444230.00	3773580.00	0.75244	444330.00	3773580.00	0.71261
442380.00	3772130.00	1.01026	442480.00	3772130.00	1.16259
442580.00	3772130.00	1.34803	442680.00	3772130.00	1.57285
442780.00	3772130.00	1.84168	442880.00	3772130.00	2.15133
442980.00	3772130.00	2.48567	443080.00	3772130.00	2.81581
443180.00	3772130.00	3.09381	443280.00	3772130.00	3.27301
443380.00	3772130.00	3.31911	443480.00	3772130.00	3.22491
443580.00	3772130.00	3.00616	443680.00	3772130.00	2.70817
443780.00	3772130.00	2.36897	443880.00	3772130.00	2.04171
443980.00	3772130.00	1.74946	444080.00	3772130.00	1.49892
442380.00	3772230.00	1.08597	442480.00	3772230.00	1.26876

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	1.50028	442680.00	3772230.00	1.79560
442780.00	3772230.00	2.17030	442880.00	3772230.00	2.63265
442980.00	3772230.00	3.17330	443080.00	3772230.00	3.74073
443180.00	3772230.00	4.23822	443280.00	3772230.00	4.57044
443380.00	3772230.00	4.65766	443480.00	3772230.00	4.47815
443580.00	3772230.00	4.08510	443680.00	3772230.00	3.55797
443780.00	3772230.00	2.99088	443880.00	3772230.00	2.47921
443980.00	3772230.00	2.05158	444080.00	3772230.00	1.70451
442380.00	3772330.00	1.13137	442480.00	3772330.00	1.35515
442580.00	3772330.00	1.65183	442680.00	3772330.00	2.03298
442780.00	3772330.00	2.55413	442880.00	3772330.00	3.26732
442980.00	3772330.00	4.20042	443080.00	3772330.00	5.27390
443180.00	3772330.00	6.24638	443280.00	3772330.00	6.89301
443380.00	3772330.00	7.05343	443480.00	3772330.00	6.72463
443580.00	3772330.00	5.93538	443680.00	3772330.00	4.88435
443780.00	3772330.00	3.86563	443880.00	3772330.00	3.03650
443980.00	3772330.00	2.41912	444080.00	3772330.00	1.95077
442380.00	3772430.00	1.11603	442480.00	3772430.00	1.37700
442580.00	3772430.00	1.75018	442680.00	3772430.00	2.26117
442780.00	3772430.00	2.96596	442880.00	3772430.00	4.06372
442980.00	3772430.00	5.78783	443080.00	3772430.00	8.16549
443180.00	3772430.00	10.44239	443280.00	3772430.00	11.80614
443380.00	3772430.00	12.16219	443480.00	3772430.00	11.49547
443580.00	3772430.00	9.65884	443680.00	3772430.00	7.18695
443780.00	3772430.00	5.14823	443880.00	3772430.00	3.75935
443980.00	3772430.00	2.82696	444080.00	3772430.00	2.21339
442380.00	3772530.00	1.05986	442480.00	3772530.00	1.33628
442580.00	3772530.00	1.75755	442680.00	3772530.00	2.36054
442780.00	3772530.00	3.28496	442880.00	3772530.00	4.89821
442980.00	3772530.00	8.28803	443080.00	3772530.00	15.69406
443180.00	3772530.00	23.11149	443280.00	3772530.00	26.29040
443380.00	3772530.00	27.14971	443480.00	3772530.00	25.95310
443580.00	3772530.00	20.17156	443680.00	3772530.00	11.80021
443780.00	3772530.00	7.02680	443880.00	3772530.00	4.62856
443980.00	3772530.00	3.30182	444080.00	3772530.00	2.49335
442380.00	3772630.00	0.97387	442480.00	3772630.00	1.24993
442580.00	3772630.00	1.64899	442680.00	3772630.00	2.22804
442780.00	3772630.00	3.16976	443680.00	3772630.00	21.03420
443780.00	3772630.00	9.26756	443880.00	3772630.00	5.52696
443980.00	3772630.00	3.75036	444080.00	3772630.00	2.74770

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	0.88812	442480.00	3772730.00	1.14397
442580.00	3772730.00	1.44939	442680.00	3772730.00	1.93409
442780.00	3772730.00	2.85516	443680.00	3772730.00	22.44288
443780.00	3772730.00	9.90763	443880.00	3772730.00	5.83982
443980.00	3772730.00	3.94680	444080.00	3772730.00	2.88144
442380.00	3772830.00	0.77851	442480.00	3772830.00	0.97899
442580.00	3772830.00	1.22487	442680.00	3772830.00	1.62997
442780.00	3772830.00	2.29520	443080.00	3772830.00	8.47350
443180.00	3772830.00	10.85271	443580.00	3772830.00	16.97825
443680.00	3772830.00	12.13387	443780.00	3772830.00	7.72227
443880.00	3772830.00	5.19726	443980.00	3772830.00	3.72235
444080.00	3772830.00	2.80195	442380.00	3772930.00	0.68120
442480.00	3772930.00	0.81249	442580.00	3772930.00	1.04580
442680.00	3772930.00	1.30320	442780.00	3772930.00	1.80692
442880.00	3772930.00	2.44573	442980.00	3772930.00	3.35175
443080.00	3772930.00	4.56642	443180.00	3772930.00	6.09373
443280.00	3772930.00	7.13820	443380.00	3772930.00	8.08336
443480.00	3772930.00	8.48391	443580.00	3772930.00	8.24233
443680.00	3772930.00	6.90522	443780.00	3772930.00	5.37629
443880.00	3772930.00	4.12932	443980.00	3772930.00	3.20614
444080.00	3772930.00	2.53759	442380.00	3773030.00	0.58808
442480.00	3773030.00	0.71045	442580.00	3773030.00	0.86798
442680.00	3773030.00	1.06743	442780.00	3773030.00	1.29469
442880.00	3773030.00	1.77691	442980.00	3773030.00	2.30267
443080.00	3773030.00	2.94151	443180.00	3773030.00	3.68201
443280.00	3773030.00	4.37207	443380.00	3773030.00	4.84763
443480.00	3773030.00	5.20027	443580.00	3773030.00	4.76507
443680.00	3773030.00	4.35850	443780.00	3773030.00	3.78792
443880.00	3773030.00	3.20368	443980.00	3773030.00	2.64591
444080.00	3773030.00	2.19757	442380.00	3773130.00	0.50910
442480.00	3773130.00	0.60249	442580.00	3773130.00	0.71706
442680.00	3773130.00	0.86167	442780.00	3773130.00	1.07347
442880.00	3773130.00	1.29786	442980.00	3773130.00	1.62426
443080.00	3773130.00	1.97473	443180.00	3773130.00	2.43503
443280.00	3773130.00	2.82169	443380.00	3773130.00	3.23363
443480.00	3773130.00	3.79737	443580.00	3773130.00	3.17606
443680.00	3773130.00	2.91812	443780.00	3773130.00	2.64809
443880.00	3773130.00	2.52856	443980.00	3773130.00	2.17479
444080.00	3773130.00	1.86992	442380.00	3773230.00	0.44240
442480.00	3773230.00	0.51541	442580.00	3773230.00	0.58870

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0000214 , L0000215 , L0000216 , L0000217 , L0000218 ,
L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 ,
L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	0.69656	442780.00	3773230.00	0.81050
442880.00	3773230.00	0.96500	442980.00	3773230.00	1.19113
443080.00	3773230.00	1.39763	443180.00	3773230.00	1.69689
443280.00	3773230.00	1.94942	443380.00	3773230.00	2.21599
443480.00	3773230.00	2.13560	443580.00	3773230.00	2.05188
443680.00	3773230.00	2.03926	443780.00	3773230.00	2.01366
443880.00	3773230.00	1.85889	443980.00	3773230.00	1.71294
444080.00	3773230.00	1.57501			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 , L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442230.00	3771880.00	11.77524	442330.00	3771880.00	12.97014
442430.00	3771880.00	14.29910	442530.00	3771880.00	15.76270
442630.00	3771880.00	17.34132	442730.00	3771880.00	19.00938
442830.00	3771880.00	20.69013	442930.00	3771880.00	22.31550
443030.00	3771880.00	23.80819	443130.00	3771880.00	25.04583
443230.00	3771880.00	25.95476	443330.00	3771880.00	26.49788
443430.00	3771880.00	26.63731	443530.00	3771880.00	26.28715
443630.00	3771880.00	25.29734	443730.00	3771880.00	23.63724
443830.00	3771880.00	21.67111	443930.00	3771880.00	19.64619
444030.00	3771880.00	17.70990	444130.00	3771880.00	15.98278
444230.00	3771880.00	14.42764	444330.00	3771880.00	13.03038
442230.00	3771980.00	12.70716	442330.00	3771980.00	14.14459
442430.00	3771980.00	15.78317	442530.00	3771980.00	17.63759
442630.00	3771980.00	19.69860	442730.00	3771980.00	21.93867
442830.00	3771980.00	24.27006	442930.00	3771980.00	26.59011
443030.00	3771980.00	28.71960	443130.00	3771980.00	30.52241
443230.00	3771980.00	31.87166	443330.00	3771980.00	32.81688
443430.00	3771980.00	33.37880	443530.00	3771980.00	33.51183
443630.00	3771980.00	32.27579	443730.00	3771980.00	29.36162
443830.00	3771980.00	26.04856	443930.00	3771980.00	22.97168
444030.00	3771980.00	20.26179	444130.00	3771980.00	17.92502
444230.00	3771980.00	15.91560	444330.00	3771980.00	14.27186
442230.00	3772080.00	13.67169	442330.00	3772080.00	15.39289
442430.00	3772080.00	17.41053	442530.00	3772080.00	19.76461
442630.00	3772080.00	22.47975	442730.00	3772080.00	25.53350
442830.00	3772080.00	28.83941	442930.00	3772080.00	32.22217
443030.00	3772080.00	35.42940	443130.00	3772080.00	38.12009
443230.00	3772080.00	40.18912	443330.00	3772080.00	41.71660
443430.00	3772080.00	43.20732	443530.00	3772080.00	46.40746
443630.00	3772080.00	48.52694	443730.00	3772080.00	38.87866
443830.00	3772080.00	32.04919	443930.00	3772080.00	27.11583
444030.00	3772080.00	23.28171	444130.00	3772080.00	20.20232
444230.00	3772080.00	17.69494	444330.00	3772080.00	15.62069
442230.00	3772180.00	14.63613	442330.00	3772180.00	16.68431
442430.00	3772180.00	19.15005	442530.00	3772180.00	22.14730
442630.00	3772180.00	25.75030	442730.00	3772180.00	30.00106
442830.00	3772180.00	34.82771	442930.00	3772180.00	39.96287
443030.00	3772180.00	44.93888	443130.00	3772180.00	49.21259
443230.00	3772180.00	52.43674	443330.00	3772180.00	54.80414
443430.00	3772180.00	57.49694	443530.00	3772180.00	69.67439

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772180.00	120.50838	443730.00	3772180.00	55.54897
443830.00	3772180.00	40.13984	443930.00	3772180.00	32.27880
444030.00	3772180.00	26.72170	444130.00	3772180.00	22.76107
444230.00	3772180.00	19.58479	444330.00	3772180.00	17.06726
442230.00	3772280.00	15.51565	442330.00	3772280.00	17.98012
442430.00	3772280.00	20.97228	442530.00	3772280.00	24.74189
442630.00	3772280.00	29.52565	442730.00	3772280.00	35.56651
442830.00	3772280.00	42.89465	442930.00	3772280.00	51.17514
443030.00	3772280.00	59.50838	443130.00	3772280.00	66.60563
443230.00	3772280.00	71.63643	443330.00	3772280.00	74.76085
443430.00	3772280.00	77.67517	443530.00	3772280.00	91.87213
443630.00	3772280.00	123.11262	443730.00	3772280.00	72.05467
443830.00	3772280.00	49.47575	443930.00	3772280.00	38.17582
444030.00	3772280.00	30.80333	444130.00	3772280.00	25.55450
444230.00	3772280.00	21.60898	444330.00	3772280.00	18.59509
442230.00	3772380.00	16.02062	442330.00	3772380.00	18.98837
442430.00	3772380.00	22.35089	442530.00	3772380.00	27.03212
442630.00	3772380.00	33.71838	442730.00	3772380.00	42.43294
442830.00	3772380.00	54.03698	442930.00	3772380.00	68.65587
443030.00	3772380.00	84.33049	443130.00	3772380.00	97.40741
443230.00	3772380.00	105.89511	443330.00	3772380.00	110.08398
443430.00	3772380.00	111.31715	443530.00	3772380.00	120.06077
443630.00	3772380.00	145.06573	443730.00	3772380.00	87.63023
443830.00	3772380.00	59.26945	443930.00	3772380.00	44.52955
444030.00	3772380.00	35.04208	444130.00	3772380.00	28.52892
444230.00	3772380.00	23.74399	444330.00	3772380.00	20.16954
442230.00	3772480.00	16.18823	442330.00	3772480.00	19.30566
442430.00	3772480.00	23.30692	442530.00	3772480.00	29.23649
442630.00	3772480.00	38.05703	442730.00	3772480.00	50.42691
442830.00	3772480.00	69.64924	442930.00	3772480.00	99.16752
443030.00	3772480.00	136.17036	443130.00	3772480.00	165.50178
443230.00	3772480.00	179.84901	443330.00	3772480.00	188.85411
443430.00	3772480.00	187.13120	443530.00	3772480.00	177.01897
443630.00	3772480.00	181.20713	443730.00	3772480.00	107.24017
443830.00	3772480.00	70.44951	443930.00	3772480.00	51.24267
444030.00	3772480.00	39.40407	444130.00	3772480.00	31.52632
444230.00	3772480.00	25.89407	444330.00	3772480.00	21.73707
442230.00	3772580.00	14.75359	442330.00	3772580.00	18.05707
442430.00	3772580.00	23.39346	442530.00	3772580.00	29.66527
442630.00	3772580.00	40.25237	442730.00	3772580.00	56.88051

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3772580.00	89.17766	442930.00	3772580.00	162.82083
443030.00	3772580.00	332.09906	443130.00	3772580.00	454.31402
443230.00	3772580.00	443.15762	443330.00	3772580.00	525.11837
443430.00	3772580.00	540.34805	443530.00	3772580.00	392.92735
443630.00	3772580.00	262.62943	443730.00	3772580.00	135.32395
443830.00	3772580.00	83.05890	443930.00	3772580.00	58.41228
444030.00	3772580.00	43.86150	444130.00	3772580.00	34.46873
444230.00	3772580.00	27.99523	444330.00	3772580.00	23.27060
442230.00	3772680.00	14.06341	442330.00	3772680.00	17.47881
442430.00	3772680.00	22.70046	442530.00	3772680.00	30.24760
442630.00	3772680.00	41.46309	442730.00	3772680.00	60.57647
442830.00	3772680.00	106.62862	443630.00	3772680.00	433.35748
443730.00	3772680.00	165.26963	443830.00	3772680.00	95.25634
443930.00	3772680.00	64.71128	444030.00	3772680.00	47.69028
444130.00	3772680.00	37.02374	444230.00	3772680.00	29.77004
444330.00	3772680.00	24.56312	442230.00	3772780.00	12.88569
442330.00	3772780.00	15.83721	442430.00	3772780.00	20.39477
442530.00	3772780.00	26.81491	442630.00	3772780.00	37.46112
442730.00	3772780.00	54.37397	442830.00	3772780.00	97.83247
443130.00	3772780.00	372.46005	443630.00	3772780.00	353.72882
443730.00	3772780.00	168.27344	443830.00	3772780.00	98.95677
443930.00	3772780.00	67.66031	444030.00	3772780.00	49.86578
444130.00	3772780.00	38.60428	444230.00	3772780.00	30.94445
444330.00	3772780.00	25.48615	442230.00	3772880.00	11.60055
442330.00	3772880.00	14.16144	442430.00	3772880.00	17.13807
442530.00	3772880.00	22.62262	442630.00	3772880.00	30.14371
442730.00	3772880.00	43.25881	442830.00	3772880.00	68.46878
442930.00	3772880.00	113.70772	443030.00	3772880.00	177.48668
443130.00	3772880.00	224.71884	443530.00	3772880.00	380.16908
443630.00	3772880.00	267.86548	443730.00	3772880.00	151.64477
443830.00	3772880.00	94.46146	443930.00	3772880.00	66.36109
444030.00	3772880.00	49.65873	444130.00	3772880.00	38.76975
444230.00	3772880.00	31.22760	444330.00	3772880.00	25.78662
442230.00	3772980.00	10.28528	442330.00	3772980.00	12.25350
442430.00	3772980.00	14.86055	442530.00	3772980.00	18.70667
442630.00	3772980.00	24.34961	442730.00	3772980.00	31.94978
442830.00	3772980.00	46.76906	442930.00	3772980.00	66.01234
443030.00	3772980.00	92.76461	443130.00	3772980.00	132.40165
443230.00	3772980.00	221.60719	443330.00	3772980.00	317.97270
443430.00	3772980.00	308.56209	443530.00	3772980.00	252.70463

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
443630.00	3772980.00	259.37737	443730.00	3772980.00	140.64672
443830.00	3772980.00	86.70669	443930.00	3772980.00	62.10225
444030.00	3772980.00	47.33765	444130.00	3772980.00	37.50781
444230.00	3772980.00	30.55137	444330.00	3772980.00	25.43031
442230.00	3773080.00	9.13957	442330.00	3773080.00	10.66733
442430.00	3773080.00	12.62415	442530.00	3773080.00	15.59320
442630.00	3773080.00	19.40003	442730.00	3773080.00	25.69679
442830.00	3773080.00	33.29942	442930.00	3773080.00	46.02095
443030.00	3773080.00	59.11219	443130.00	3773080.00	76.40921
443230.00	3773080.00	103.90732	443330.00	3773080.00	128.76435
443430.00	3773080.00	137.59093	443530.00	3773080.00	146.59807
443630.00	3773080.00	202.97909	443730.00	3773080.00	122.29164
443830.00	3773080.00	76.88045	443930.00	3773080.00	56.13985
444030.00	3773080.00	43.57590	444130.00	3773080.00	35.11899
444230.00	3773080.00	29.02843	444330.00	3773080.00	24.44036
442230.00	3773180.00	7.93996	442330.00	3773180.00	9.11752
442430.00	3773180.00	10.72959	442530.00	3773180.00	12.78746
442630.00	3773180.00	15.52430	442730.00	3773180.00	19.51911
442830.00	3773180.00	24.62641	442930.00	3773180.00	30.71876
443030.00	3773180.00	39.41033	443130.00	3773180.00	49.83171
443230.00	3773180.00	62.53915	443330.00	3773180.00	75.98897
443430.00	3773180.00	86.25421	443530.00	3773180.00	101.22727
443630.00	3773180.00	169.92767	443730.00	3773180.00	104.19796
443830.00	3773180.00	64.33475	443930.00	3773180.00	48.43812
444030.00	3773180.00	38.86259	444130.00	3773180.00	32.02302
444230.00	3773180.00	26.89586	444330.00	3773180.00	22.94172
442230.00	3773280.00	6.95440	442330.00	3773280.00	7.94090
442430.00	3773280.00	9.14724	442530.00	3773280.00	10.57480
442630.00	3773280.00	12.69775	442730.00	3773280.00	15.27233
442830.00	3773280.00	18.60318	442930.00	3773280.00	23.32261
443030.00	3773280.00	27.59054	443130.00	3773280.00	34.68543
443230.00	3773280.00	42.17887	443330.00	3773280.00	50.76677
443430.00	3773280.00	58.31676	443530.00	3773280.00	74.53674
443630.00	3773280.00	139.03644	443730.00	3773280.00	83.88212
443830.00	3773280.00	53.16785	443930.00	3773280.00	40.71681
444030.00	3773280.00	33.46628	444130.00	3773280.00	28.52138
444230.00	3773280.00	24.51681	444330.00	3773280.00	21.36488
442230.00	3773380.00	5.99108	442330.00	3773380.00	6.79752
442430.00	3773380.00	7.72927	442530.00	3773380.00	8.81789
442630.00	3773380.00	10.06374	442730.00	3773380.00	12.32480

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442830.00	3773380.00	14.40851	442930.00	3773380.00	17.23401
443030.00	3773380.00	21.05583	443130.00	3773380.00	25.16113
443230.00	3773380.00	30.04223	443330.00	3773380.00	35.70501
443430.00	3773380.00	45.75398	443530.00	3773380.00	48.36330
443630.00	3773380.00	77.42790	443730.00	3773380.00	53.04370
443830.00	3773380.00	39.56794	443930.00	3773380.00	32.95747
444030.00	3773380.00	28.24416	444130.00	3773380.00	24.65683
444230.00	3773380.00	21.72229	444330.00	3773380.00	19.31421
442230.00	3773480.00	5.30673	442330.00	3773480.00	5.91835
442430.00	3773480.00	6.56389	442530.00	3773480.00	7.51164
442630.00	3773480.00	8.45844	442730.00	3773480.00	10.08099
442830.00	3773480.00	11.48176	442930.00	3773480.00	13.51768
443030.00	3773480.00	15.95083	443130.00	3773480.00	19.14787
443230.00	3773480.00	21.93390	443330.00	3773480.00	25.38394
443430.00	3773480.00	25.92176	443530.00	3773480.00	29.18056
443630.00	3773480.00	31.91663	443730.00	3773480.00	29.79394
443830.00	3773480.00	28.02899	443930.00	3773480.00	25.09729
444030.00	3773480.00	22.97798	444130.00	3773480.00	21.00181
444230.00	3773480.00	19.04164	444330.00	3773480.00	17.32795
442230.00	3773580.00	4.62333	442330.00	3773580.00	5.14581
442430.00	3773580.00	5.70194	442530.00	3773580.00	6.35130
442630.00	3773580.00	7.04976	442730.00	3773580.00	8.11722
442830.00	3773580.00	9.34971	442930.00	3773580.00	10.86367
443030.00	3773580.00	12.85117	443130.00	3773580.00	14.67783
443230.00	3773580.00	16.20945	443330.00	3773580.00	17.34419
443430.00	3773580.00	18.97354	443530.00	3773580.00	20.18067
443630.00	3773580.00	20.31025	443730.00	3773580.00	19.65805
443830.00	3773580.00	19.78699	443930.00	3773580.00	18.78757
444030.00	3773580.00	18.01757	444130.00	3773580.00	17.54310
444230.00	3773580.00	16.41062	444330.00	3773580.00	15.15539
442380.00	3772130.00	17.09339	442480.00	3772130.00	19.53674
442580.00	3772130.00	22.42613	442680.00	3772130.00	25.79081
442780.00	3772130.00	29.59626	442880.00	3772130.00	33.69540
442980.00	3772130.00	37.78060	443080.00	3772130.00	41.49338
443180.00	3772130.00	44.48784	443280.00	3772130.00	46.69251
443380.00	3772130.00	48.49919	443480.00	3772130.00	51.95670
443580.00	3772130.00	73.97530	443680.00	3772130.00	57.61281
443780.00	3772130.00	40.16269	443880.00	3772130.00	32.35442
443980.00	3772130.00	27.08350	444080.00	3772130.00	23.07384
442380.00	3772230.00	18.62249	442480.00	3772230.00	21.64750

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 , L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442580.00	3772230.00	25.38132	442680.00	3772230.00	29.98396
442780.00	3772230.00	35.49552	442880.00	3772230.00	41.73176
442980.00	3772230.00	48.21996	443080.00	3772230.00	54.20929
443180.00	3772230.00	58.97156	443280.00	3772230.00	62.33304
443380.00	3772230.00	64.81345	443480.00	3772230.00	70.37492
443580.00	3772230.00	126.79760	443680.00	3772230.00	90.83158
443780.00	3772230.00	52.17386	443880.00	3772230.00	39.32088
443980.00	3772230.00	31.64066	444080.00	3772230.00	26.16133
442380.00	3772330.00	20.00349	442480.00	3772330.00	23.78548
442580.00	3772330.00	28.65775	442680.00	3772330.00	34.99512
442780.00	3772330.00	43.17152	442880.00	3772330.00	53.26965
442980.00	3772330.00	64.54266	443080.00	3772330.00	75.12432
443180.00	3772330.00	83.09753	443280.00	3772330.00	88.13933
443380.00	3772330.00	90.62235	443480.00	3772330.00	94.87848
443580.00	3772330.00	145.35213	443680.00	3772330.00	110.88551
443780.00	3772330.00	64.19664	443880.00	3772330.00	46.89565
443980.00	3772330.00	36.75488	444080.00	3772330.00	29.70866
442380.00	3772430.00	20.78450	442480.00	3772430.00	25.35620
442580.00	3772430.00	31.83904	442680.00	3772430.00	40.70484
442780.00	3772430.00	53.10129	442880.00	3772430.00	70.70895
442980.00	3772430.00	93.14573	443080.00	3772430.00	115.06580
443180.00	3772430.00	129.99970	443280.00	3772430.00	138.16557
443380.00	3772430.00	140.98928	443480.00	3772430.00	138.93146
443580.00	3772430.00	174.93672	443680.00	3772430.00	133.13544
443780.00	3772430.00	77.41994	443880.00	3772430.00	55.20203
443980.00	3772430.00	41.88909	444080.00	3772430.00	33.27816
442380.00	3772530.00	21.03985	442480.00	3772530.00	26.32453
442580.00	3772530.00	34.15236	442680.00	3772530.00	45.90746
442780.00	3772530.00	65.03041	442880.00	3772530.00	98.62204
442980.00	3772530.00	156.98559	443080.00	3772530.00	223.25660
443180.00	3772530.00	253.90896	443280.00	3772530.00	268.05945
443380.00	3772530.00	286.09661	443480.00	3772530.00	262.63033
443580.00	3772530.00	244.73265	443680.00	3772530.00	167.78910
443780.00	3772530.00	93.96364	443880.00	3772530.00	64.19788
443980.00	3772530.00	47.50158	444080.00	3772530.00	36.92225
442380.00	3772630.00	19.81979	442480.00	3772630.00	25.96109
442580.00	3772630.00	34.95722	442680.00	3772630.00	48.57396
442780.00	3772630.00	74.33618	443680.00	3772630.00	227.27148
443780.00	3772630.00	113.11763	443880.00	3772630.00	73.64108
443980.00	3772630.00	52.96702	444080.00	3772630.00	40.35356

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442380.00	3772730.00	18.51537	442480.00	3772730.00	24.33781
442580.00	3772730.00	32.02690	442680.00	3772730.00	45.44146
442780.00	3772730.00	76.00571	443680.00	3772730.00	269.42702
443780.00	3772730.00	126.11273	443880.00	3772730.00	79.95270
443980.00	3772730.00	56.81249	444080.00	3772730.00	42.95043
442380.00	3772830.00	16.59447	442480.00	3772830.00	21.42599
442580.00	3772830.00	27.82884	442680.00	3772830.00	39.07986
442780.00	3772830.00	61.31429	443080.00	3772830.00	289.48481
443180.00	3772830.00	363.47746	443580.00	3772830.00	364.98922
443680.00	3772830.00	230.78244	443780.00	3772830.00	121.81561
443880.00	3772830.00	80.21915	443980.00	3772830.00	57.73339
444080.00	3772830.00	43.90000	442380.00	3772930.00	14.52693
442480.00	3772930.00	17.79887	442580.00	3772930.00	23.90545
442680.00	3772930.00	31.34204	442780.00	3772930.00	46.41737
442880.00	3772930.00	68.29074	442980.00	3772930.00	101.47417
443080.00	3772930.00	140.95999	443180.00	3772930.00	232.20838
443280.00	3772930.00	490.33228	443380.00	3772930.00	574.63400
443480.00	3772930.00	397.97008	443580.00	3772930.00	289.24393
443680.00	3772930.00	222.36456	443780.00	3772930.00	112.32124
443880.00	3772930.00	75.79886	443980.00	3772930.00	55.73626
444080.00	3772930.00	43.02053	442380.00	3773030.00	12.45210
442480.00	3773030.00	15.46119	442580.00	3773030.00	19.54433
442680.00	3773030.00	25.05851	442780.00	3773030.00	31.83451
442880.00	3773030.00	46.35253	442980.00	3773030.00	62.55455
443080.00	3773030.00	84.44703	443180.00	3773030.00	121.09814
443280.00	3773030.00	168.31282	443380.00	3773030.00	191.57972
443480.00	3773030.00	185.58451	443580.00	3773030.00	208.23951
443680.00	3773030.00	208.47755	443780.00	3773030.00	100.92316
443880.00	3773030.00	69.05265	443980.00	3773030.00	51.68089
444080.00	3773030.00	40.61658	442380.00	3773130.00	10.68820
442480.00	3773130.00	12.95455	442580.00	3773130.00	15.85904
442680.00	3773130.00	19.70658	442780.00	3773130.00	25.60485
442880.00	3773130.00	32.27103	442980.00	3773130.00	42.36256
443080.00	3773130.00	54.13784	443180.00	3773130.00	70.75682
443280.00	3773130.00	87.91687	443380.00	3773130.00	102.97569
443480.00	3773130.00	115.85542	443580.00	3773130.00	160.57407
443680.00	3773130.00	183.07433	443780.00	3773130.00	85.60106
443880.00	3773130.00	60.79830	443980.00	3773130.00	46.45228
444080.00	3773130.00	37.15856	442380.00	3773230.00	9.21279
442480.00	3773230.00	10.96561	442580.00	3773230.00	12.80490

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 ,
L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 ,
L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000058 ,
L0000059 ,
L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 ,
L0000066 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
442680.00	3773230.00	15.59548	442780.00	3773230.00	18.69969
442880.00	3773230.00	23.07100	442980.00	3773230.00	29.76695
443080.00	3773230.00	36.58493	443180.00	3773230.00	46.55755
443280.00	3773230.00	55.68694	443380.00	3773230.00	66.53423
443480.00	3773230.00	74.35258	443580.00	3773230.00	125.07186
443680.00	3773230.00	164.70919	443780.00	3773230.00	71.77401
443880.00	3773230.00	50.52874	443980.00	3773230.00	39.93211
444080.00	3773230.00	33.12224			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE1	1ST HIGHEST VALUE IS	223.09657 AT (443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	168.81581 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	85.74550 AT (443330.00, 3772980.00, 350.38, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	76.89633 AT (443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	74.74540 AT (443430.00, 3772980.00, 348.93, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	40.97268 AT (443380.00, 3773030.00, 350.59, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	35.46018 AT (443230.00, 3772980.00, 352.06, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	33.68279 AT (443530.00, 3772880.00, 345.36, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	31.98663 AT (443280.00, 3773030.00, 352.25, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	30.11208 AT (443530.00, 3772980.00, 348.63, 3068.19, 0.00)	DC	
SLINE10	1ST HIGHEST VALUE IS	64.93085 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	53.15738 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	51.32449 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	38.23358 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	37.10096 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	34.21317 AT (443180.00, 3772930.00, 351.70, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	27.29563 AT (443130.00, 3772880.00, 350.96, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	26.89651 AT (443230.00, 3772980.00, 352.06, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	26.61609 AT (443180.00, 3772530.00, 343.70, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	22.32762 AT (443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
SLINE11	1ST HIGHEST VALUE IS	65.72696 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	65.57327 AT (443080.00, 3772830.00, 350.11, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	50.69003 AT (443030.00, 3772580.00, 346.66, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	31.72355 AT (443030.00, 3772880.00, 351.88, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	30.73804 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	27.99696 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	25.70689 AT (442930.00, 3772580.00, 347.79, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	25.41331 AT (443130.00, 3772880.00, 350.96, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	23.58394 AT (443080.00, 3772530.00, 344.87, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	22.06550 AT (442980.00, 3772530.00, 346.06, 3068.19, 0.00)	DC	
SLINE12	1ST HIGHEST VALUE IS	49.27494 AT (443080.00, 3772830.00, 350.11, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	44.06134 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	40.91286 AT (443030.00, 3772580.00, 346.66, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	32.23104 AT (443030.00, 3772880.00, 351.88, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	31.09936 AT (442930.00, 3772580.00, 347.79, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	23.90236 AT (442930.00, 3772880.00, 354.31, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	22.22736 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	22.15848 AT (442830.00, 3772680.00, 351.08, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	22.15072 AT (442980.00, 3772530.00, 346.06, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	22.07416 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE13	1ST HIGHEST VALUE IS	58.23711 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	52.13373 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	47.25314 AT (443030.00, 3772580.00, 346.66, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	41.28481 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	41.19862 AT (443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	39.75130 AT (443430.00, 3772580.00, 342.47, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	36.40115 AT (443530.00, 3772580.00, 341.65, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	25.53917 AT (443180.00, 3772530.00, 343.70, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	24.05824 AT (443080.00, 3772530.00, 344.87, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	23.32462 AT (443280.00, 3772530.00, 342.90, 3068.19, 0.00)	DC	
SLINE14	1ST HIGHEST VALUE IS	71.30699 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	58.69200 AT (443030.00, 3772580.00, 346.66, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	55.52446 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	48.74738 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	48.52833 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	38.16895 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	29.09085 AT (443080.00, 3772530.00, 344.87, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	28.77895 AT (443180.00, 3772530.00, 343.70, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	27.90164 AT (443080.00, 3772830.00, 350.11, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	25.61219 AT (443180.00, 3772930.00, 351.70, 3068.19, 0.00)	DC	
SLINE15	1ST HIGHEST VALUE IS	68.60398 AT (443630.00, 3772980.00, 347.68, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	63.99885 AT (443580.00, 3772930.00, 347.35, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	63.06458 AT (443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	62.46001 AT (443530.00, 3772980.00, 348.63, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	59.05742 AT (443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	58.09180 AT (443680.00, 3773030.00, 348.55, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	57.29581 AT (443630.00, 3773080.00, 350.13, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	57.28811 AT (443430.00, 3772980.00, 348.93, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	56.24610 AT (443680.00, 3773130.00, 351.20, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	54.65851 AT (443680.00, 3773230.00, 353.56, 3068.19, 0.00)	DC	
SLINE16	1ST HIGHEST VALUE IS	78.45925 AT (443630.00, 3772180.00, 333.88, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	73.27305 AT (443580.00, 3772330.00, 336.76, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	72.21224 AT (443580.00, 3772230.00, 334.97, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	71.83930 AT (443580.00, 3772430.00, 338.69, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	69.49897 AT (443580.00, 3772530.00, 340.04, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	69.47266 AT (443630.00, 3772580.00, 341.69, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	68.59862 AT (443630.00, 3772480.00, 338.98, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	67.64842 AT (443630.00, 3772380.00, 337.35, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	65.89124 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	65.34714 AT (443630.00, 3772280.00, 335.71, 3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE17	1ST HIGHEST VALUE IS	72.61310 AT (443630.00, 3772980.00, 347.68, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	67.30290 AT (443630.00, 3773080.00, 350.13, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	66.91941 AT (443630.00, 3772880.00, 345.16, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	66.41166 AT (443680.00, 3772930.00, 346.43, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	66.06045 AT (443680.00, 3773130.00, 351.20, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	66.02810 AT (443680.00, 3773030.00, 348.55, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	65.15706 AT (443680.00, 3773230.00, 353.56, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	63.38734 AT (443680.00, 3772830.00, 344.90, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	62.00068 AT (443630.00, 3773180.00, 352.62, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	59.13444 AT (443630.00, 3772780.00, 344.31, 3068.19, 0.00)	DC	
SLINE18	1ST HIGHEST VALUE IS	3.51315 AT (443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	2.88362 AT (443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.83230 AT (443530.00, 3772880.00, 345.36, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.77875 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.31241 AT (443580.00, 3772830.00, 341.46, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.25993 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.02166 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.92949 AT (443080.00, 3772830.00, 350.11, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.86874 AT (443630.00, 3772780.00, 344.31, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.76771 AT (442830.00, 3772680.00, 351.08, 3068.19, 0.00)	DC	
SLINE19	1ST HIGHEST VALUE IS	4.43981 AT (443580.00, 3772830.00, 341.46, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	4.03425 AT (443530.00, 3772880.00, 345.36, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.90988 AT (443630.00, 3772780.00, 344.31, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.19715 AT (443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.05609 AT (443630.00, 3772880.00, 345.16, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.01600 AT (443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.88729 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.76738 AT (443580.00, 3772930.00, 347.35, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.75088 AT (443680.00, 3772830.00, 344.90, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.53977 AT (443680.00, 3772730.00, 340.66, 3068.19, 0.00)	DC	
SLINE2	1ST HIGHEST VALUE IS	86.09382 AT (443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	68.19488 AT (443530.00, 3772880.00, 345.36, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	66.98470 AT (443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	49.49293 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	39.32542 AT (443430.00, 3772980.00, 348.93, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	35.44865 AT (443330.00, 3772980.00, 350.38, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	28.99683 AT (443580.00, 3772830.00, 341.46, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	27.19465 AT (443580.00, 3772930.00, 347.35, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	26.88951 AT (443530.00, 3772980.00, 348.63, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	22.96726 AT (443380.00, 3773030.00, 350.59, 3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
SLINE20	1ST HIGHEST VALUE IS	6.21849	443130.00,	3772780.00,	349.81,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	5.60933	443130.00,	3772580.00,	345.51,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	2.97107	443230.00,	3772580.00,	344.42,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.65052	443180.00,	3772830.00,	350.54,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.17378	443030.00,	3772580.00,	346.66,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	1.80115	443080.00,	3772830.00,	350.11,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.74909	443180.00,	3772530.00,	343.70,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.62933	443080.00,	3772530.00,	344.87,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.21937	443330.00,	3772580.00,	343.60,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.16908	443130.00,	3772880.00,	350.96,	3068.19, 0.00)	DC	
SLINE21	1ST HIGHEST VALUE IS	4.05260	443080.00,	3772830.00,	350.11,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.96052	442930.00,	3772580.00,	347.79,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.58332	443030.00,	3772880.00,	351.88,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	3.42551	442930.00,	3772880.00,	354.31,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	3.14877	442830.00,	3772680.00,	351.08,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	3.13129	442830.00,	3772780.00,	353.07,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.82021	443130.00,	3772780.00,	349.81,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	2.37725	443030.00,	3772580.00,	346.66,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	2.00507	443130.00,	3772880.00,	350.96,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.79270	443180.00,	3772830.00,	350.54,	3068.19, 0.00)	DC	
SLINE22	1ST HIGHEST VALUE IS	4.36468	443380.00,	3772930.00,	348.87,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.59717	443480.00,	3772930.00,	348.03,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.52150	443280.00,	3772930.00,	350.43,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	3.41929	443630.00,	3772680.00,	343.13,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	3.13818	443530.00,	3772880.00,	345.36,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	2.42059	442830.00,	3772780.00,	353.07,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	2.30505	443430.00,	3772580.00,	342.47,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	2.30054	442830.00,	3772680.00,	351.08,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	2.29357	443130.00,	3772780.00,	349.81,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	2.20472	443330.00,	3772580.00,	343.60,	3068.19, 0.00)	DC	
SLINE23	1ST HIGHEST VALUE IS	8.61273	443630.00,	3772980.00,	347.68,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	7.44242	443580.00,	3772930.00,	347.35,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	6.98655	443480.00,	3772930.00,	348.03,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	6.72249	443680.00,	3773030.00,	348.55,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	6.46777	443530.00,	3772980.00,	348.63,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	6.35701	443680.00,	3773130.00,	351.20,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	6.27885	443630.00,	3773080.00,	350.13,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	6.02691	443680.00,	3773230.00,	353.56,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	6.02683	443430.00,	3772980.00,	348.93,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	5.91269	443380.00,	3772930.00,	348.87,	3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
SLINE24	1ST HIGHEST VALUE IS	8.36450	443630.00,	3772580.00,	341.69,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	7.91617	443630.00,	3772480.00,	338.98,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	7.22793	443580.00,	3772330.00,	336.76,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	7.19529	443630.00,	3772380.00,	337.35,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	7.12759	443580.00,	3772230.00,	334.97,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	6.85442	443580.00,	3772430.00,	338.69,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	6.68767	443630.00,	3772680.00,	343.13,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	6.60646	443630.00,	3772280.00,	335.71,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	6.45425	443580.00,	3772530.00,	340.04,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	6.08396	443680.00,	3772530.00,	339.30,	3068.19, 0.00)	DC	
SLINE3	1ST HIGHEST VALUE IS	112.47090	443580.00,	3772830.00,	341.46,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	89.88242	443530.00,	3772880.00,	345.36,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	71.27081	443630.00,	3772780.00,	344.31,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	65.12105	443480.00,	3772930.00,	348.03,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	63.77413	443380.00,	3772930.00,	348.87,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	38.37595	443630.00,	3772680.00,	343.13,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	37.28628	443580.00,	3772930.00,	347.35,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	37.12375	443630.00,	3772880.00,	345.16,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	34.11058	443280.00,	3772930.00,	350.43,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	32.08605	443430.00,	3772980.00,	348.93,	3068.19, 0.00)	DC	
SLINE4	1ST HIGHEST VALUE IS	154.57546	443430.00,	3772580.00,	342.47,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	140.59638	443330.00,	3772580.00,	343.60,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	57.81867	443380.00,	3772530.00,	342.20,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	57.76508	443530.00,	3772580.00,	341.65,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	46.03686	443480.00,	3772530.00,	341.06,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	38.24642	443280.00,	3772530.00,	342.90,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	35.91756	443230.00,	3772580.00,	344.42,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	29.18572	443430.00,	3772480.00,	339.98,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	27.62189	443330.00,	3772480.00,	341.03,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	21.26789	443580.00,	3772530.00,	340.04,	3068.19, 0.00)	DC	
SLINE5	1ST HIGHEST VALUE IS	74.27109	443430.00,	3772580.00,	342.47,	3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	61.97458	443330.00,	3772580.00,	343.60,	3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	46.18667	443530.00,	3772580.00,	341.65,	3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	35.51459	443380.00,	3772530.00,	342.20,	3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	32.28523	443480.00,	3772530.00,	341.06,	3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	25.16452	443230.00,	3772580.00,	344.42,	3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	24.69795	443630.00,	3772680.00,	343.13,	3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	24.68794	443280.00,	3772530.00,	342.90,	3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	21.18433	443430.00,	3772480.00,	339.98,	3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	19.30847	443330.00,	3772480.00,	341.03,	3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE6	1ST HIGHEST VALUE IS	86.77971 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	72.70360 AT (443430.00, 3772580.00, 342.47, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	71.80387 AT (443530.00, 3772580.00, 341.65, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	53.10693 AT (443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	42.77142 AT (443630.00, 3772780.00, 344.31, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	36.40127 AT (443680.00, 3772730.00, 340.66, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	35.55324 AT (443630.00, 3772580.00, 341.69, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	35.07264 AT (443480.00, 3772530.00, 341.06, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	31.32272 AT (443380.00, 3772530.00, 342.20, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	30.95871 AT (443680.00, 3772630.00, 341.20, 3068.19, 0.00)	DC	
SLINE7	1ST HIGHEST VALUE IS	50.92288 AT (443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	50.08432 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	47.58261 AT (443430.00, 3772580.00, 342.47, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	39.88185 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	33.79530 AT (443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	29.31824 AT (443530.00, 3772580.00, 341.65, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	27.90360 AT (443180.00, 3772930.00, 351.70, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	26.38022 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	25.15447 AT (443380.00, 3772530.00, 342.20, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	24.36952 AT (443280.00, 3772530.00, 342.90, 3068.19, 0.00)	DC	
SLINE8	1ST HIGHEST VALUE IS	93.50430 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	48.28414 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	43.72210 AT (443130.00, 3772780.00, 349.81, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	43.50210 AT (443030.00, 3772580.00, 346.66, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	36.69955 AT (443180.00, 3772530.00, 343.70, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	35.69544 AT (443080.00, 3772530.00, 344.87, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	23.53632 AT (443180.00, 3772830.00, 350.54, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	22.70030 AT (443130.00, 3772480.00, 343.75, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	22.30479 AT (443080.00, 3772830.00, 350.11, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	20.53686 AT (443280.00, 3772530.00, 342.90, 3068.19, 0.00)	DC	
SLINE9	1ST HIGHEST VALUE IS	54.33916 AT (443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	52.19905 AT (443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	52.19374 AT (443430.00, 3772580.00, 342.47, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	49.75305 AT (443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	48.04069 AT (443530.00, 3772580.00, 341.65, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	40.46346 AT (443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	27.14971 AT (443380.00, 3772530.00, 342.20, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	26.29040 AT (443280.00, 3772530.00, 342.90, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	25.95310 AT (443480.00, 3772530.00, 341.06, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	25.73747 AT (443630.00, 3772780.00, 344.31, 3068.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	574.63400 AT	(443380.00, 3772930.00, 348.87, 3068.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	540.34805 AT	(443430.00, 3772580.00, 342.47, 3068.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	525.11837 AT	(443330.00, 3772580.00, 343.60, 3068.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	490.33228 AT	(443280.00, 3772930.00, 350.43, 3068.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	454.31402 AT	(443130.00, 3772580.00, 345.51, 3068.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	443.15762 AT	(443230.00, 3772580.00, 344.42, 3068.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	433.35748 AT	(443630.00, 3772680.00, 343.13, 3068.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	397.97008 AT	(443480.00, 3772930.00, 348.03, 3068.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	392.92735 AT	(443530.00, 3772580.00, 341.65, 3068.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	380.16908 AT	(443530.00, 3772880.00, 345.36, 3068.19, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   956 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   49 Calm Hours Identified

A Total of   907 Missing Hours Identified (2.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   15445   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   15445   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

Appendix C

Biological Resources Assessment

Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012
213-788-4842

August 9, 2023
Rincon Project No. 19-08856

David Eoff, Senior Planner
City of Rancho Cucamonga
10500 Civic Center Drive
Rancho Cucamonga, California 91764
Via email: David.Eoff@cityofrc.us

Subject: Biological Resources Assessment for the 9th and Vineyard Development Project, Rancho Cucamonga, California

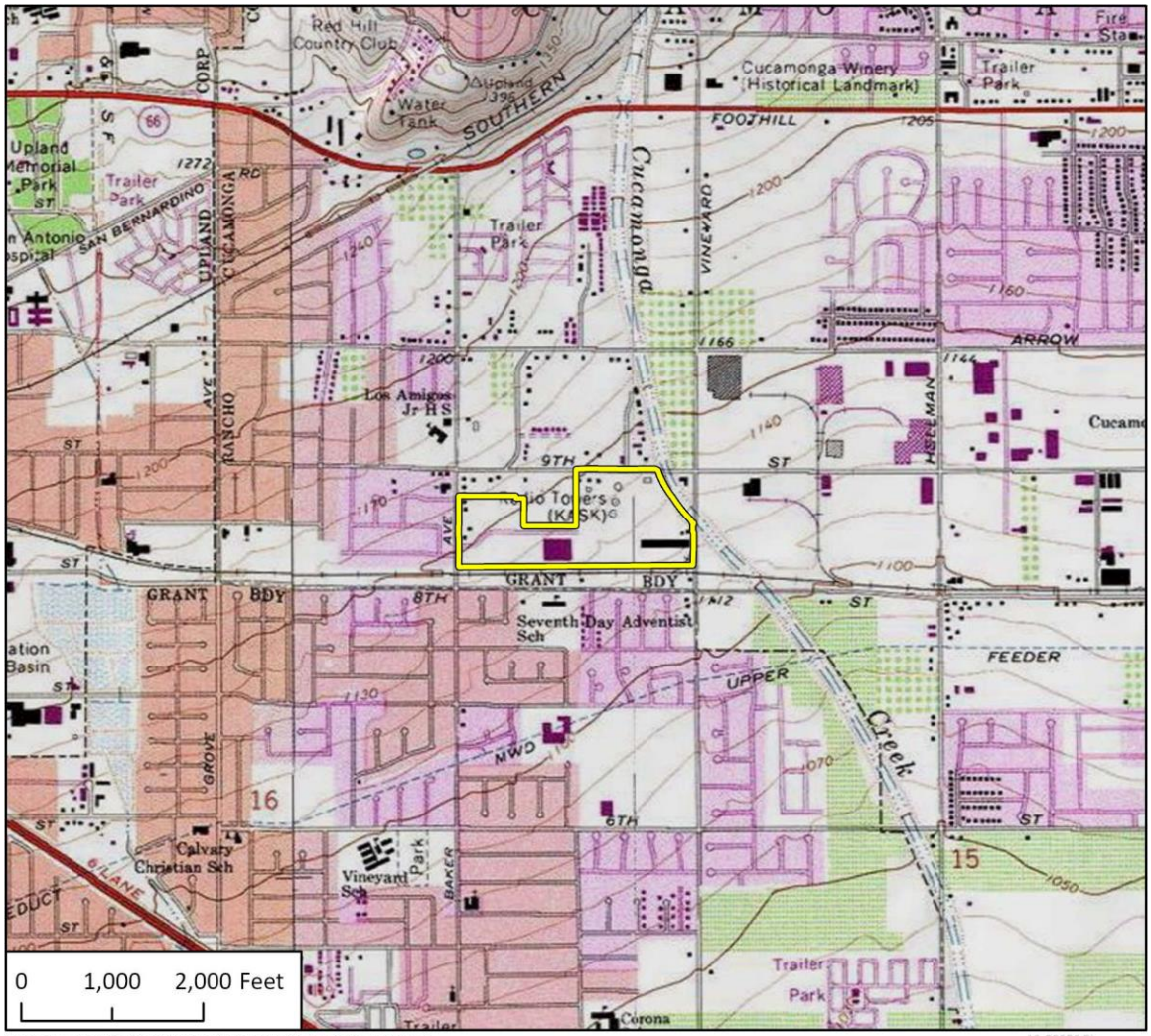
Dear Mr. Eoff:

Rincon Consultants, Inc. (Rincon) is pleased to submit this biological resources assessment (BRA) letter report (hereafter referred to as "Report") for the 9th and Vineyard Industrial Development Project (hereafter referred to as "project"), in Rancho Cucamonga, California. We understand that the ultimate purpose of this Report is to evaluate the potential for any regulated biological resources to be present within the approximately 47-acre proposed development area (hereafter referred to as "project area"), determine if the project has the potential to impact said regulated biological resources, and to recommend measures to avoid, minimize, or mitigate for any potential impacts to a less-than-significant level in accordance with the California Environmental Quality Act (CEQA). For the purposes of this Report, the project area along with a 100-foot buffer (hereafter referred to as "study area") was assessed for the presence, or the potential presence, of regulated biological resources.

Project Location

The project area is located in the southeastern corner of the City of Rancho Cucamonga (City), in San Bernardino County, California (Figure 1). It covers approximately 47-acres and is located across nine separate parcels; bound by Cucamonga Creek and Vineyard Avenue to the west, Baker Avenue to the east, 9th Street and an industrial development to the north, and the Atchison, Topeka and Santa Fe Railway to the south (Figure 2). The project area is in the *Guasti, California* United States Geological Survey (USGS) 7.5-minute topographic quadrangle. The Public Land Survey System depicts the Project Area in Township T1S, Range R7W, Section 9 of the San Bernardino Meridian. The nine separate parcels in the Project Area contain the following Assessor's Parcel Numbers (APNs): 0207-271-25, 0207-271-27, 0207-271-39, 0207-271-40, 0207-271-89, 0207-271-93, 0207-271-94, 0207-271-96, and 0207-271-97. All parcels are located within the City's Neo-Industrial Employment District and the center point is located at 34°5'35.90"N, 117°36'56.73"W.

Figure 1 Regional Location



Imagery provided by National Geographic Society, Esri and their licensors © 2023. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.

19-08856 Bio
Fig 1 Vicinity Map

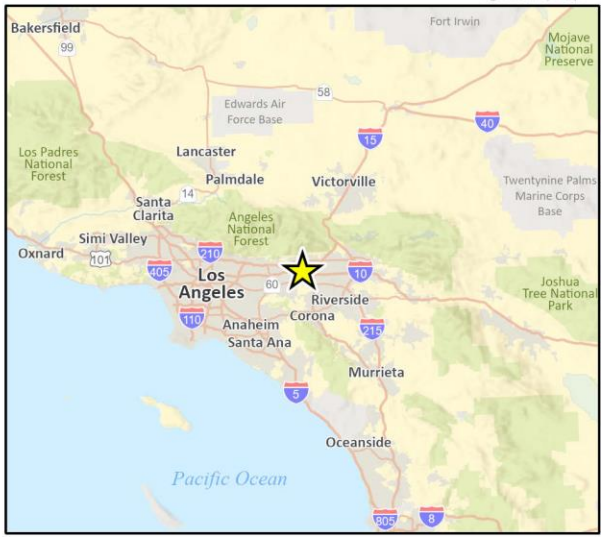
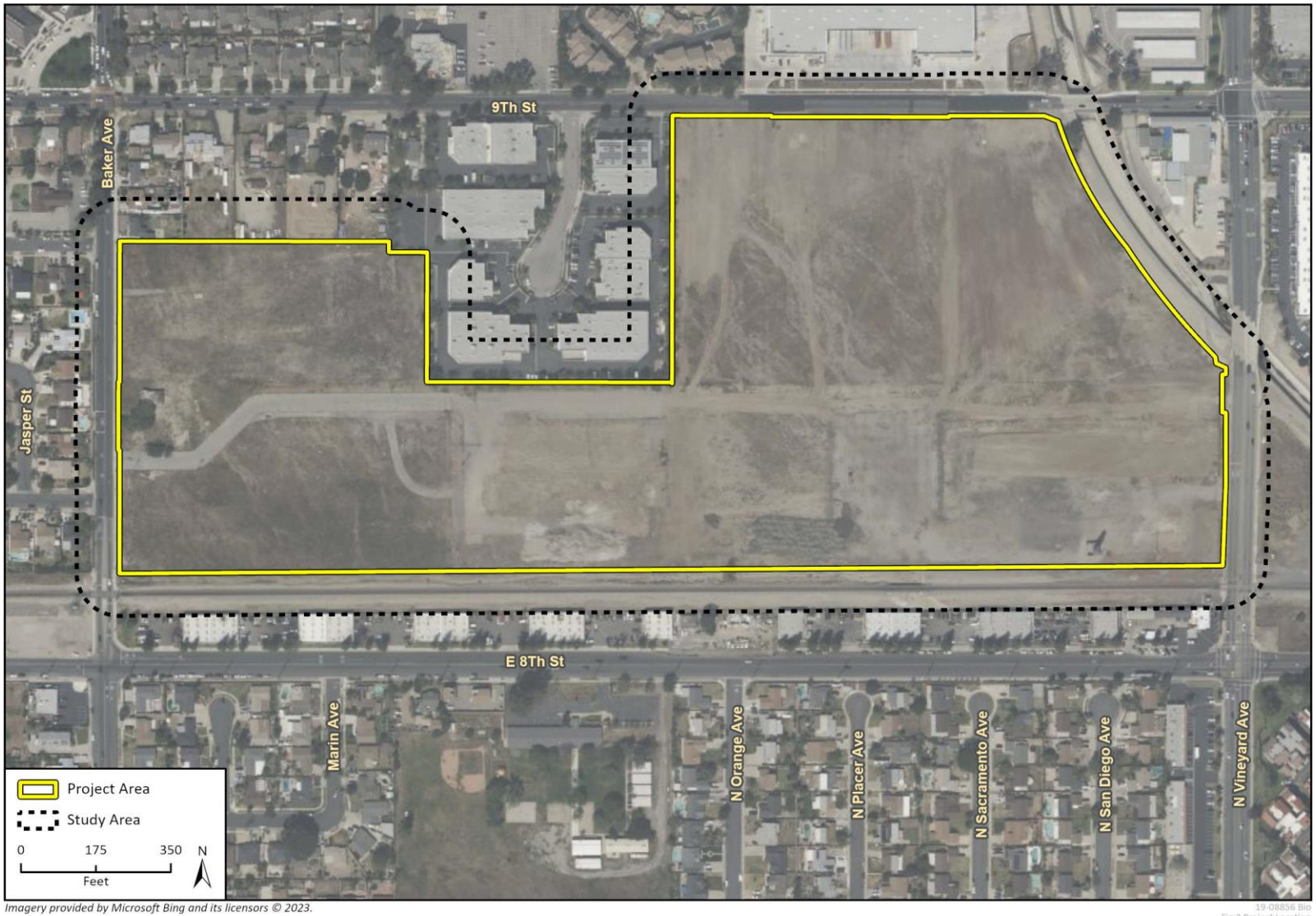


Figure 2 Project Location



Project Description

The proposed project involves construction of three warehouse buildings with ancillary office space, along with associated driveways, parking, and landscaping. The three warehouse buildings would cover a total of 982,096 square feet (sf), with 13,000 sf to be used as office space, and 969,096 sf to be used as warehouse space. The project would also create 362 automobile parking spaces and 168 trailer parking spaces. Vehicular access to the Project would consist of five driveways, with one on 9th Street, two on Vineyard Avenue, and two on Baker Avenue. Landscaping would be installed surrounding the warehouse buildings, parking spaces, and driveway entrances.

Methodology

Regulatory Overview

Regulated or sensitive resources studied and analyzed herein include special-status plant and animal species, nesting birds and raptors, sensitive plant communities, jurisdictional waters and wetlands, wildlife movement, and locally protected resources, such as protected trees. Regulatory authority over biological resources is shared by federal, state, and local authorities. Primary authority for regulation of general biological resources typically lies in the local land use control and planning authority, in this instance, the City of Rancho Cucamonga Community Development Department.

Definition of Special-status species

For the purposes of this project, special-status species include:

- Species listed as threatened or endangered under the federal Endangered Species Act (FESA);
- Species listed as candidate, threatened, endangered, or rare by the California Department of Fish and Wildlife (CDFW) under the California Endangered Species Act (CESA) or Native Plant Protection Act;
- Plant species occurring on lists 1 and 2 of the CDFW and California Native Plant Society (CNPS) California Rare Plant Rank (CRPR) system;
- Wildlife species designated as Fully Protected (FP), Species of Special Concern (SSC), or Watch List (WL) by the CDFW; and
- Species designated as sensitive or protected by the City and/or otherwise protected through ordinance or local policy.

Environmental Statues

For the purpose of this Report, potential impacts to biological resources were analyzed based on the following statutes:

- FESA
- Federal Clean Water Act (CWA)
- CESA
- CEQA
- California Fish and Game Code (CFGC)
- Migratory Bird Treaty Act (MBTA)

- The Bald and Golden Eagle Protection Act
- Porter-Cologne Water Quality Control Act
- County of San Bernardino Development Code

Literature Review

Prior to visiting the study area, Rincon reviewed Project plans, the previous biological technical report conducted for this project (Rocks 2021), aerial imagery, publicly available literature, and agency databases. These resources were reviewed to gain context of the biological resources within the study area and to identify special-status species that have been previously documented in the region. The following resources were referenced to complete this task:

- Aerial imagery of the study area was reviewed in Google Earth (Google Earth Pro 2023).
- The California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Plants (CNPS 2023) was reviewed for records of special-status plant species within the *Guasti*, *California* USGS quadrangle, and the eight surrounding quadrangles (*Ontario, Mount Baldy, Cucamonga Peak, Devore, Fontana, Riverside West, Corona North, and Prado Dam*);
- The California Natural Diversity Database (CNDDB; CDFW 2023a) was queried for records of special-status species within the *Guasti, California* USGS and eight surrounding quadrangles;
- The USFWS Information for Planning and Consultation (IPaC; USFWS 2023c) was searched for a list of federally threatened and endangered species known to occur within or near the study area;
- The USFWS and National Marine Fisheries Services (NMFS) Critical Habitat Portals (USFWS 2023b, NMFS 2023) was reviewed for information on designated critical habitat areas; and
- The information available in peer-reviewed journals and standard reference materials (Jameson and Peeters 2004, Holland 1986; Baldwin et al. 2012; Sawyer et al. 2009; Stebbins 2003; American Ornithologists Union 2014; Sibley 2016).

To aid in characterizing the nature and extent of jurisdictional waters potentially occurring within the study area, the following additional resources were reviewed:

- The most recent *Guasti, California* USGS 7.5-minute topographic quadrangle map (USGS 2023a)
- The U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA NRCS 2023a)
- The USFWS Information for Planning and Consultation (IPaC; USFWS 2023c)
- The National Wetlands Inventory (NWI; USFWS 2023a)
- The National Hydrography Dataset (USGS 2023a)
- The State Soils Data Access (SDA) Hydric Soils List (USDA NRCS 2023b)

Field Reconnaissance Survey

A field reconnaissance survey was conducted on foot between 8:00 am to 4:00 pm on June 8, 2023, by Rincon Biologist Casey Clark. The field survey was conducted to characterize the existing conditions in the study area and to investigate the presence, or potential presence, of special-status plant and wildlife species, sensitive plant communities, jurisdictional waters and wetlands, wildlife migration and movement corridors, and nesting bird habitat (regulated biological resources). All plant and animal species observed during the survey were documented and all regulated biological resources observed were photographed and recorded using a submeter-accurate global positioning system (GPS) unit.

Weather conditions during the survey included temperatures ranging between 60 to 65 degrees Fahrenheit, winds between one to five miles per hour, and partly overcast skies. Representative photographs of the site were taken and are included in Attachment 1 and the list of all plant and animal species observed during the field survey is included in Attachment 2.

Existing Site Conditions

Climate, Topography, and Land Use

The weather in the City is typical of a Mediterranean climate. Summers are warm and dry, while winters are cool and wet with most of the precipitation falling between November and March. The study area is located within the South Coast geographic subregion of California (Baldwin et al. 2012) and is generally flat with an elevation ranging from 1,110 to 1,160 feet above mean sea level. The project area is partially developed and contains a historic building, eroding asphalt, large sediment piles, and remnant gravel. The remaining portion of the project area is heavily disturbed and contains recent signs of discing. The 100-foot study area buffer contains developed land with residential communities and industrial buildings to the north and west, a railroad to the south, and a channelized stream along with a five-lane road to the east. Developed land surrounds the study area on all sides. The study area is not located within any habitat conservation plan areas, and no USFWS or NMFS critical habitat designations occur in the study area.

Soils

The USDA NRCS Web Soil Survey (USDA NRCS 2023a) depicts three soil map units[1] within the study area. This soil map units are Soboba stony loamy sand, 2 to 9 percent slopes (SpC), Tujunga loamy sand, 0 to 5 percent slopes (TuB), and Tujunga gravelly loamy sand, 0 to 9 percent slopes (TvC). All three soil map units typically occur on alluvial fans and are derived from granite. They are all somewhat excessively drained and have a low available water supply. SpC and TuB are not listed as hydric soils SDA; however, TvC is.

The conditions observed in the field generally match the soil map unit descriptions. However, the soil was heavily disturbed from apparent discing and contained debris, gravel, and other cobble-sized rocks spread throughout the survey area.

Hydrology

The study area is within the Chino Creek Watershed (Hydrological Unit Code [HUC] 10-1807020307). Cucamonga Creek, an intermittent stream, travels from north to southwest for 0.15 mile through the northeastern portion of the study area buffer. Its headwaters and associated tributaries originate in Cucamonga Canyon, which is located along the southern aspect of Mount Baldy. Cucamonga Creek travels south for approximately fifteen miles before converging with Mill Creek, which then converges with Chino Creek, followed by the Santa Ana River, and lastly the Pacific Ocean. The NWI identifies this portion of Cucamonga Creek as an intermittent riverine system with artificial substrate (R4SBCr). The NHD identifies this portion of Cucamonga Creek as a “canal ditch” and “artificial path.” These interpretations were observed to be accurate during the field survey. Cucamonga Creek has been channelized, contains a concrete streambed and banks, and does not support riparian or wetland vegetation. The Cucamonga Creek channel is homogeneous throughout the study area and is approximately 50-feet wide, from top of bank to top of bank, and the streambed is relatively flat;

[1] Published soil surveys are documented at a broad scale and they may not match the level of detail or refinement captured during formal jurisdictional delineation surveys.

therefore, coinciding the ordinary high water marks (OHWM) with the top of bank locations. The southwestern bank of Cucamonga Creek is approximately 45 feet northeast of the project area. No other aquatic features or indicators of hydrology were observed within the study area. Figure 4 depicts the limits of Cucamonga Creek within the study area.

Vegetation Communities and Land Cover Types

One vegetation community and two land cover types were documented within the study area during the field survey. Table 1 lists each vegetation community and land cover type documented and provides their approximate acreage and the percent area covered in the study area. Figure 3 depicts the locations of each vegetation community and land cover type in the study area. Brief descriptions of the vegetation communities and land cover types are provided in the subsections below and representative photographs are provided in Attachment 1.

The vegetation classification used for this analysis is based on *A Manual of California Vegetation, Second Edition* (MCV2; Sawyer et al. 2009). The land cover types that are not described in MCV2 were classified using conventional naming practices (i.e., disturbed and urban/developed). No CDFW sensitive natural communities are present in the study area (CDFW 2023).

Table 1 Summary of Vegetation Communities within the Study Area

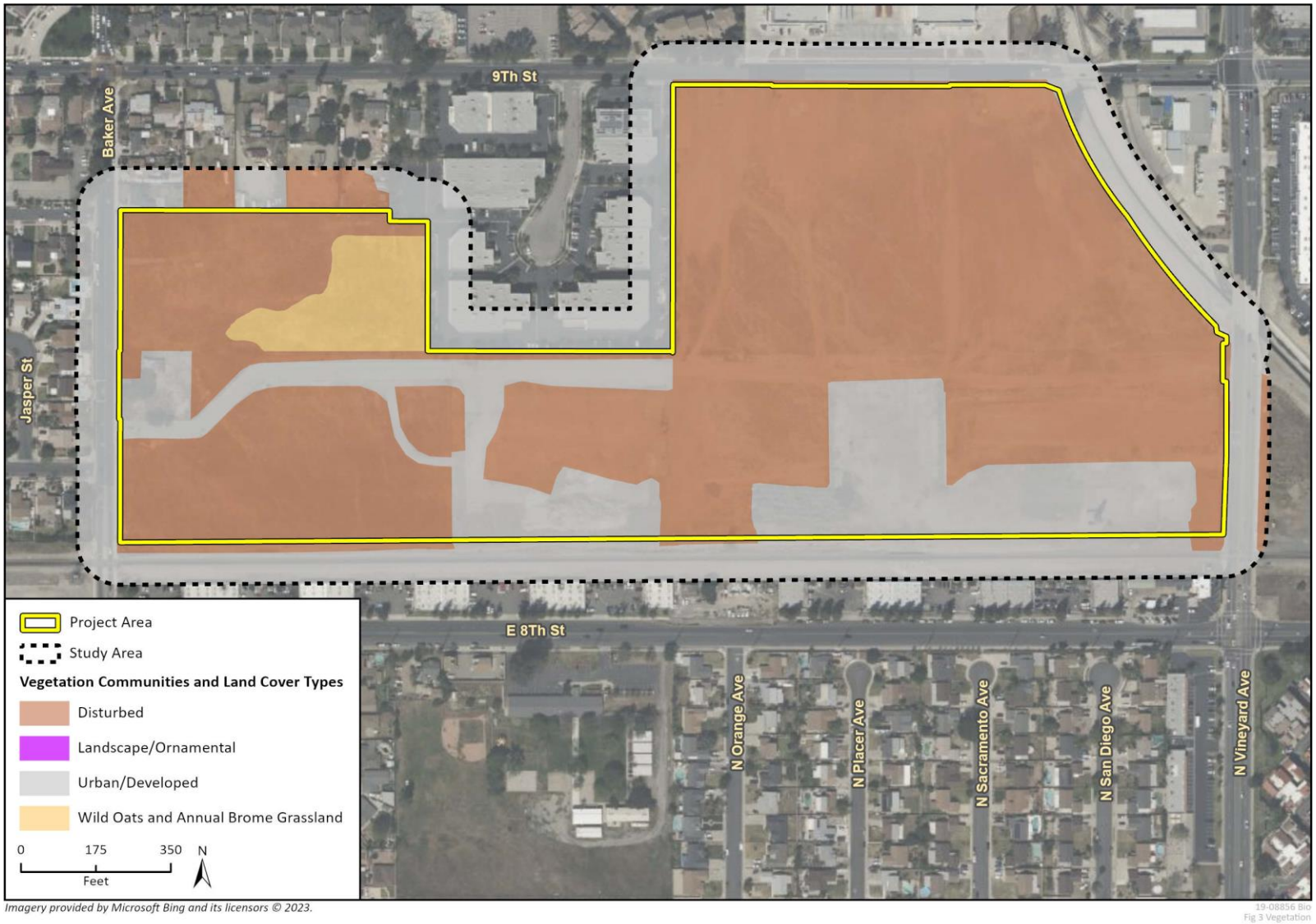
Type	Approximate Acreage	Approximate Percent Area
Disturbed	37.75	58
Urban/Developed	25.78	39
Wild Oats and Annual Brome Grassland	1.94	3
Total	**65.47**	**100%**

Disturbed

Disturbed land refers to any land where the native vegetation has been significantly altered by agriculture, construction, or other anthropogenic activities; and the species composition and site conditions are not characteristic of the disturbed phase of a particular vegetation community (e.g., disturbed coastal sage scrub). Disturbed land is typically found in vacant lots, roadsides, material storage areas, or abandoned fields, and is often dominated by non-native species and/or bare ground.

This landcover type covers approximately 37.75 acres of the study area and is found within the previously disced fields within the project area. This land cover type generally contains sparse coverage and is dominated by cheat grass (*Bromus tectorum*), short-podded mustard (*Hirschfeldia incana*), rattail fescue (*Festuca myuros*), and slender woolly wild buckwheat (*Eriogonum gracile* var. *gracile*) depending on location. This land cover type is not officially identified in the MCV2 (Sawyer et al. 2009).

Figure 3 Vegetation Communities



Urban/Developed

The urban/developed land cover type consists of areas that have been developed or otherwise physically altered to the extent that they no longer support most vegetation. Developed land is characterized by the presence of permanent or semi-permanent structures, gravel lots, pavement, or hardscape. This land cover type may also contain areas that are sparsely vegetated, primarily with ornamental and/or invasive species.

Urban/developed land covers approximately 25.78 acres of the study area and is associated with the residential, industrial, and commercial developments within the 100-foot study area buffer; and the historic building, eroding asphalt roads, gravel lots, and sediment piles in the project area. The groundcover generally contains pavement, asphalt, or modified soils. A trace amount of landscape/ornamental and/or non-native annual herbaceous species are present surrounding these features but do not contain enough cover to constitute their own land cover type. Characteristic trees of this land cover type in the study area include Afghan pine (*Pinus eldarica*), tipu tree (*Tipuana tipu*), Chinese elm (*Ulmus parvifolia*), and jacaranda (*Jacaranda mimosifolia*). Urban/developed land is not officially identified in MCV2 (Sawyer et al. 2009).

Wild Oats and Annual Brome Grassland

Wild oats and annual brome grassland is an open-to-dense naturalized vegetation community dominated or codominated by non-native, often invasive, annual grasses (e.g., wild oats [*Avena* spp.], ripgut brome [*Bromus diandrus*], and foxtail barley [*Hordeum murinum*]). This vegetation community is often interspersed with native and non-native forbs. Emergent trees and shrubs may be present but at low cover.

This vegetation community contains intermittent coverage and covers approximately 1.94 acres of the study area in a rockier portion of the project area, which does not show signs of being recently disced. The dominant species include ripgut brome, red brome (*Bromus madritensis* ssp. *rubens*), and slender oats (*Avena barbata*). Non-native forbs are common at low cover and most notably included short-podded mustard and telegraph weed (*Heterotheca grandiflora*). This vegetation community is located within the northwestern portion of the project area, just west of the industrial development that protrudes into the middle of the study area.

General Wildlife

Common urban and disturbed grassland wildlife species were observed during the field survey. The most notable and abundant species observed included California ground squirrel (*Otospermophilus beecheyi*), western kingbird (*Tyrannus verticalis*), American crow (*Corvus brachyrhynchos*), and northern mockingbird (*Mimus polyglottos*). A complete list of all plant and wildlife species observed in the study area is provided in Attachment 2.

Regulated Biological Resources

Federal, State, and local agencies regulate special-status species and other sensitive biological resources and may require an assessment of their presence or potential presence prior to the approval of proposed development on a property. This section discusses sensitive or regulated biological resources observed within the study area and evaluates the potential for the study area to support additional regulated biological resources. Assessments for the potential occurrence of special-status species are based upon known ranges, habitat preferences for the species, species occurrence records (e.g., CNDDB) from other sites in the vicinity of the project area, previous reports from nearby

projects, and the Project survey results. The potential for each special status species to occur in the study area was evaluated according to the following criteria:

- **No Potential.** Habitat on and adjacent to the site is clearly unsuitable for the species requirements (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime), and species would have been identifiable on the site if present.
- **Low Potential.** Few of the habitat components (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime) meeting the species requirements are present, and/or the majority of habitat on and adjacent to the site is unsuitable or of very poor quality. The species is not likely to occur on the site.
- **Moderate Potential**. Some of the habitat components (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime) meeting the species requirements are present, and/or only some of the habitat on or adjacent to the site is unsuitable. The species has a moderate probability of occurring on the site.
- **High Potential.** All the habitat components (foraging, breeding, cover, substrate, elevation, hydrology, plant community, site history, disturbance regime) meeting the species requirements are present and/or most of the habitat on or adjacent to the site is highly suitable. The species has a high probability of occurring on the site.
- **Present.** Species was observed on the site or has been recorded (e.g., CNDDB, other reports) on the site recently (within the last five years) with no significant changes to the site.

Special-Status Species

Based on the results of the literature review and field survey, one special-status wildlife species, Cooper's hawk (*Accipiter cooperii*; SSC), has a high potential to occur in the study area and four special-status wildlife species have a low potential to occur (i.e., burrowing owl [*Athene cunicularia*; SSC], western mastiff bat [*Eumops perotis*; SSC], and western yellow bat [*Lasiurus xanthinus*: SSC]). The remaining 97 special-status species identified during the literature and database review were determined to have no potential to occur within the study area based on a variety of factors: including the lack of suitable habitat, soils, or other required microhabitat conditions, and/or the study area's location in relation to the species' known geographic range and/or elevational range. Cooper's hawk is discussed in more detail in the subsection below. The four CEQA covered special-status species that have a low potential are not addressed further. A complete list of the special-status species evaluated for this project is provided in Attachment 3 and a more detailed analysis of Cooper's hawk is provided below.

Cooper's Hawk

Cooper's hawk, a CDFW WL species, occurs year-round throughout most of the continental United States. They are historically forest and woodland birds; however, they are also common in well-vegetated urban areas. They primarily eat birds but are also known to eat mammals and scavenge eggs from nests. They build their nests 25-50 feet high in a variety of tree species that are primarily in flat areas.

The study area is within this species' known geographic range and one of this species' documented habitat types is present within the study area (i.e., urban/developed land). The urban/developed land within the study area contains several mature ornamental trees (including eucalyptus trees and conifers) on flat land, which is suitable nesting habitat for this species. Additionally, a robust amount of suitable prey species were observed within the study area. This species was observed during the

reconnaissance survey conducted by Rocks Biological Consulting in 2021. Therefore, this species is considered to have a high potential to forage and nest within the study area.

Other Protected Species

Nesting Birds

The study area contains habitat that can support nesting birds, including raptors, protected under CFGC Section 3503 and the MBTA (16 United States Code Sections 703–712). Suitable nesting bird habitat within the study area includes the utility poles, landscape/ornamental trees and shrubs, buildings, and the annual brome and wild oats grassland.

Bald and Golden Eagles

Bald eagles (*Haliaeetus leucocephalus*) and golden eagles (*Aquila chrysaetos*) are protected under the Bald and Golden Eagle Protection Act. Bald eagles are known to nest and forage in areas of large undeveloped habitat surrounding larger riparian or open water areas (e.g., rivers or lakes). Large riparian or aquatic areas are absent from the study area; therefore, the study area does not contain suitable habitat for this species and it is not expected to nest or forage within the study area.

Golden eagles nest on open and steep cliff faces on the upper portions of mountainous terrain and forage in large tracts of open terrestrial habitat (e.g., meadows and grasslands). Nesting habitat is absent from the study area and suitable foraging habitat does not occur in the study area. Therefore, this species is not expected to nest or forage within the study area.

Protected Trees

According to the City of Rancho Cucamonga Development Code Section 17.80 (City of Rancho Cucamonga 2023), heritage trees shall be protected from indiscriminate cutting or removal. An approved Tree Removal Permit issued in compliance with Section 17.16.080 (Tree Removal Permit) is required to remove heritage trees, which are defined as any tree that meets at least one of the following criteria:

- Any tree in excess of 30 feet in height and having a single trunk diameter at breast height (DBH) of 20 inches or more as measured 4.5 feet from ground level; or
- Any tree on multi-family residential and mixed-use property in excess of 15 feet in height and having a single trunk diameter at breast height (DBH) of 20 inches or more as measured 4.5 feet from ground level; or
- Any tree on commercial, industrial, and institutional property in excess of eight feet in height and having a single trunk diameter at breast height (DBH) of 20 inches or more as measured 4.5 feet from ground level; or
- Multi-trunk trees having a total diameter at breast height (DBH) of 30 inches or more as measured 4.5 feet from ground level; or
- A stand of trees the nature of which makes each dependent upon the others for survival; or
- Any other tree as may be deemed historically or culturally significant by the planning director because of age, size, condition, location, or aesthetic qualities.

A Tree Removal Permit is required if any of the following actions are to occur to protected trees:

- No person, firm, or corporation shall remove, relocate, reduce in height by more than 25 percent of the original height of the tree (by "topping"), or destroy any heritage tree within the city limits, including an applicant for a building permit, without first obtaining a tree removal permit from the planning director.
- Prior to issuing any tree removal permit, the planning director may require an applicant to submit a report detailing the condition of the tree(s) subject to the permit and justification for their removal, relocation or pruning. The report shall be prepared by a qualified arborist and paid for at the applicant's expense.
- No tree removal permit shall be issued for the removal of any heritage tree on any lot associated with a proposal for development, unless all discretionary approvals have been obtained from the city, or unless an emergency waiver is granted pursuant to section 17.16.080(H) (Emergency Waiver).
- No tree designated as a historic landmark shall be altered, removed, relocated, or destroyed by any person, firm, or corporation without first obtaining both a certificate of compliance and a tree removal permit. Alteration, removal, relocation, or destruction of trees designated as historic landmarks may require a certificate of compliance even if exempt from the requirement for a tree removal permit under this section.
- If it is demonstrated by the applicant that a tree proposed for removal is dead by providing visual evidence and/or an arborist report prepared by a qualified arborist, then a permit is required but no fee will be assessed.

Several larger mature trees are located surrounding the historic building in the western portion of the project area. It is possible that at least one, or all, of these trees would be considered a heritage tree according to the City's definition above. Additionally, heritage trees may be located within the 100' study area buffer.

Wildlife Movement

Wildlife corridors, or habitat linkages, are generally defined as connections between habitat patches that allow for physical and genetic exchange between otherwise isolated animal populations. Such linkages may serve a local purpose, such as between foraging and denning areas, or they may be regional in nature, allowing movement across the landscape. Some habitat linkages may serve as migration corridors, wherein animals periodically move away from an area and then subsequently return. Others may be important as dispersal corridors for young animals. A group of habitat linkages in an area can form a wildlife corridor network.

The habitats in the linkage do not necessarily need to be the same as the habitats that are being linked. Rather, the linkage merely needs to contain sufficient cover and forage to allow temporary inhabitation by ground-dwelling species. Typically, habitat linkages are contiguous strips of natural areas, though dense plantings of landscape vegetation can be used by certain disturbance-tolerant species. Depending upon the species using a corridor, specific physical resources (e.g., rock outcroppings, vernal pools, or oak trees) may need to be in the habitat link at certain intervals to allow slower-moving species to traverse the link. For highly mobile or aerial species, habitat linkages may be discontinuous patches of suitable resources spaced sufficiently close together to permit travel along a route in a short period of time.

The project area is completely fenced off and is surrounded by urban/developed land in all directions. The portion of Cucamonga Creek within the study area is completely channelized, does not support a riparian corridor, and likely experiences high velocity flows during rain events due to its channelized nature and, therefore, is not likely to support wildlife movement. The emergent ornamental trees scattered throughout the urban/developed land and surrounding the historic building in the study area could be used by birds migrating through the area or during local movement or regional migration. The study area is not located within any known regional wildlife movement corridors.

Potentially Jurisdictional Waters

Since Cucamonga Creek is a relatively permanent water (i.e., intermittent stream) and eventually converges with the Santa Ana River, which is a Traditional Navigable Water (TNW), the OHWM channel of the stream will likely be considered a non-wetland water of the U.S. under the regulation of the USACE pursuant to Section 404 of the CWA. The OHWM channel of the stream would also likely qualify as a non-wetland water of the State, under the jurisdiction of the Santa Ana RWQCB pursuant to the Porter-Cologne Water Quality Control Act and/or Section 401 of the CWA. In addition, Cucamonga Creek would likely qualify as CDFW-jurisdictional streambed and the extent of the top of bank likely falls under CDFW jurisdiction pursuant to Section 1600 et seq. of the CFGC. The locations of the potentially jurisdictional areas are depicted in Figure 4 and photographs of the potentially jurisdictional feature are included in Attachment 1. If necessary, a formal jurisdictional delineation should be conducted within the study area to determine the limits of the potentially jurisdictional feature. The results of the jurisdictional delineation should be compiled into a jurisdictional delineation report, which would be submitted to the appropriate regulatory agencies for them to make their final jurisdictional determinations.

Impact Analysis

Special-Status Species

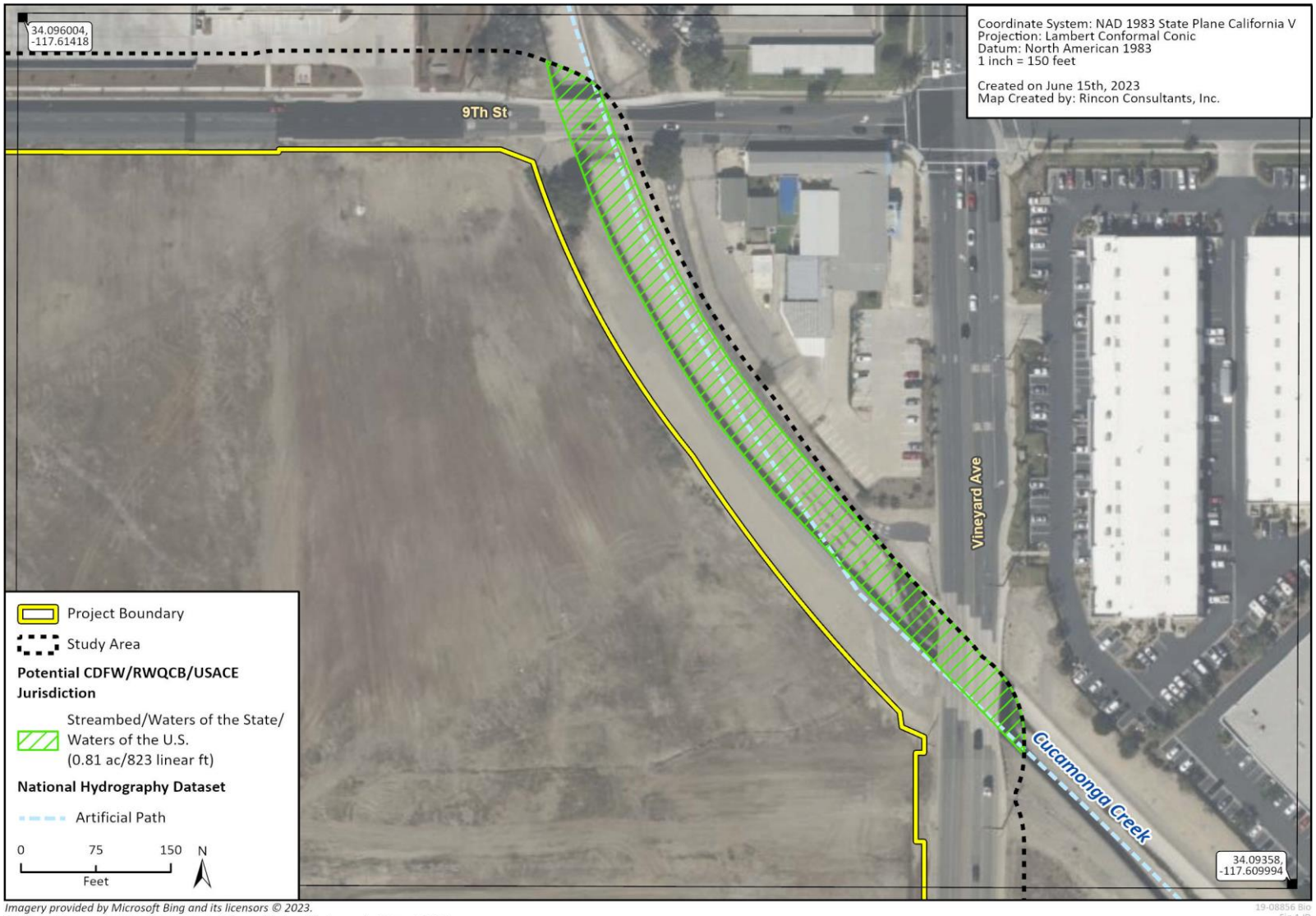
Cooper's hawk is a highly mobile species and foraging individuals are not anticipated to be impacted due to the project. However, project-related impacts to Cooper's hawk could occur if they are nesting within the study area during project initiation and abandon their nest due to construction, or some other project-related disturbance. Potential impacts to Cooper's hawk would be avoided or reduced through the implementation of avoidance and minimization measures (AMMs) 1 in the Avoidance and Minimization Measures section below.

Other Protected Species

Nesting Birds

The study area contains suitable habitat for nesting birds. If construction activities are scheduled to occur during the avian nesting season (typically February 1 to September 1), and an active nest is present within the vicinity of the project area, impacts to nesting birds could occur through disturbance of breeding behavior or nest abandonment. Potential impacts to nesting birds would be avoided or reduced through the implementation of AMM 1 in the Avoidance and Minimization Measures section below.

Figure 4 Jurisdictional Resources



Protected Trees

Several larger mature trees are located surrounding the historic building in the western portion of the project area. In addition, multiple large mature trees are located within the study area buffer. Although it is possible that at least one, or all, of these trees would be considered a heritage tree according to the City's definition, no trees will be removed under the proposed project. Therefore, no impact to protected trees would occur.

Wildlife Movement

The study area likely does not support local or regional terrestrial wildlife movement. The various emergent ornamental trees scattered throughout the study area may support small-scale local avian movement or regional avian migration. However, large scale tree removals are not anticipated as a part of the project, and landscape/ornamental vegetation is anticipated to be planted surrounding the industrial buildings, parking spaces, and driveways as a part of the project. Additionally, the project area is currently fenced, and development of the project would not introduce new barriers to movement of resident or migratory wildlife species. Given the urbanized setting within the City, the project would also not likely result in the introduction of any new anthropogenic factors (light, fencing, noise, human presence and/or domestic animals), which could hinder the normal activities of wildlife. Therefore, project impacts on wildlife movement are not anticipated to occur.

Potentially Jurisdictional Waters

The potential limits of Cucamonga Creeks jurisdiction are located approximately 45 feet from the project area boundary and are therefore not anticipated to be impacted by the project. No other potentially jurisdictional aquatic features are located within the study area; therefore, potentially jurisdictional waters are not anticipated to be impacted by the project.

Avoidance and Minimization Measures

AMM 1 Nesting Birds

To avoid disturbance of nesting birds, including special-status species and birds protected by the MBTA and CFGC Section 3503, project activities shall occur outside of the breeding season for migratory birds (generally February 1 through September 1), if feasible.

If construction occurs during the breeding season, then a pre-construction nesting bird survey shall be conducted no more than seven (7) days prior to the initiation of project activities. The nesting bird pre-construction survey shall be conducted on foot inside the study area and include a 300-foot buffer for raptors and a 100-foot buffer for all other species. The survey shall be conducted by a qualified biologist who is familiar with the identification of avian species known to occur in Southern California. If nests are found, an avoidance buffer (dependent upon the species, the proposed work activity, and existing disturbances associated with land use outside of the workspace) shall be determined and demarcated by the biologist with construction fencing, flagging, or other means to mark the boundary. The buffer will be maintained until the birds have fledged the nest and are foraging on their own. Intrusion into the buffer may only be conducted at the discretion of the biologist.

AMM 2 General Best Management Practices

General requirements that shall be followed by construction personnel are listed below and shall be included on the construction plans.

- The contractor shall clearly delineate the remediation limits, staging areas, and access points and prohibit any construction-related traffic outside of these boundaries.
- All food-related trash items, such as wrappers, cans, bottles, and food scraps generated during proposed project construction, shall be disposed of in closed containers only and removed from the workspace.
- Best management practices (BMPs) shall be implemented throughout project construction and shall include, but not be limited to, erosion and sediment controls to minimize erosion during construction. BMPs shall be implemented for the duration of the project until disturbed areas have been stabilized by long-term erosion control measures.
- Materials shall be stored at least 100 feet from waterways, as feasible, or equipment will utilize secondary containment.
- Construction materials and spoils shall be protected from stormwater runoff using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate.
- Vegetation trimming shall be limited to the maximum extent feasible.
- Any substances that could be hazardous to wildlife resulting from project-related activities shall be prevented from contaminating the soil and/or entering waterways.

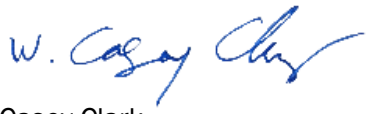
Limitations

This BRA has been conducted in accordance with professionally accepted biological investigation practices conducted at this time and in this geographic area. The biological investigation is limited by the scope of work performed. Reconnaissance biological surveys for certain taxa may have been conducted as part of this assessment but were not performed during a particular blooming period, nesting period, or particular portion of the season when positive identification would be expected if present, and therefore, cannot be considered definitive. The biological surveys are limited also by the environmental conditions present at the time of the surveys. In addition, general biological (or protocol) surveys do not guarantee that the organisms are not present and will not be discovered in the future within the site. In particular, mobile wildlife species could occupy the site on a transient basis or re-establish populations in the future. Our field studies were based on current industry practices, which change over time and may not be applicable in the future. No other guarantees or warranties, expressed or implied, are provided. The findings and opinions conveyed in this report are based on findings derived from site reconnaissance, jurisdictional areas, review of CNDDB RareFind5, and specified historical and literature sources (CDFW 2022a). Standard data sources relied upon during the completion of this report, such as the CNDDB, may vary with regard to accuracy and completeness. In particular, the CNDDB is compiled from research and observations reported to CDFW that may or may not have been the result of comprehensive or site-specific field surveys. Although Rincon believes the data sources are reasonably reliable, Rincon cannot and does not guarantee the authenticity or reliability of the data sources it has used. Additionally, pursuant to our contract, the data sources reviewed included only those that are practically reviewable without the need for extraordinary research and analysis.

Conclusion

Thank you for the opportunity to support your environmental analysis needs for this important project. Please contact us if you have any questions.

Sincerely,
Rincon Consultants, Inc.



Casey Clark
Biologist



Marty Meisler
Senior Biologist/Project Manager

Attachments

Attachment 1 Site Photographs
Attachment 2 Species Compendium
Attachment 3 Special-Status Species Evaluation Table

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Attachment 1

Site Photographs

Site Photographs



Photograph 1: West-facing view of the eastern section of the project area, within disturbed habitat.



Photograph 2: Closeup photograph of the recently disced soil within the disturbed habitat in the project area.



Photograph 3: West-facing view of the urban/developed land cover type within the industrial development in the northern portion of the study area



Photograph 4: Southeast-facing view of the wild oats annual brome grassland in the northwestern section of the project area.



Photograph 5: Southwest-facing view of the historic building surrounded by disturbed habitat and potential protected trees within the western boundary of the project area.



Photograph 6: South-facing view of Cucamonga Creek along the northeastern boundary of the study area.



Photograph 7: North-facing view of Cucamonga Creek along the northeastern boundary of the study area.



Photograph 8: South-facing view of the sediment piles and eroding asphalt within the urban/developed land cover type (see Figure 3) in the southern portion of the study area.

Attachment 2

Species Compendium

Plant and Wildlife Species Detected in the Study Area on June 8, 2023

Scientific Name[1]	Common Name	Status[2]	Native or Introduced
Plants			
Acmispon americanus	American bird's foot trefoil	–	Native
Acmispon glaber	Deerweed	–	Native
Ailanthus altissima	Tree-of-heaven	Cal-IPC Moderate	Introduced
Ambrosia psilostachya	Western ragweed	–	Native
Amsinckia intermedia	Rancher's fiddleneck	–	Native
Avena barbata	Slender wild oat	Cal-IPC Moderate	Introduced
Brassica tournefortii	Sahara mustard	Cal-IPC High	Introduced
Bromus diandrus	Ripgut grass	Cal-IPC Moderate	Introduced
Bromus madritensis ssp. *rubens*	Red brome	Cal-IPC High	Introduced
Bromus tectorum	Cheat grass	Cal-IPC High	Introduced
Camissoniopsis bistorta	California sun cup	–	Native
Camissoniopsis hirtella	Hairy sun cup	–	Native
Carduus pycnocephalus	Italian thistle	Cal-IPC Moderate	Introduced
Centaurea melitensis	Tocalote	Cal-IPC Moderate	Introduced
Chenopodium album	Lamb's quarters	–	Introduced
Croton californicus	California croton	–	Native
Croton setiger	Doveweed	–	Native
Cupaniopsis anacardioides	Carrotwood	–	Introduced
Cupressus sempervirens	Italian cypress	–	Introduced
Datura wrightii	Western jimson weed	–	Native
Erigeron canadensis	Horseweed	–	Native
Eriogonum fasciculatum var. *foliolosum*	Inland California buckwheat	–	Native
Eriogonum gracile var. *gracile*	Slender buckwheat	–	Native
Erodium cicutarium	Red-stem filaree	Cal-IPC Limited	Introduced
Eucalyptus camaldulensis	River red gum	Cal-IPC Limited	Introduced
Eucalyptus globulus	Blue gum	Cal-IPC Limited	Introduced
Festuca myuros	Rattail fescue	Cal-IPC Moderate	Introduced
Geijera parviflora	Australian willow	–	Introduced
Heterotheca grandiflora	Telegraph weed	–	Native
Hirschfeldia incana	Short-pod mustard	Cal-IPC Moderate	Introduced
Hordeum marribium	White horehound	Cal-IPC Limited	Introduced
Jacaranda mimosifolia	Jacaranda	–	Introduced
Lactuca serriola	Prickly lettuce	–	Introduced
Lamarckia aurera	Goldentop grass	–	Introduced
Marrubium vulgare	Horehound	Cal-IPC Limited	Introduced
Melaleuca quinquenervia	Paperbark tree	–	Introduced
Melia azedarach	China berry	–	Introduced
Melilotus indicus	Indian sweetclover	–	Introduced

Scientific Name[1]	Common Name	Status[2]	Native or Introduced
Metrosideros excelsa	New Zealand Christmas tree	–	Introduced
Nerium oleander	Oleander	–	Introduced
Nicotiana glauca	Tree tobacco	Cal-IPC Moderate	Introduced
Oncosiphon pilulifer	Stinknet	Cal-IPC High	Introduced
Phoenix canariensis	Canary Island date palm	Cal-IPC Limited	Introduced
Pinus eldarica	Afghan pine	–	Introduced
Pinus halepensis	Aleppo pine	–	Introduced
Podocarpus macrophyllus	Podocarpus	–	Introduced
Populus fremontii ssp. *fremontii*	Fremont cottonwood	–	Native
Prunus cerasifera	Plum tree	Cal-IPC Limited	Introduced
Rhaphiolepis indica	Indian hawthorn	–	Introduced
Rumex crispus	Curly dock	Cal-IPC Limited	Introduced
Schinus molle	Peruvian pepper tree	Cal-IPC Limited	Introduced
Schismus barbatus	Mediterranean schismus	Cal-IPC Limited	Introduced
Sequoiadendron sempervirens	Coast redwood	–	Introduced (planted)
Sisymbrium irio	London rocket	Cal-IPC Moderate	Introduced
Solanum nigrum	Black nightshade	–	Introduced
Tipuana tipu	Tipu	–	Introduced
Ulmus parvifolia	Chinese elm	–	Introduced
Urtica dioica	Stinging nettle	–	Native
Verbesina encelioides	Golden crownbeard	–	Introduced
Animals			
Birds			
Buteo jamaicensis	Red-tailed hawk	–	Native
Calypte anna	Anna's hummingbird	–	Native
Corvus brachyrhynchos	American crow	–	Native
Haemorhous mexicanus	House finch	–	Native
Mimus polyglottus	Northern mockingbird	–	Native
Psaltriparus minimus	Bushtit	–	Native
Sayornis nigricans	Black phoebe	–	Native
Spinus psaltria	Lesser goldfinch	–	Native
Streptopelia decaocto	Eurasian collared-dove	–	Introduced
Tyrannus verticalis	Western kingbird	–	Native
Zenaida macroura	Mourning dove	–	Native
Reptiles			
Sceloporus occidentalis	Western fence lizard	–	Native
Mammals			
Otospermophillus beecheyi	California ground squirrel	–	Native
Sylvillagus audubonii	desert cottontail	–	Native

[1] Jepson Flora Project 2022.
[2] Cal-IPC 2022.

Attachment 3

Special-Status Species Evaluation Table

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Plants and Lichens				
Abronia villosa var. *aurita* chaparral sand-verbena	None/None G5T2?/S2 1B.1	Annual herb. Chaparral, coastal scrub, desert dunes. Sandy. Elevations: 245-5250ft. (75-1600m.) Blooms (Jan)Mar-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Ambrosia monogyra singlewhorl burrobrush	None/None G5/S2 2B.2	Perennial shrub. Chaparral, Sonoran Desert scrub. Sandy. Elevations: 35-1640ft. (10-500m.) Blooms Aug-Nov.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Ambrosia pumila San Diego ambrosia	FE/None G1/S1 1B.1	Perennial rhizomatous herb. Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Alkaline (sometimes), clay (sometimes), disturbed areas (often), sandy (sometimes). Elevations: 65-1360ft. (20-415m.) Blooms Apr-Oct.	None	No suitable habitat present within the study area. Soils heavily disturbed. Not observed during the field survey when it would have been readily identifiable.
Aphyllon validum ssp. *validum* Rock Creek broomrape	None/None G4T2/S2 1B.2	Chaparral, pinyon and juniper woodland. On slopes of loose decomposed granite; parasitic on various chaparral shrubs. 1030-2000m. Blooms May-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Arctostaphylos glandulosa ssp. *gabrielensis* San Gabriel manzanita	None/None G5T3/S3 1B.2	Perennial evergreen shrub. Chaparral. Rocky outcrops; can be dominant shrub where it occurs. Elevations: 1950-4920ft. (595-1500m.) Blooms Mar.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Arenaria paludicola marsh sandwort	FE/SE G1/S1 1B.1	Perennial stoloniferous herb. Marshes and swamps. Openings, sandy. Elevations: 10-560ft. (3-170m.) Blooms May-Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Astragalus brauntonii Braunton's milk-vetch	FE/None G2/S2 1B.1	Perennial herb. Chaparral, coastal scrub, valley and foothill grassland. Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist: requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. Elevations: 15-2100ft. (4-640m.) Blooms Jan-Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Atriplex coulteri Coulter's saltbush	None/None G3/S1S2 1B.2	Perennial herb. Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Alkaline (sometimes), clay (sometimes). Elevations: 10-1510ft. (3-460m.) Blooms Mar-Oct.	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Berberis nevinii Nevin's barberry	FE/SE G1/S1 1B.1	Perennial evergreen shrub. Chaparral, cismontane woodland, coastal scrub, riparian scrub. Gravelly (sometimes), sandy (sometimes). Elevations: 230-2705ft. (70-825m.) Blooms (Feb)Mar-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Calochortus clavatus var. *gracilis* slender mariposa-lily	None/None G4T2T3/S2S3 1B.2	Perennial bulbiferous herb. Chaparral, coastal scrub, valley and foothill grassland. Shaded foothill canyons; often on grassy slopes within other habitat. Elevations: 1050-3280ft. (320-1000m.) Blooms Mar-Jun (Nov).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Calochortus weedii var. *intermedius* intermediate mariposa-lily	None/None G3G4T3/S3 1B.2	Perennial bulbiferous herb. Chaparral, coastal scrub, valley and foothill grassland. Rocky. Elevations: 345-2805ft. (105-855m.) Blooms May-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Calystegia felix lucky morning-glory	None/None G1Q/S1 1B.1	Annual rhizomatous herb. Meadows and seeps, riparian scrub. Sometimes alkaline, alluvial. Elevations: 100-705ft. (30-215m.) Blooms Mar-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Calystegia sepium ssp. *binghamiae* Santa Barbara morning-glory	None/None G5TXQ/SX 1A	Perennial rhizomatous herb. Marshes and swamps. Elevations: 15-15ft. (5-5m.) Blooms Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Centromadia pungens ssp. *laevis* smooth tarplant	None/None G3G4T2/S2 1B.1	Annual herb. Chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland. Alkaline. Elevations: 0-2100ft. (0-640m.) Blooms Apr-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Chloropyron maritimum ssp. *maritimum* salt marsh bird's-beak	FE/SE G4?T1/S1 1B.2	Annual herb (hemiparasitic). Coastal dunes, marshes and swamps. Limited to the higher zones of salt marsh habitat. Elevations: 0-100ft. (0-30m.) Blooms May-Oct (Nov).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Chorizanthe parryi var. *parryi* Parry's spineflower	None/None G3T2/S2 1B.1	Annual herb. Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Openings, Rocky (sometimes), sandy (sometimes). Elevations: 900-4005ft. (275-1220m.) Blooms Apr-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Chorizanthe xanti var. *leucotheca* white-bracted spineflower	None/None G4T3/S3 1B.2	Annual herb. Coastal scrub, mojavean desert scrub, pinyon and juniper woodland. Gravelly (sometimes), sandy (sometimes). Elevations: 985-3935ft. (300-1200m.) Blooms Apr-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Cladium californicum California saw-grass	None/None G4/S2 2B.2	Perennial rhizomatous herb. Marshes and swamps, meadows and seeps. Freshwater or alkaline moist habitats. Elevations: 195-5250ft. (60-1600m.) Blooms Jun-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Claytonia peirsonii ssp. *peirsonii* Peirson's spring beauty	None/None G2G3T2/S2 1B.2	Perennial herb. Subalpine coniferous forest, upper montane coniferous forest. Granitic, metamorphic, scree, talus. Elevations: 4955-9005ft. (1510-2745m.) Blooms (Mar)May-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Cryptantha incana Tulare cryptantha	None/None G2/S2 1B.3	Annual herb. Lower montane coniferous forest. Gravelly or rocky sites. Elevations: 4690-7055ft. (1430-2150m.) Blooms Jun-Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Dodecahema leptoceras slender-horned spineflower	FE/SE G1/S1 1B.1	Annual herb. Chaparral, cismontane woodland, coastal scrub. Flood deposited terraces and washes; associates include *Encelia, Dalea*, *Lepidospartum*, etc. Sandy soils. Elevations: 655-2495ft. (200-760m.) Blooms Apr-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Dudleya multicaulis many-stemmed dudleya	None/None G2/S2 1B.2	Perennial herb. Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. Elevations: 50-2590ft. (15-790m.) Blooms Apr-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Eriastrum densifolium ssp. *sanctorum* Santa Ana River woollystar	FE/SE G4T1/S1 1B.1	Perennial herb. Chaparral, coastal scrub. In sandy soils on river floodplains or terraced fluvial deposits. Elevations: 300-2000ft. (91-610m.) Blooms Apr-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Eriogonum microthecum var. *johnstonii* Johnston's buckwheat	None/None G5T2/S2 1B.3	Perennial deciduous shrub. Subalpine coniferous forest, upper montane coniferous forest. Slopes and ridges on granite or limestone. Elevations: 6000-9600ft. (1829-2926m.) Blooms Jul-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Horkelia cuneata var. *puberula* mesa horkelia	None/None G4T1/S1 1B.1	Perennial herb. Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. Elevations: 230-2660ft. (70-810m.) Blooms Feb-Jul(Sep).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Lasthenia glabrata ssp. *coulteri* Coulter's goldfields	None/None G4T2/S2 1B.1	Annual herb. Marshes and swamps, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 1-. Elevations: 5-4005ft. (1-1220m.) Blooms Feb-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Lilium parryi lemon lily	None/None G3/S3 1B.2	Perennial bulbiferous herb. Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest. Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows and seeps. Elevations: 4005-9005ft. (1220-2745m.) Blooms Jul-Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Linanthus concinnus San Gabriel linanthus	None/None G2/S2 1B.2	Annual herb. Chaparral, lower montane coniferous forest, upper montane coniferous forest. Dry rocky slopes, often in Jeffrey pine/canyon oak forest. Elevations: 4985-9185ft. (1520-2800m.) Blooms Apr-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Lycium parishii Parish's desert-thorn	None/None G4/S1 2B.3	Perennial shrub. Coastal scrub, Sonoran Desert scrub. Elevations: 445-3280ft. (135-1000m.) Blooms Mar-Apr.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Malacothamnus parishii Parish's bush-mallow	None/None GXQ/SX 1A	Perennial deciduous shrub. Chaparral, coastal scrub. In a wash. Elevations: 1000-1495ft. (305-455m.) Blooms Jun-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Monardella australis ssp. *jokerstii* Jokerst's monardella	None/None G4T1?/S1? 1B.1	Perennial rhizomatous herb. Chaparral, lower montane coniferous forest. Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. Elevations: 4430-5740ft. (1350-1750m.) Blooms Jul-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Monardella breweri ssp. *glandulifera* Brown's Flat monardella	None/None G5T1/S1 1B.2	Lower montane coniferous forest (sparse), chaparral. Dry, grassy openings, ridgetops. 1300-1500m. Blooms May-Aug.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Monardella macrantha ssp. *hallii* Hall's monardella	None/None G5T3/S3 1B.3	Perennial rhizomatous herb. Broad-leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland. Dry slopes and ridges in openings. Elevations: 2395-7200ft. (730-2195m.) Blooms Jun-Oct.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Monardella pringlei Pringle's monardella	None/None GX/SX 1A	Annual herb. Coastal scrub. Sandy hills. Elevations: 985-1310ft. (300-400m.) Blooms May-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Muhlenbergia utilis aparejo grass	None/None G4/S2S3 2B.2	Perennial rhizomatous herb. Chaparral, cismontane woodland, coastal scrub, marshes and swamps, meadows, and seeps. Alkaline (sometimes), Serpentinite (sometimes). Elevations: 80-7630ft. (25-2325m.) Blooms Mar-Oct.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Navarretia prostrata prostrate vernal pool navarretia	None/None G2/S2 1B.2	Annual herb. Coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. Elevations: 10-3970ft. (3-1210m.) Blooms Apr-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Opuntia basilaris var. *brachyclada* short-joint beavertail	None/None G5T3/S3 1B.2	Perennial stem. Chaparral, Joshua Tree woodland, mojavean desert scrub, pinyon and juniper woodland. Sandy soil or coarse, granitic loam. Elevations: 1395-5905ft. (425-1800m.) Blooms Apr-Jun (Aug).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Oreonana vestita woolly mountain-parsley	None/None G3/S3 1B.3	Perennial herb. Lower montane coniferous forest, subalpine coniferous forest, upper montane coniferous forest. High ridges; on scree, talus, or gravel. Elevations: 5300-11485ft. (1615-3500m.) Blooms Mar-Sep.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Phacelia stellaris Brand's star phacelia	None/None G1/S1 1B.1	Annual herb. Coastal dunes, coastal scrub. Open areas. Elevations: 5-1310ft. (1-400m.) Blooms Mar-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Pseudognaphalium leucocephalum white rabbit-tobacco	None/None G4/S2 2B.2	Perennial herb. Chaparral, cismontane woodland, coastal scrub, riparian woodland. Sandy, gravelly sites. Elevations: 0-6890ft. (0-2100m.) Blooms (Jul)Aug-Nov (Dec).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Sagittaria sanfordii Sanford's arrowhead	None/None G3/S3 1B.2	Perennial rhizomatous herb (emergent). Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. Elevations: 0-2135ft. (0-650m.) Blooms May-Oct (Nov).	None	No suitable habitat present within the study area. Soils heavily disturbed.
Senecio aphanactis chaparral ragwort	None/None G3/S2 2B.2	Annual herb. Chaparral, cismontane woodland, coastal scrub. Drying alkaline flats. Elevations: 50-2625ft. (15-800m.) Blooms Jan-Apr (May).	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Sidalcea neomexicana salt spring checkerbloom	None/None G4/S2 2B.2	Perennial herb. Chaparral, coastal scrub, lower montane coniferous forest, mojavean desert scrub, playas. Alkali springs and marshes. Elevations: 50-5020ft. (15-1530m.) Blooms Mar-Jun.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Sphenopholis obtusata prairie wedge grass	None/None G5/S2 2B.2	Perennial herb. Cismontane woodland, meadows, and seeps. Open moist sites, along rivers and springs, alkaline desert seeps. Elevations: 985-6560ft. (300-2000m.) Blooms Apr-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Symphyotrichum defoliatum San Bernardino aster	None/None G2/S2 1B.2	Perennial rhizomatous herb. Cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, meadows and seeps, valley, and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. Elevations: 5-6695ft. (2-2040m.) Blooms Jul-Nov.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Symphyotrichum greatae Greata's aster	None/None G2/S2 1B.3	Perennial rhizomatous herb. Broad-leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, riparian woodland. Mesic canyons. Elevations: 985-6595ft. (300-2010m.) Blooms Jun-Oct.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Thysanocarpus rigidus rigid fringepod	None/None G2/S2 1B.2	Annual herb. Pinyon and juniper woodland. Dry, rocky slopes and ridges of oak and pine woodland in arid mountain ranges. Elevations: 1970-7220ft. (600-2200m.) Blooms Feb-May.	None	No suitable habitat present within the study area. Soils heavily disturbed.
Viola pinetorum ssp. *grisea* grey-leaved violet	None/None G4G5T3/S3 1B.2	Perennial herb. Meadows and seeps, subalpine coniferous forest, upper montane coniferous forest. Dry mountain peaks and slopes. Elevations: 4920-11155ft. (1500-3400m.) Blooms Apr-Jul.	None	No suitable habitat present within the study area. Soils heavily disturbed.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Invertebrates				
Bombus crotchii Crotch bumble bee	None/SCE G2/S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include *Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia*, and *Eriogonum*.	None	Observations have been documented approximately 3.5 miles southeast of the Project Area in higher quality grassland habitat. However, the Project Area is surrounded by developed habitat, the habitat within the study area is very disturbed, and this species' food plants are generally absent. Additionally, this species or sign of this species was not observed during the field survey. Lastly, this species is a subterranean nester and the soil within the study area appears to be disced and is heavily disturbed.
Euphydryas editha quino quino checkerspot butterfly	FE/None G5T1T2/S1S2	Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties. Hills and mesas near the coast. Need high densities of food plants *Plantago erecta*, *P. insularis*, and *Orthocarpus purpurescens*.	None	Food plants not present in the study area.
Rhaphiomidas terminatus abdominalis Delhi Sands flower-loving fly	FE/None G1T1/S1	Found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties. Requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation. Oviposition req. shade.	None	Delhi Sands formation and the required soil type is not present in the study area.
Fish				
Catostomus santaanae Santa Ana sucker	FT/None G1/S1	Endemic to Los Angeles Basin south coastal streams. Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.	None	The study area is outside of this species' known geographic range and suitable habitat is absent.
Gila orcuttii arroyo chub	None/None G2/S2 SSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave, and San Diego River basins. Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	None	No suitable habitat is present within Cucamonga Creek, within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Oncorhynchus mykiss irideus pop. 10 steelhead - southern California DPS	FE/SCE G5T1Q/S1	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	None	No suitable habitat is present within Cucamonga Creek, within the study area.
Rhinichthys osculus ssp. *8* Santa Ana speckled dace	None/None G5T1/S1 SSC	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system. Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	None	No suitable habitat is present within Cucamonga Creek, within the study area.
Amphibians				
Anaxyrus californicus arroyo toad	FE/None G2G3/S2 SSC	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc. Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	None	No suitable habitat is present within the study area.
Rana boylii pop. 6 foothill yellow-legged frog - south coast DPS	Proposed Endangered !/SE G3T1/S1	Southern Coast Ranges from Monterey Bay south through San Gabriel Mountains; west of the Salinas River in Monterey Co, south through Transverse Ranges, and east through San Gabriel Mountains. Historically may have ranged to Baja California. Partly shaded shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying and at least 15 weeks to attain metamorphosis.	None	No suitable habitat is present within the study area.
Rana muscosa southern mountain yellow-legged frog	FE/SE G1/S1 WL	Disjunct populations known from southern Sierras (northern DPS) and San Gabriel, San Bernardino, and San Jacinto Mtns (southern DPS). Found at 1,000 to 12,000 ft in lakes and creeks that stem from springs and snowmelt. May overwinter under frozen lakes. Often encountered within a few feet of water. Tadpoles may require 2 - 4 years to complete their aquatic development.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Spea hammondii western spadefoot	None/None G2G3/S3S4 SSC	Occurs primarily in grassland habitats but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	None	Marginal quality grassland habitat is present within the study area; however, the study area is surrounded by urbanized habitat and breeding habitat is absent from the study area.
Taricha torosa Coast Range newt	None/None G4/S4 SSC	Coastal drainages from Mendocino County to San Diego County. Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs, and slow-moving streams.	None	No suitable habitat is present within the study area.
Reptiles				
Anniella stebbinsi Southern California legless lizard	None/None G3/S3 SSC	Generally, south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally, in moist, loose soil. They prefer soils with a high moisture content.	None	No suitable habitat is present within the study area.
Arizona elegans occidentalis California glossy snake	None/None G5T2/S2 SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	None	No suitable habitat is present within the study area. Project Area is surrounded by urban/developed habitat.
Aspidoscelis hyperythra orange-throated whiptail	None/None G5/S2S3 WL	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats. Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites.	None	No suitable habitat is present within the study area.
Aspidoscelis tigris stejnegeri coastal whiptail	None/None G5T5/S3 SSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas. Ground may be firm soil, sandy, or rocky.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Charina umbratica southern rubber boa	None/ST G2G3/S2S3	Found in a variety of montane forest habitats. Previously considered morphologically intermediate, recent (2022) genomic analysis clarifies individuals from Mt Pinos, Tehachapi Mts, and southern Sierra Nevada are southern rubber boa. Found in vicinity of streams or wet meadows; requires loose, moist soil for burrowing; seeks cover in rotting logs, rock outcrops, and under surface litter.	None	No suitable habitat is present within the study area.
Coleonyx variegatus abbotti San Diego banded gecko	None/None G5T5/S1S2 SSC	Coastal and cismontane Southern California. Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	None	No suitable habitat is present within the study area.
Crotalus ruber red-diamond rattlesnake	None/None G4/S3 SSC	Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	None	No suitable habitat is present within the study area.
Emys marmorata western pond turtle	None/None G3G4/S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	None	No suitable habitat is present within the study area.
Phrynosoma blainvillii coast horned lizard	None/None G4/S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	None	No suitable habitat is present within the study area.
Thamnophis hammondii two-striped gartersnake	None/None G4/S3S4 SSC	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Birds				
Accipiter cooperii Cooper's hawk	None/None G5/S4 WL	Woodland, chiefly of open, interrupted or marginal type. Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river floodplains; also, live oaks.	High (nesting/ foraging)	This species' preferred habitat type is absent from the study area. However, this species is commonly found in wooded urban areas. Ample ornamental trees are present within the study area and an ample amount of prey species were observed within the study area. Suitable nesting habitat is present within the ornamental trees found within the study area.
Agelaius tricolor tricolored blackbird	None/ST G1G2/S2 SSC	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	None	No suitable habitat is present within the study area.
Aimophila ruficeps canescens southern California rufous-crowned sparrow	None/None G5T3/S3 WL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	None	No suitable habitat is present within the study area.
Ammodramus savannarum grasshopper sparrow	None/None G5/S3 SSC	Dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. Favors native grasslands with a mix of grasses, forbs, and scattered shrubs. Loosely colonial when nesting.	None	No suitable habitat is present within the study area.
Aquila chrysaetos golden eagle	None/None G5/S3 FP WL	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	None	No suitable habitat is present within the study area.
Artemisiospiza belli belli Bell's sparrow	None/None G5T2T3/S3 WL	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range. Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Asio otus long-eared owl	None/None G5/S3? SSC	Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses. Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.	None	No suitable habitat is present within the study area.
Athene cunicularia burrowing owl	None/None G4/S3 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Low	Marginal quality grassland habitat is present within the study area along with ground squirrel activity; however, no potential burrows, individuals, or sign was observed during the field survey. Protocol surveys were conducted by Rocks Biological in 2019 and were negative (Rocks 2021). Additionally, the quality of habitat within the Project Area has been drastically reduced with regular site disturbance to manage weeds and reduce fire hazards.
Buteo swainsoni Swainson's hawk	None/ST G5/S4	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	None	No suitable habitat is present within the study area.
Campylorhynchus brunneicapillus sandiegensis coastal cactus wren	None/None G5T3Q/S2 SSC	Southern California coastal sage scrub. Wrens require tall opuntia cactus for nesting and roosting.	None	No suitable habitat is present within the study area.
Coccyzus americanus occidentalis western yellow-billed cuckoo	FT/SE G5T2T3/S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	None	No suitable habitat is present within the study area.
Coturnicops noveboracensis yellow rail	None/None G4/S1S2 SSC	Summer resident in eastern Sierra Nevada in Mono County. Freshwater marshlands.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Cypseloides niger black swift	None/None G4/S2 SSC	Coastal belt of Santa Cruz and Monterey counties; central and southern Sierra Nevada; San Bernardino and San Jacinto mountains. Breeds in small colonies on cliffs behind or adjacent to waterfalls in deep canyons and sea-bluffs above the surf; forages widely.	None	No suitable habitat is present within the study area.
Elanus leucurus white-tailed kite	None/None G5/S3S4 FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	None	No suitable habitat is present within the study area.
Empidonax traillii extimus southwestern willow flycatcher	FE/SE G5T2/S3	Riparian woodlands in Southern California. .	None	No suitable habitat is present within the study area.
Icteria virens yellow-breasted chat	None/None G5/S3 SSC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	None	No suitable habitat is present within the study area.
Laterallus jamaicensis coturniculus California black rail	None/ST G3T1/S2 FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	None	No suitable habitat is present within the study area.
Polioptila californica californica coastal California gnatcatcher	FT/None G4G5T3Q/S2 SSC	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	None	No suitable habitat is present within the study area.
Setophaga petechia yellow warbler	None/None G5/S3S4 SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Vireo bellii pusillus least Bell's vireo	FE/SE G5T2/S3	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	None	No suitable habitat is present within the study area.
Mammals				
Antrozous pallidus pallid bat	None/None G4/S3 SSC	Found in a variety of habitats including deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts in crevices of rock outcrops, caves, mine tunnels, buildings, bridges, and hollows of live and dead trees which must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	Low	This species may roost in the historic building; and marginal quality grassland habitat is present within the study area; however, it is heavily and disturbed and is surrounded by urban/developed land cover. Additionally, this species requires a water source and accessible water is generally lacking for most, if not all, of the year.
Chaetodipus fallax fallax northwestern San Diego pocket mouse	None/None G5T3T4/S3S4 SSC	Inhabits coastal sage scrub, sagebrush scrub, grasslands, and chaparral communities. Found in open, sandy areas in southwestern California and northern Baja California. Prefers moderately gravelly and rocky substrates.	None	Marginal quality grassland habitat is present within the study area; however, it is heavily and disturbed and is surrounded by urban/developed land cover.
Chaetodipus fallax pallidus pallid San Diego pocket mouse	None/None G5T3T4/S3S4 SSC	Occurs in desert and arid coastal border areas in eastern San Diego, Riverside, and San Bernardino Counties. Habitats include desert wash, desert scrub, desert succulent scrub, and pinyon-juniper. Prefers sandy soils, usually with rocks or coarse gravel.	None	No suitable habitat is present within the study area.
Dipodomys merriami parvus San Bernardino kangaroo rat	FE/SCE G5T1/S1 SSC	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains. Needs early to intermediate seral stages.	None	No suitable habitat is present within the study area.
Dipodomys stephensi Stephens' kangaroo rat	FT/ST G2/S2	Found primarily in annual & perennial grasslands, but also occurs in coastal scrub & sagebrush with sparse canopy cover. Prefers buckwheat, chamise, brome grass & filaree. Will burrow into firm soil and use the burrows of California ground squirrels and pocket gophers. Occurs only in southern California.	None	Marginal quality grassland habitat is present within the study area; however, it is heavily and disturbed and is surrounded by urban/developed land cover.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Eumops perotis californicus western mastiff bat	None/None G4G5T4/S3S4 SSC	Occurs in open, semi-arid to arid habitats, including coniferous and deciduous woodlands, coastal scrub, grasslands, and chaparral. Roosts in crevices in cliff faces and caves, and buildings. Roosts typically occur high above ground.	Low	A small patch of marginal quality grassland habitat is present within the study area; however, this species is known to require extensive open areas of suitable habitat.
Lasiurus xanthinus western yellow bat	None/None G4G5/S3 SSC	Occurs in arid regions of the southwestern United States. Typically found in riparian woodlands, oak or pinyon-juniper woodland, desert wash, palm oasis habitats, and urban or suburban areas. Roosts in trees, often between palm fronds.	Low	Urban habitat and suitable roosting habitat are present in the trees within the study area; however, this species is typically found in its preferred habitat type of valley foothill riparian, desert riparian, desert wash, and palm oasis habitat. Additionally, this species is known to forage over water and among trees, which is generally lacking from the study area.
Neotoma lepida intermedia San Diego desert woodrat	None/None G5T3T4/S3S4 SSC	Occurs in scrub habitats of southern California from San Luis Obispo County to San Diego County.	None	No suitable habitat is present within the study area.
Nyctinomops femorosaccus pocketed free-tailed bat	None/None G5/S3 SSC	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. Rocky areas with high cliffs.	None	No suitable habitat is present within the study area.
Nyctinomops macrotis big free-tailed bat	None/None G5/S3 SSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	None	No suitable roosting habitat is present within the study area. An adequate supply of this species diet is not likely present in the study area.
Ovis canadensis nelsoni desert bighorn sheep	None/None G4T4/S3 FP	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co. Open, rocky, steep areas with available water and herbaceous forage.	None	No suitable habitat is present within the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/Observations
Perognathus longimembris brevinasus Los Angeles pocket mouse	None/None G5T2/S1S2 SSC	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	None	Marginal quality grassland habitat is present within the study area; however, it is heavily and disturbed and is surrounded by urban/developed land cover.

ft. = feet; meter = m.
Regional Vicinity refers to within a 9-quad search radius of site.

Status (Federal/State)
FE = Federal Endangered
FT = Federal Threatened
FPE = Federal Proposed Endangered
FPT = Federal Proposed Threatened
FD = Federal Delisted
FC = Federal Candidate
SE = State Endangered
ST = State Threatened
SCE = State Candidate Endangered
SCT = State Candidate Threatened
SR = State Rare
SD = State Delisted
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List

CRPR (CNPS California Rare Plant Rank)
1A = Presumed extirpated in California, and rare or extinct elsewhere
1B = Rare, Threatened, or Endangered in California and elsewhere
2A = Presumed extirpated in California, but common elsewhere
2B= Rare, Threatened, or Endangered in California, but more common elsewhere

CRPR Threat Code Extension
.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
.2 = Moderately threatened in California (20-80% of occurrences threatened/moderate degree and immediacy of threat)
.3 = Not very endangered in California (<20% of occurrences threatened/low degree and immediacy of threat)

Other Statuses
G1 or S1 Critically Imperiled Globally or Subnationally (state)
G2 or S2 Imperiled Globally or Subnationally (state)
G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)
G4/5 or S4/5 Apparently secure, common and abundant
GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery
LR Locally Rare (Santa Barbara Botanical Gardens 2018)

Additional notations may be provided as follows
T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)
Q – Questionable taxonomy that may reduce conservation priority
? – Inexact numeric rank

Appendix D-1

Cultural Resource Study Findings Memorandum (ASM Affiliates)

ASM affiliates
Archaeology • History • Ethnography • Architectural History

April 30, 2020

Karina Fidler, AICP, CPESC
Kimley-Horn
401 B Street, Suite 600
San Diego, California 92101

Re: Cultural Resource Study Findings Memo for the 9th & Vineyard Development Project, City of Rancho Cucamonga, San Bernardino County, California

Dear Ms. Fidler,

This letter report documents the results of the cultural resource study conducted for the 9th & Vineyard Development Project (Project) by ASM Affiliates, Inc. (ASM). The study was completed in compliance with California Environmental Quality Act (CEQA) requirements. This document is part of an Initial Study to address the potential environmental impacts of the proposed project pursuant to the required provisions of CEQA, Public Resources Code Section 21000 *et seq*., and State CEQA Guidelines Section 15063.

The study included a records search at the South Central Coastal Information Center (SCCIC), a search of the Sacred Lands File of the California Native American Heritage Commission (NAHC), and a pedestrian survey of the Project site to determine the presence or absence of historical resources.

PROJECT DESCRIPTION AND LOCATION

The proposed project site is located south of 9th Street, directly west of Vineyard Avenue, directly north of the Burlington Northern Santa Fe (BNSF) Railway, and directly east of Baker Avenue in the City of Rancho Cucamonga, San Bernardino County, California. The Project is located near the southern border of the City of Rancho Cucamonga with the City of Ontario. The project site is approximately 47.07 acres (Assessor Parcel Numbers [APN] 0207-271-25, -27, -39, -40, -89, -93, -94, -96, and -97) and is shown on the USGS 7.5-minute Guasti, Calif. topographic quadrangle in an unsectioned area within Township 1 South, Range 7 West (Figure 1). It is located approximately 0.90 miles (mi.) south of Foothill Boulevard and approximately 2.3 mi. east of State Route 83.

The proposed project will involve the construction and operation of three warehouse buildings with ancillary office space and associated parking and landscaping on approximately 47.07 acres, consisting of a total of 1,037,467 square feet (sf). Vehicular access to the proposed Project would consist of six project driveways, one on 9th Street, two on Vineyard Avenue, and three on Baker Avenue. All entrances to the site would be unsignalized. Adjacent properties to the north are zoned for Industrial Park (IP), General Industrial (GI), Medium Density Residential (M), and General Commercial (GC) uses. Properties to the west are zoned Low Density Residential (L). The BNSF railway and properties zoned for Industrial uses are directly south of the site.

CULTURAL AND ENVIRONMENTAL SETTING

Natural Setting

The City of Rancho Cucamonga (City) is located approximately 40 mi. east of the City of Los Angeles, situated at the foothills of the San Gabriel Mountains. The Project site lies at the southern boundary of Rancho Cucamonga where it meets Ontario. The Project site is essentially flat, exhibiting a gentle slope from the northwest to the southeast, from approximately 1,150 ft. to 1,120 ft. above mean sea level. The topography and soils are reflective of the area's original geologic setting, which was an alluvial floodplain. The Project site is partially bordered to the east by Cucamonga Creek, a now concrete-lined stormwater drainage channel; Cucamonga Creek originates in the San Gabriel Mountains to the north of the site and flows roughly north to south into the Santa Ana River at the Prado Dam. The City is largely urbanized and surrounded by other developed cities; the area within which the Project lies is similarly highly urbanized.

Prehistoric Period

Archaeological investigations in San Bernardino County and elsewhere in southern California have documented a diverse range of prehistoric human occupations, extending from the terminal Pleistocene to the time of European contact (Chartkoff and Chartkoff 1984; Koerper and Drover 1983; Mason 1984; McKenna 1986; Wallace 1955; Warren 1968).

Paleoindian (pre-6000 B.C.)

Paleoindian assemblages include large stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. These tools suggest a reliance on hunting rather than gathering. In general, hunting-related tools are more common during this period and are replaced by processing tools during the early Holocene (Basgall and Hall 1990).

Milling Stone Horizon (6000 B.C.-750 A.D.)

The Milling Stone Horizon is characterized by the presence of hand stones, milling stones, choppers, and scrapers. These tools are thought to be associated with seed gathering and processing and limited hunting activities. The artifacts from this period show a major shift in the exploitation of natural resources.

Late Prehistoric Horizon (A.D. 750-1750)

Like much of Southern California, this horizon in the general Project area is characterized by the presence of small projectile points associated with the use of bow and arrow. Steatite containers, asphaltum items, mortars and pestles, and bedrock mortars are also common artifacts.

Ethnohistoric Period

The area that is now Rancho Cucamonga/Ontario was occupied during the Late Prehistoric period by Native Americans commonly known as the Gabrielino (Bean and Shipek 1978; Bean and Smith 1978a; Kroeber 1925). This name was derived from their association with the San Gabriel Valley and the Mission San Gabriel de Archangel (Bean and Smith 1978a). The City itself is named after the Gabrielino village of Kukamo or Cucamonga (Kroeber 1925), which was located at the eastern extent of the tribe's territory. The name is thought to mean "sandy place" (CRM Tech 2007). The language of the group is derived from the Takic family, part of the Uto-Aztecan linguistic stock.

The Gabrielino established large, permanent villages in the fertile lowlands along rivers and streams and in sheltered areas along the coast. Seasonal migration was practiced across the area for both the exploitation of resources and based on seasonal weather conditions. Their territory encompassed the greater Los Angeles Basin, the coastal regions from Topanga Canyon in the north to perhaps as far south

as Aliso Creek, as well as San Clemente, San Nicholas, and Santa Catalina islands (Bean and Smith 1978a). Primarily hunters and gatherers, the Gabrielino used numerous styles of bows, bedrock mortars, portable mortars, pipes, chisels, metates, manos, and various forms of chipped stone tools.

The Mexican-American War ended on February 2, 1848, with the signing of the Treaty of Guadalupe Hidalgo, which established California as a United States possession and provided for the retention of private lands held by the conquered Mexicans. In 1851, the United States required that the courts approve all Hispanic land grants; however, many of the land grants were not approved and the division of many of the larger ranchos occurred. The effects of mission influence upon the local native populations were devastating. The reorganization of their culture alienated them from their traditional subsistence patterns and social customs. European diseases, against which the natives had no immunities, reached epidemic proportions and Gabrielino populations were decimated (Johnston 1962). By 1900, they had almost ceased to exist as a culturally identifiable group (Bean and Smith 1978a:540). Although most Gabrielino submitted to the Spanish and were incorporated into the mission system, some refused to give up their traditional lifeways and escaped into the interior regions of the State.

Other groups that inhabited lands near the Project site include the Luiseño and Serrano. All of these groups spoke a variation of the Takic language subfamily part of the Uto-Aztecan language family. Luiseño lifeways were very similar to those of the Gabrielino. At the time of the first contacts with the Spanish in the sixteenth century, the Luiseño inhabited areas to the west of the Gabrielino, including the coastal area of southern California, ranging approximately 50 miles from the southern part of Los Angeles County to the northern part of San Diego County, and inland about 30 miles (Bean and Shipek 1978). The people are called “Luiseño” due to their proximity to the Mission San Luis Rey de Francia.

Serrano territory encompassed the area east of the Gabrielino, generally across the San Bernardino Mountains (Kroeber 1925). However, the boundaries of their territory are not as reliably defined due to a lack of historical records and a more mobile settlement pattern than the Gabrielino. The territory roughly encompassed the base of the San Bernardino Mountains from the Cajon Pass, north to present-day Victorville, east to Twentynine Palms, and south to the Yucaipa Valley (Bean and Smith 1978b). The name “Serrano” derived from the Spanish word for highland or mountain and is used to refer to the linguistic group in the Takic family (Bean and Smith 1978b). The Serrano people can be further divided into the Kitanemuk, who lived around Tejon and Paso creeks, the Alliklik within the vicinity of the Santa Clara River, and the Vanyume along the Mohave River (Kroeber 1925).

The Serrano were organized loosely into exogamous clans; however, their social structure is not well known. Each clan had a hereditary leader called a kika and a hereditary assistant chief that had ceremonial functions called a paha’ (Kroeber 1925). Other spiritual leaders also had positions of power in the clan.

Serrano subsistence practices was largely based around gathering, hunting, and fishing. Depending on the environment, common food stables included acorns, piñon nuts, honey, mesquite, yucca, cactus, and chia seeds. Deer, mountain sheep, antelope, rabbits, other small rodents, and birds were also commonly hunted. Like the Gabrielino, bows and arrows were used to hunt for large game and curved throwing sticks, traps, snares, and deadfalls were used for smaller game (Bean and Smith 1978b).

Due to a lack of reliable year-round water sources, the Serrano lived in smaller villages than was common in the Gabrielino territory. They also largely lived in circular houses with a thatched roof; however, many of their daily activities took place within ramadas, which provided shade and blocked the wind. The house was primarily used for sleeping and storage only. The Serrano made tools from shell, wood, bone, stone, pottery, and plant fibers.

Historical Period

Portions of this historical context section are excerpted and adapted from the *Historic Context Statement for the City of Rancho Cucamonga, California* prepared by Chattel Architecture, Planning & Preservation, Inc. (Chattel 2010).

Spanish explorer Juan Rodríguez Cabrillo first discovered California in 1542, claiming it for the King of Spain. However, Spanish contact within the vicinity of the Project did not take place until the 1770s when Father Garces traveled across the Mojave Desert and entered coastal southern California through the Cajon Pass (Walker 1986).

Early Settlement (1811-1876)

For most of the Spanish-Mexican period, the San Gabriel and San Bernardino valleys, including the Rancho Cucamonga area, were considered part of the outlying land holdings of Mission San Gabriel de Archangel, which was was established in 1771.

The name "Cucamonga," a Shoshone word for "sandy place," first appeared in a written record of the San Gabriel Mission dated 1811 (Chattel 2010). After Mexico gained independence from Spain in 1821, the new authorities in Alta California began to dismantle the mission system in 1834 through the process of secularization. In the 1830s and 1840s, during secularization of the mission system, the Mexican authorities in Alta California made a number of large land grants on former mission properties in the valley. The 13,000-acre Rancho Cucamonga was granted to Los Angeles City Council president and businessman Tiburcio Tapia in 1839 (CRM Tech 2007). Tapia built his home on the top of the prominent Red Hill, planted some of Rancho Cucamonga's first vineyards, and built a small winery. The winery was enlarged and re-established as the Thomas Winery in 1933, and again as the Filippi Vineyards winery in 1967 (Clucas 1979:70). Portions of the historic winery buildings, located at the northeast corner of Foothill Boulevard and Vineyard Avenue, are currently being reused for commercial purposes (Chattel 2010).

When Tapia died in 1845, his daughter, Maria Merced Tapia de Prudhomme, became the sole heir of the Rancho Cucamonga. Maria Merced's husband, Leon Victor Prudhomme, assumed control of the rancho and eventually sold it to John Rains in 1858. Rains significantly expanded the vineyards, planting 125,000 to 150,000 vines. He was found murdered in 1862, and his widow, Dona Maria Merced Williams de Rains, inherited the ranch property. She encountered financial problems, and the property fell into foreclosure, ultimately marking the close of the rancho way of life in the Cucamonga region.

Acquisition of Land and Water (1877-1946)

The U.S. annexation of Alta California in 1848 brought more and more Euro-American immigrants into the area. Development of the town of Cucamonga began in the late 1870s and 1880s as a direct result of acquisition and distribution of land and water and the availability of rail transit through the region. Following Native American occupation of the Cucamonga Valley, the earliest documented use of local water sources was by Tiburcio Tapia at his winery, utilizing water from Cucamonga Creek, around the year 1839.

In the 1880s, the presence of both the Southern Pacific and Santa Fe railroads helped to promote a land boom throughout much of southern California. Also by the 1880s, large-scale efforts to distribute a reliable supply of water to Rancho Cucamonga lands were underway. Several individuals were particularly instrumental in bringing water to Rancho Cucamonga, including Isaias Hellman, largely responsible for bringing water to Cucamonga in 1887, Adolph Petsch, involved in early acquisition of land and distribution of water throughout Alta Loma beginning in 1881, and George and William Chaffey (Chaffey Brothers), who implemented an innovative irrigation system in Etiwanda in the early 1880s.

In 1870, Jewish immigrant Isaias Hellman, a prominent Los Angeles businessman and one of the original founders of the Farmers and Merchants Bank in downtown Los Angeles, along with several of his associates, came into ownership of the Rancho Cucamonga at a cost of approximately $50,000. The group immediately sold a small amount of the land, turning a quick profit, and kept the remaining 8,000 acres. Under a newly formed partnership called Cucamonga Company, Hellman and his associates subdivided the acreage and oversaw restoration of the local vineyards and winery, later to become the site of the Thomas Winery (Hofer 1983:53-54). As a result, the Cucamonga Valley was declared "the biggest winemaking estate in California" (Dinkelspiel 2008:102). To bring water to Cucamonga lands, Hellman and his associates oversaw a dramatic effort to tunnel horizontally into Cucamonga Canyon in the San Gabriel Mountains to the north to access water from natural mountain springs. Local Chinese immigrants served as the majority of the labor force for this project. Water was delivered to Cucamonga in 1887, and land in the area began to sell quickly (Clucas 1979:61). In 1895, the Cucamonga Company became the Cucamonga Vineyard Company, incorporated and controlled solely by Hellman, who continued to manage vineyard and winemaking operations.

In 1881, as a phenomenal land boom swept through southern California, George Chaffey, a Canadian-born engineer, created the agricultural colony of Etiwanda in what is now the eastern portion of the City of Rancho Cucamonga. It was in the development of Etiwanda that Chaffey first put into practice his influential concept of a "mutual water company," with equitable water rights affixed to each parcel of land. Between 1881 and 1883, two other colonies, Hermosa and the Iowa Tract, were established in the western portion of the city. In 1887, the two colonies merged under the name of Ioamosa, which was changed to Alta Loma in 1913.

Because of its favorable climate, the western San Bernardino Valley became known for the cultivation of citrus fruits, olives, and grapes. The vineyards and the wineries, in particular, figured prominently in the region's social and economic identity. During World War II, the Kaiser Steel Mill was established in the neighboring town of Fontana, which brought about significant changes in the region's agrarian landscape. In more recent decades, residential and commercial development has been the driving force behind the rapid urban expansion of the western San Bernardino Valley and the conversion of agricultural land. In 1977, the formerly separate towns of Etiwanda, Cucamonga, and Alta Lorna united to incorporate as the City of Rancho Cucamonga.

Railroad Development and the Agriculture Industry (1887-1970)

Construction of railroads through the Cucamonga Valley triggered tremendous growth of the local agriculture industry, mushrooming land sales, and subsequent development of the towns of Cucamonga (including the North Town neighborhood), Alta Loma, and Etiwanda. Similar to other Southern California boomtowns, construction of railroads through the region enabled both people and goods to move in and out of Rancho Cucamonga at unprecedented speed, which dramatically increased development. From the early 1900s to the 1950s, the northern portion of the City's landscape consisted mainly of citrus orchards, while the southern portion was dominated by vineyards.

The Town of Cucamonga first became a boomtown in anticipation of the arrival of the Santa Fe Railway, completed through the region in 1887 (Brodsly 1981:67-68). The availability of rail transit created a strong demand for land in Cucamonga and a dramatic increase in prices. The Cucamonga Fruit Land Company rapidly realized high profit margins, selling parcels that in 1886 had been $70 per acre for $150 to $250 dollars per acre just one year later in 1887 (Clucas 1979:60). The local agriculture industry flourished during this time, with a wide range of crops, including grapes, citrus, apricots, pears, peaches, olives, figs, walnuts, chestnuts, almonds, hay grain, and potatoes (Clucas 1979:63).

Cucamonga developed in the 1880s as an agricultural community with a small commercial core on Archibald Avenue, connecting the center of Cucamonga to the Santa Fe Railway and community of North

Town to the south. Early residential development was centered on Estacia Court, the nearby portion of Foothill Boulevard. Available records indicate that the Klusman Brothers (John, George, and Henry) developed the majority of these residences from the early 1910s through the 1930s. Each brother also made significant contributions to local development citywide (Clucas 1979:108).

As early as 1887, San Bernardino Road served as an important link between Cucamonga and the neighboring community of Ontario to the west. Important community buildings, including a post office, school, a rooming house for migrant workers, and a hotel, were located on San Bernardino Road between Vineyard and Archibald Avenues. A group of homes housing Chinese immigrant workers, known locally as "Chinatown," was located at the southwest corner of San Bernardino Road and present-day Klusman Avenue in the late 1880s.

The San Bernardino Line of the Pacific Electric Railway "Red Cars," with stations in Claremont, Upland, Alta Loma, Etiwanda, Fontana, and Rialto, was the Pacific Electric's longest line, and was completed through Rancho Cucamonga via stations at Alta Loma and Etiwanda in July 1914, offering competition to the older Santa Fe Railway to the south.

Postwar Development (1945-1977)

Following World War II, Rancho Cucamonga's landscape rapidly shifted from rural to suburban, reflecting the nation-wide trend. Driven by rapid highway construction, increasing automobile ownership, availability of modern building technologies, and the Baby Boom, the postwar period brought about an increase in housing demand and rising land values, spawning development of tract housing and light industry in Rancho Cucamonga on land previously used for agriculture (Ames and McClelland 2002:25). After World War II and prior to incorporation in 1977, the City experienced uncontrolled growth. It ultimately became a sprawling suburb, with tract housing, neighborhood-scale shopping centers, office parks, and surface parking proliferating throughout the City, aiming to meet the needs of nearby residents and to accommodate automobiles. Underscoring the dramatic increase in local development taking place, in 1979, prominent local development company Lewis Homes (founded 1955), announced sales of 533 single-family houses in the first nine months of the year, not including sales of commercial and multi-family developments (Los Angeles Times 1979).

Although large-scale tract housing did not take place in Rancho Cucamonga until the 1950s, development of housing tracts on local agricultural lands was sparked as early as 1942, when Kaiser Steel Mill began operations in nearby Fontana. Initially producing steel to aid the war effort, Kaiser Steel Mill was the ninth-largest steel production facility in the country by the late 1950s, employing 7,700 workers at its peak (Wagner 2005:111). This new industry helped propel regional growth, necessitating an increase in local housing stock for Steel Mill workers. Farmers received pressure to sell agricultural land from realtors who wanted to develop it for much needed Steel Mill worker housing. Kaiser Community Homes, one of the many successful enterprises started by Henry J. Kaiser, developed many postwar housing tracts in the Inland Empire and nationwide. In 1946, Henry Kaiser announced that his company would build more than 10,000 low-cost homes throughout the nation for Kaiser workers, beginning in Southern California (Foster 1989).

Another important driver of postwar suburbanization in Rancho Cucamonga were increasing employment and transportation options offered by expansion of the nearby Ontario International Airport (originally Ontario Airport). In 1942, the federal government allocated Works Progress Administration funding to improve the existing dirt runway at the Ontario Airport to create two paved runways for Army and Army Air Corps operations. At the close of the war in 1945, airport operations lessened for a time, although the airport became Ontario International Airport in 1946. In 1949, airlines began offering regular passenger service into and out of the airport. Beginning in 1951, military operations at the airport resumed, using the

airport for California Air National Guard operations for the Korean War. Various airport improvements and runway extensions took place through 1962.

Cucamonga Valley Wine History

Although the first exploration into viticulture began as early as 1839 with Tiburcio Tapia, real expansion of wine production in the Cucamonga Valley is credited to Secundo Guasti, who established one of the first large-scale wine production companies in the region and in California in 1883 (Chattel 2010). By 1917, the Guasti Italian Vineyard Company (IVC) owned approximately 5,000 contiguous acres of land in the Cucamonga Valley and was in operation well into the 1950s (Cal Poly Pomona 2012; Chattel 2010; Filippi 2007; Hartig 2002). The unincorporated community of Guasti, located approximately 1 mi. southeast of the Project, is where the Guasti IVC headquarters were located as early as 1913, according to Sanborn maps (Sanborn 1913, 1929). Today the community of Guasti is named after Secundo Guasti and the original headquarters remain extant.

In 1919, the U.S. government passed the National Prohibition Act, which prohibited the production, sale, and transport of alcoholic beverages nationwide, and resulted in a 14-year period called, "Prohibition." However, the law did allow for families to produce up to 200 gallons of alcohol at their homes. This loophole in the regulation spurned the growth of family-owned vineyards in Cucamonga Valley which was occupied by 16,000 acres of vineyards by the time (Chattel 2010; Hartig 2002; Filippi 2007). In 1927, an Italian immigrant named Domenico Galleano and his wife Lucia purchased the 160-acre Cantu Ranch located in Wineville (now Mira Loma), located approximately 7 mi. south of the Project. During Prohibition, the Galleano family made money by selling their wine grapes to families for wine production. They opened their winery in 1933, following the end of Prohibition (Galleano Winery 2017; Hartig 2002).

Following Prohibition, the valley began to thrive once more with the open production and distribution of wine. In 1934, the Cucamonga Pioneer Vineyard Association (CPVA) was founded as a co-operative of small family-owned vineyards. The CPVA winery was located on the east side of Haven Avenue north of the Southern Pacific Railroad (now Metrolink). They owned 4,000 acres of vineyards in the valley (Chattel 2010; Hartig 2002). In the 1940s, at the height of the wine industry in the Cucamonga Valley, there were approximately 60 independently owned wineries and more than 45,000 acres of vineyards in the area (Chattel 2010; Filippi 2007; Hartig 2002).

In the 1950s and 1960s, several factors led to the decline of the viticultural industry in Cucamonga Valley. One was the changing palate of the American people; demand for drier wines boosted the wine production in Napa Valley in northern California as opposed to the sweet wines made in the Cucamonga Valley (Chattel 2010; Filippi 2007). Encroaching sprawl from the greater Los Angeles area made it more profitable for farmers to sell land to developers rather than continue to farm (Chattel 2010; Filippi 2007; Hartig 2002). By 1950, the valley had 20 wineries. Today, only four wineries remain: Biane, Filippi, Galleano, and Hofer (Chattel 2010; Filippi 2007; Hartig 2002).

The City of Rancho Cucamonga was incorporated in 1977, consolidating the three towns of Cucamonga, Alta Loma, and Etiwanda into one municipality. Although the local agriculture industry has changed over time due to a variety of factors, including technological advancement and transportation improvements, agriculture remains a recognizable, although fading, feature of Rancho Cucamonga's physical landscape (Chattel 2010).

STUDY METHODS

Methods used to assess the presence of and potential for cultural resources within the property included a search of existing records and a pedestrian field survey. The records search was conducted by the SCCIC and included the Project site and a radius of 1 mi. around it. In addition, historical aerial photographs and USGS topographic maps were consulted from historicaerials.com.

The field survey was conducted by ASM Senior Archaeologist Sherri Andrews and ASM Architectural Historian Marilyn Novell on August 1, 2019. Field methods consisted of a pedestrian survey of the proposed Project site using transects spaced at 15-m intervals.

STUDY RESULTS

Records Search Results

The records search at the SCCIC identified 48 previous cultural resource studies that had been conducted within a 1-mi. radius (Table 1). Four of the studies, SB-06814, SB-07483, SB-08119, and SB-08120, have encompassed small areas within the Project site while one study, SB-04160, was conducted directly adjacent to the north-central edge of the area, encompassing the area currently occupied by a recently developed office park.

SB-06814: This project encompassed the area of a proposed cell tower at 8830 Vineyard Avenue. No prehistoric or historical resources were encountered.

SB-07483: This project included archaeological survey and evaluation of two residential properties within an approximately 1.25-acre area at 8705 and 8715 E. 9th Street, at the north edge of the Project. The report concluded that the project area has a low sensitivity for prehistoric archaeological resources and a moderate sensitivity for historical-period resources. The structures at the site were recommended not to be considered as historical resources for the purposes of CEQA; the structures have since been demolished.

SB-08119: This project included evaluation of two residential properties at 8803 and 8817 Baker Avenue, at the west edge of the Project; no archaeological survey was undertaken. The residence at 8817 Baker has been demolished; the structure at 8803 Baker will be preserved in place.

SB-08120: This project included evaluation of three historical-period buildings at 8810 Vineyard Avenue, at the east edge of the Project; no archaeological survey was undertaken. The structures at 8810 Vineyard have since been demolished.

Table 1. Survey Reports within the 1-Mile Records Search Radius

Report No. (SB-)	Year	Author(s) / Affiliation	Title	Relationship to Project Site
00194	1973	San Bernardino County Museum Association	Environmental Impact Survey: Red Hill Green Tract #8884	Outside
00317	1976	Martz, Patricia / Archaeological Research Unit, UCR	Description and Evaluation of the Cultural Resources: Cucamonga, Demens, Deer and Hillside Creek Channels, San Bernardino and Riverside Counties, California	Outside
00341	1976	Harris, Ruth D. / San Bernardino County Museum Association	Archaeological and Historical Resources Assessment of Project No. 76-10	Outside
00356	1976	Harris, Ruth D. / San Bernardino County Museum Association	Archaeological - Historical Resources Assessment of Various Parcels Alta Loma/Cucamonga Area	Outside

Report No. (SB-)	Year	Author(s) / Affiliation	Title	Relationship to Project Site
00369	1976	Harris, Ruth D. / San Bernardino County Museum Association	Archaeological - Historical Resources Assessment at Arrow - Ninth and Baker and Madrone, Approximately 14 Acres	Outside
00433	1976	Hearn, Joseph E. / San Bernardino County Museum Association	Archaeological - Historical Resources Assessment of Tentative Tract 9589 Located on Red Hill in Cucamonga	Outside
00442	1976	Hearn, Joseph E. / San Bernardino County Museum Association	Archaeological - Historical Resources Assessment of Approximately 12-Acre Site Located South of Existing Casa Volanti Mobile Home Park South of Foothill Boulevard and 610 Feet East of Baker Avenue in the Cucamonga Area	Outside
00443	1977	Hearn, Joseph E. / San Bernardino County Museum Association	Archaeological - Historical Resources Assessment of Approximately 11 Acres South of Casa Volante Mobile Home Park South of Foothill, East of Baker Avenue and North of Arrow - Cucamonga Area	Outside
00552	1977	Hearn, Joseph E. / San Bernardino County Museum Association	Historical - Archaeological Resources Assessment of Approximately One-Half Acre at 8433 Baker Avenue in Cucamonga	Outside
00611	1978	Hearn, Joseph E. / San Bernardino County Museum Association	Historical - Archaeological - Paleontological Resources Assessment of Zone 1, Ninth Street Storm Drain; City of Upland	Outside
00702	1978	Archaeological Associates	Archaeological Survey Report: Ultrasystems Project #4426	Outside
00877	1979	Simpson, Ruth D. / San Bernardino County Museum Association	Cultural Resources Assessment: Vineyard Avenue from Fourth Street North to Arrow Highway	Outside
02086	1990	Del Chario, Kathleen C. / Archaeological Resource Managements Corp.	An Archaeological Assessment of the Sycamore Village Project Site, Rancho Cucamonga, San Bernardino County	Outside
02101	1990	Stephen R. Van Wormer / Archaeological Resource Managements Corp.	An Historical Assessment of the Sycamore Village Project Site, Rancho Cucamonga, San Bernardino County	Outside
02290	1991	Hatheway, Roger G., and John F. Romani / Hatheway and Associates	Preliminary Historic Property Survey Report for the Proposed Widening of Foothill Boulevard between Grove Avenue and Lion Street, in the City of Rancho Cucamonga, San Bernardino County	Outside
02763	1993	Alexandrowicz, J. Stephen, Anne Duffield-Stoll, and Susan R. Alexandrowicz / Archaeological Consulting Services	Urban Historic Archaeological and Architectural Investigations at Foothill Blvd. & Vineyard Ave., City of Rancho Cucamonga, County of San Bernardino, CA	Outside
02863	1993	Wlodarski, Robert J. / HEART	Negative Archaeological Survey Report, Provide High Occupancy Vehicle (HOV) Lanes on I-10 between Mills and I-15	Outside
02940	1993	Archaeological Associates	Historical Property Survey Report for the Proposed Widening of Foothill Blvd., between Grove Ave and Lion St., in the City of Rancho Cucamonga, San Bernardino County, California	Outside
03571	2000	Lapin, Phillipe / LSA	Cultural Resource Assessment for PBMS Facility CM 354-01, County of San Bernardino, CA	Outside
03582	2000	Duke, Curt / LSA	Results of the Cultural Resource Record Search and Extended Survey for PBMS Facility CM 354-01, San Bernardino County, CA	Outside
03593	1998	Alexandrowicz, John Stephen, S. Alexandrowicz, D. Wrobleski, R. Kramer, A. Stoll, and T. Bell / ACS	Historical Archaeology at El Rancho de Cucamonga, City of Rancho Cucamonga, San Bernardino Co, CA	Outside

Report No. (SB-)	Year	Author(s) / Affiliation	Title	Relationship to Project Site
03693	1987	Hammond, Stephen R. / Caltrans	Supplemental Historic Property Survey Report for Proposed Improvements to SR 71 between I-10 & SR 91-CA-SBR-4212	Outside
04160	*2002*	*White, Robert S., and Laura S. White / Archaeological Associates*	*A Cultural Resource Assessment of a 9.26 Acre Parcel Located Adjacent to E. 9th St in the City of Rancho Cucamonga, San Bernardino County, CA*	*Adjacent*
04165	2003	Duke, Curt / LSA	Cultural Resource Assessment: Cingular Wireless Facility No. Sb225-01, Rancho Cucamonga, San Bernardino County, Ca	Outside
04168	2002	White, Laurie S., Robert S. White, and David Van Horn / Archaeological Associates	Cultural Resource Assessment of TT 16311, a 10.5 Acre Site Located at the SE Corner of 6th St & Hellman Ave, City of Rancho Cucamonga, San Bernardino County, CA	Outside
04502	2004	Thal, Sean M. / Earthtouch	Ontario/CA-0197	Outside
04670	2005	Aislio-Kay / Michael Brandman Associates	Cultural Resource Records Search and Site Visit Results for Sprint Telecommunications Facility Candidate Sb70xc008a (Vineyard West Mini Storage), 8646 Vineyard Avenue, Rancho Cucamonga, San Bernardino County, California	Outside
04673	2004	Dice, Michael / Michael Brandman Associates	Phase I Cultural Resource Survey for the Valley View Education Center and Adult School Project, Section 16 of T.1S R.7W, City of Ontario, California	Outside
05106	2004	Miller, Jason A., and Alex Wesson	Cultural Resources Survey of the Proposed Alta/Foothill Cellular Site, FCC CA-7139-H, 8363 Foothill Blvd, City of Rancho Cucamonga, San Bernardino County, California	Outside
05358	1976	Sider, W. A.	Cucamonga Creek 1776-1976 after 200 Years	Outside
05488	2006	Hatoff, Brian / URS	Vineyard, 3755B Flower Rd, Rancho Cucamonga	Outside
05492	2007	Bonner, Wayne H., and Keasling, James M.	Cultural Resources Record Search Results and Site Visit for Royal Street Communications, LLC Facility Candidate LA2221a (Storage Max) 8363 Foothill Boulevard, Rancho Cucamonga, San Bernardino County, California	Outside
05499	2003	Hammond, Stephen R., and David Bricker	Historic Resources Compliance Report for the Relinquishment of State Route 66, City of Rancho Cucamonga, San Bernardino County, California	Outside
06666	2009	Encarnacion, Deirdre / CRM Tech	Identification and Evaluation of Historic Properties: Northwest Recycled Water System Project, Cities of Rancho Cucamonga, Upland and Ontario, San Bernardino County, California	Outside
06667	2009	Encarnacion, Deirdre / CRM Tech	Identification and Evaluation of Historic Properties: Northwest Recycled Water System Project, Cities of Rancho Cucamonga, Upland and Ontario, San Bernardino County, California	Outside
06669	2010	Sampson, Seth / NAVFAC Environmental Management Division Department of the Navy	Pearson Lab Road Grading Project, Kern and San Bernardino Counties, California NAWS Cultural Resource Number 2010-37	Outside
06814	**2010**	**Wlodarski, Robert J., and Diane F. Bonner / HEART**	**Cultural Resources Record Search and Archaeological Survey Results for the Proposed Royal Street Communications, California, LLC, Site LA5150A (Schen Steel) Located at 8830 Vineyard Avenue, Rancho Cucamonga, San Bernardino County, California**	**In SE corner**
06912	2010	Bonner, Wayne H., and Sarah A. Williams	Cultural Resource Records Search and Site Visit Results for T-Mobile USA Candidate IE 25501-01G (Hellman Pump Station), East Side of the 1100 Block of North Hellman Avenue South of 5th Street, Ontario, San Bernardino County, California	Outside

Report No. (SB-)	Year	Author(s) / Affiliation	Title	Relationship to Project Site
06952	2010	Clark, Jennifer / Geo-Technologies, Int.	Crown Castle-Orchard Hardware Plaza #880168 Located at 9116 Foothill Blvd in Rancho Cucamonga, San Bernardino County, California 91730	Outside
07004	2005	Gust, Sherri / Cogstone Resource Management, Inc.	Archaeological and Paleontological Resource Assessment Report for the 9th and Madrone Project, Rancho Cucamonga, California	Outside
07048	2012	Padon, Beth / Discovery Works	Cultural Resource Assessment Study for Verizon "Hemlock" Site in Rancho Cucamonga, San Bernardino County, California	Outside
07084	*2010*	*, Bai "Tom" / CRM Tech*	*Preliminary Historical/Archaeological Resources Study, San Bernardino Line Positive Train Control Project, Southern California Regional Rail Authority, Counties of Los Angeles and San Bernardino*	*Adjacent*
07121	2007	Baker, Cindy L., and Mary L. Maniery / PAR Environmental	Cultural Resources Inventory and Evaluation of U.S. Army Reserve 63rd Regional Readiness Command Facilities	Outside
07148	2012	Puckett, Heather R.	Yale, 1833 East 4th Street, Ontario, California	Outside
07483	**2013**	**McKenna, Jeanette A. / McKenna et al.**	**A Phase I Cultural Resources investigation for the Ranchwood Holdings, LLC Property in the City of Rancho Cucamonga, San Bernardino County, California**	**N edge**
07831	2014	Tang, Bai "Tom", Deirdre Encarnacion, Daniel Ballester, and Nina Gallardo / CRM Tech	Historical/Archaeological Resources Survey Report: Tentative Tract No. 18976, 8565 Madrone Avenue, City of Rancho Cucamonga, San Bernardino County, California.	Outside
08119	**2015**	**Tang, Bai "Tom", and Terri Jacquemain / CRM Tech**	**Historic Building Evaluation: 8803 and 8817 Baker Avenue, City of Rancho Cucamonga, San Bernardino County, California**	**W edge**
08120	**2015**	**Tang, Bai "Tom", and Terri Jacquemain / CRM Tech**	**Historic Building Evaluation: 8810 Vineyard Avenue, City of Rancho Cucamonga, San Bernardino County, California**	**E edge**
08257	2016	Tang, Bai / CRM Tech	Due-Diligence Historical/Archaeological Resources Study Inland Empire Utilities Agency Recharge Basin Maintenance Plan Chino Basin Area, San Bernardino and Riverside Counties, California CRM TECH Contract No. 2989	Outside

A total of 46 cultural resources have been previously recorded within the 1-mi. records search radius (Table 2). All but two are from the historical period, primarily consisting of various buildings and structures and including the Union Pacific railroad or railroad-related features, individual single-family homes, refuse scatters, and historic districts. The two prehistoric sites were documented approximately 0.75 mi. north of the Project site. A single extant resource remains within the Project, the house at 8803 Baker Avenue. This resource has been found to be significant and is expected to remain in situ and be integrated into Project design.

Table 2. Previously Documented Resources within the 1-Mile Records Search Radius

Primary # (P-36-)	Date Recorded (Recorded by, Affiliation)	Site Type	Description	Attribute Code	Relation to Project Site
000897	1975 (Weaver)	Prehistoric	Red Hill Site	AP2. Lithic scatter; AP4. Bedrock milling feature	Outside
000898	1975 (Weaver)	Prehistoric	Tapia Rancho Site	AP2. Lithic scatter; AP4. Bedrock milling feature	Outside

Primary # (P-36-)	Date Recorded (Recorded by, Affiliation)	Site Type	Description	Attribute Code	Relation to Project Site
002910	Multiple since 1962; most recent: 2018 (Shannon Davis, ASM); 2018 (Anna Hoover, L&L); 2018 (Urbana Preservation & Planning)	Road	National Old Trails Highway; Old Trails Highway/Road; CHL - 781; US Highway 66; Historic Route 66	AH4. Privies/dumps/trash scatters; AH6. Water conveyance system - culvert; AH7. Roads/trails/railroad grades; AH11. Walls/fences - retaining wall; HP11. Engineering structure; HP19. Bridge; HP37. Highway/trail	Outside
007351	1993 (J. S. Alexander, Archaeological Consulting Services)	Site		AH4. Privies/dumps/trash scatters	Outside
007395	1993 (J. S. Alexander, Archaeological Consulting Services)	Site		AH4. Privies/dumps/trash scatters	Outside
007396	1993 (J. S. Alexander, Archaeological Consulting Services)	Site		AH4. Privies/dumps/trash scatters	Outside
007397	1993 (J. S. Alexander, Archaeological Consulting Services)	Site		AH4. Privies/dumps/trash scatters; AH15. Standing structures	Outside
007398	1993 (Stephen Alexandrowicz, ACS)	Site		AH4. Privies/dumps/trash scatters	Outside
012620	2006 (Laura S. White, Archaeological Associates)	Building	8583 Arrow Route	HP2. Single family property	Outside
012915	2006	Building	Major Norman E. Thrall USAR Center	AH15. Standing structures	Outside
013926	1991 (R. Hatheway, Hatheway & Associates; 1993 (Laurie S. White, Archaeological Associates)	Building	Oso Monument, 8318 Foothill Blvd., Rancho Cucamonga	HP5. Hotel/motel	Outside
013927	1990 (Van Wormer, Arch Res Mgt. Corp); 1991 (R. Hatheway, Hatheway & Associates); 2017 (Justin Castells, Applied Earthworks)	Structure	Cucamonga Water Co. Reservoir, Foothill Blvd. & San Bernardino Rd., Rancho Cucamonga	HP22. Lake/river/reservoir	Outside
013928	1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie S. White, Archaeological Associates)	Building	Magic Lamp Restaurant, 8189 Foothill Blvd., Rancho Cucamonga	HP6. 1-3 story commercial building	Outside
013929	1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie S. White, Archaeological Associates)	Building	8190 Foothill Blvd., Rancho Cucamonga	AH15. Standing structures	Outside
013930	1991 (R. Hatheway, Hatheway & Associates)	Building	Muntz Car Stereo	HP6. 1-3 story commercial building	Outside

Primary # (P-36-)	Date Recorded (Recorded by, Affiliation)	Site Type	Description	Attribute Code	Relation to Project Site
013931	1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie S. White, Archaeological Associates)	Building	China Alley Restaurant & Red Chief Motel, 8270 Foothill Blvd., Rancho Cucamonga	HP6. 1-3 story commercial building	Outside
013932	1991 (R. Hatheway, Hatheway & Associates)	Building	Gabby's North Bar & Grill, 8411 Foothill, Rancho Cucamonga	HP6. 1-3 story commercial building	Outside
013933	1993 (Laurie S. White, Archaeological Associates)	Building	8219 Red Hill Country Club Dr., Rancho Cucamonga	HP2. Single-family property	Outside
013934	1993 (Laurie S. White, Archaeological Associates)	Building	8225 Red Hill Country Club Dr., Rancho Cucamonga	HP2. Single-family property	Outside
013945	1993 (Laurie S. White, Archaeological Associates)	Building	8131 Grove Ave., Rancho Cucamonga	HP6. 1-3 story commercial building	Outside
013946	1993 (Laurie S. White, Archaeological Associates)	Building	8188 Red Hill Country Club Dr., Rancho Cucamonga	AH15. Standing structures	Outside
015400	(Smith and Suss)	Site	Tapia Adobe Site, Calle Carabe, Fontana	AH2. Foundations/structure pads	Outside
015702	1979 (Jim Arbuckle); 1981 (State Park Commission, Dept. of Natural Resources); 1991 (R. Hatheway, Hatheway & Associates); 1993 (White, Archaeological Associates)	Building	8916 Foothill, RCGA; Cucamonga / Thomas Winery; CHL - 490	HP6. 1-3 story commercial building	Outside
016424	1987 (Lynn Merrill)	Building	8308 9th Street	HP2. Single-family property	Outside
016425	1987 (Lynn Merrill)	Building	Kincaid Ranch; OHP Property Number - 059312	HP2. Single-family property	Outside
016436	1979 (C. Lucas); 1987 (L. Merrill)	Building	Willows School / Professional Center; OHP Property Number - 059324	HP15. Educational building	Outside
016441	1987 (Lynn Merrill)	Building	8308 Baker St., Rancho Cucamonga; Alderfer House	HP2. Single-family property	Outside
016453	1987 (L. Merrill); 1991 (R. Hatheway, Hatheway & Associates)	Structure	Foothill Blvd. Bridge #54-01 (East Upland Underpass); Pacific Electric/So Pacific Overcrossing	HP19. Bridge	Outside
016454	1987 (L. Merrill); 2008 (T. Tang, CRM Tech); 2014 (Josh Smallwood, Helix)	Site	Foothill Blvd.; Old San Bernardino Rd.	AH7. Roads/trails/railroad grades	Outside
016455	1987 (L. Merrill); 1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie S. White, Archaeological Associates)	Building	8318 Foothill, Rancho Cucamonga; Sycamore Inn	HP5. Hotel/motel	Outside

Primary # (P-36-)	Date Recorded (Recorded by, Affiliation)	Site Type	Description	Attribute Code	Relation to Project Site
016456	1987 (L. Merrill); 1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie White, Archaeological Associates)	Building	8841 Foothill, Rancho Cucamonga; Klusman House	HP2. Single-family property	Outside
016466	1987 (Lynn Merrill)	Building	8555 Grove Avenue; Scott House	HP2. Single-family property	Outside
016480	1975 (Dennis Hansberger); 1979 (Clucas)	Site	Cucamonga Chinatown Site; OHP Property Number - 091061; PHI - SBR-077	HP2. Single-family property	Outside
016491	1987 (Merrill)	Building	7980 Vineyard, Rancho Cucamonga; Thomas House	HP2. Single-family property	Outside
018665	(Purcell, UCSB)	Structure	Bridge #54-314, SR 66 over West Channel Cucamonga Wash	HP19. Bridge	Outside
020003	1987 (Lynn Merrill); 2002 (David Van Horn, Archaeological Associates)	Building	Blessent House; OHP Property Number – 059307	HP2. Single-family property	Outside
020004	2002 (Van Horn, Archaeological Associates)	Building	Blessent Residence #2	HP2. Single-family property	Outside
020277	1991 (R. Hatheway, Hatheway & Associates); 1993 (Laurie S. White, Archaeological Associates)	Building	8112 Foothill Blvd., Rancho Cucamonga; Truck/Fruit Farm	HP2. Single-family property; HP33. Farm/ranch	Outside
020278	1991 (Hatheway, Hatheway & Associates)	Building	8161 Foothill Blvd., Rancho Cucamonga; Foothill Liquor & Market	HP6. (1-3 story commercial building)	Outside
020279	1993 (Laurie S. White, Archaeological Associates)	Building	8111 Foothill Blvd., Rancho Cucamonga; El Taco Indio & Offices	HP06. 1-3 story commercial building	Outside
023221	2009 (Jenna Snow, Chattel)	Building	Cucamonga Neighborhood Character Area	AH15. Standing structures; AH16. Other; HP2. Single-family property	Outside
024508	2009 (Jenna Snow, Chattel)	Building	8689 9th Street; Cask and Cleaver	HP6. 1-3 story commercial building	Outside
026906	**2013 (Jeanette McKenna, McKenna et al.)**	**Building**	**8705 and 8715 E. 9th Street; Gunn-Ricci Ranch; Ricci-Castellini Residential Complex**	**HP3. Multi-family residential property; HP33. Ranch/farm**	**Within / demolished**
029058	**2015 (Terri Jacquemain, CRM Tech)**	**Building**	**8817 Baker Avenue**	**HP2. Single-family property**	**Within / demolished**
029059	**2015 (Terri Jacquemain, CRM Tech)**	**Building**	**8803 Baker Avenue**	**HP2. Single-family property**	**Within – to be preserved**

Primary # (P-36-)	Date Recorded (Recorded by, Affiliation)	Site Type	Description	Attribute Code	Relation to Project Site
029060	2015 (Terri Jacquemain, CRM Tech)	Building	8810 Vineyard Avenue	HP2. Single-family property	Within / demolished

Historical Imagery

Historical aerials from 1938, 1948, 1959, 1966, 1978, 1980, 1994, 2002, 2005, 2009, 2010, 2012, and 2014 were analyzed on historicaerials.com, as were historical topographic maps dated 1897, 1900, 1903, 1906, 1908, 1911, 1912, 1917, 1927, 1929, 1932, 1939, 1947, 1955, 1961, 1962, 1963, 1965, 1969, 1973, 1975, 1982, 2012, and 2015.

No structures or land use is depicted on any of the topos from 1897 through 1947, while an intermittent waterway is present in the northeastern corner of the parcel. The 1955 topo shows much of the parcel in use as an orchard, with modern street configurations and a number of structures present along the western (Baker Avenue) and northern (9th Street) edges; the waterway at the northeastern corner appears to have been channelized and a rail line runs along the south edge. The configuration on the maps appears essentially consistent through 1965. The 1959 aerial and 1969 topo no longer show orchards throughout the parcel, and towers for radio station KASK appear in the north-central portion of the Project and a long, thin building oriented east/west appears at the eastern edge. By 1975, the large, square structure in the south-central portion of the Project appears, and land use remains largely consistent to present.

NAHC Sacred Lands File Search

On June 19, 2019, ASM sent a request to the NAHC to search their Sacred Lands File (SLF) to determine whether their files contained any information relating to the presence of Native American cultural resources within the Project site. Response from the NAHC was received on July 12, 2019, indicating that no such resources were found as a result of the SLF search. However, the absence of specific site information in the SLF does not indicate the absence of Native American cultural resources within the Project site. An earlier SLF search for this same general Project area resulted in a list of 10 tribal contacts who may have interest in the area. Query letters were sent to each of the contacts on the list. The NAHC response and contact list, sample query letter, and any responses received to date (if not containing information deemed confidential) are provided with this report as Attachment A.

Pedestrian Survey Results

The Project site comprises both vacant and improved lots (Figures 2-6). The radio station building and antennas are still in place. The structure at the eastern edge of the Project still appears to be in use as some sort of manufacturing facility, while the structure at the southern edge is abandoned. The historical structure on the western edge is also currently abandoned. Some debris remains in the areas where structures have been recently demolished. The open areas between these improved lots are generally moderately to heavily vegetated and all have been heavily modified by prior land usage in the area. There are a number of fences, berms, holes, ruts, and formal and informal roads and trails found throughout the parcels. The eastern area has been used for residential dumping with some modern refuse scattered throughout all of the parcels. There is also evidence of some transient occupation.

Pedestrian survey was conducted of all accessible portions of the Project site; i.e., where ground surface was visible. Where vegetation was heavier, particular attention was paid to berms, rodent holes, and other areas of visible disturbance where subsurface soils might be exposed. No evidence of either prehistoric or historical archaeological materials were observed during the survey.

CONCLUSIONS AND RECOMMENDATIONS

The results of the records search, assessment of historical imagery, and the pedestrian survey indicate a low archaeological sensitivity for the Project site. Historical aerial photographs and topographic maps indicate that development of the Project site did not begin until the mid-1950s, and the entire area has undergone extensive surface modification over time.

No archaeological resources were identified within the Project that would require further consideration under CEQA, and no additional archaeological work is recommended. However, should any unanticipated archaeological materials be revealed during ground-disturbing activities, work at that location should be brought to a halt until a qualified archaeologist can assess its potential significance.

Should you have any questions regarding this study, please do not hesitate to contact me.

Respectfully submitted,

Sherri Andrews, M.A., RPA
Senior Archaeologist

Attachments

Figure 1. Project location.
Figure 2. Overview from central portion of Project north toward 9th Avenue, radio station at upper right.
Figure 3. Overview from central portion of Project southeast toward railroad and manufacturing facility.
Figure 4. Overview toward north-northwest along the channelized creek.
Figure 5. Overview of radio towers toward southwest.
Figure 6. Western portion of Project toward southeast with 8803 Baker Avenue at right.
Attachment A. NAHC Response and Correspondence

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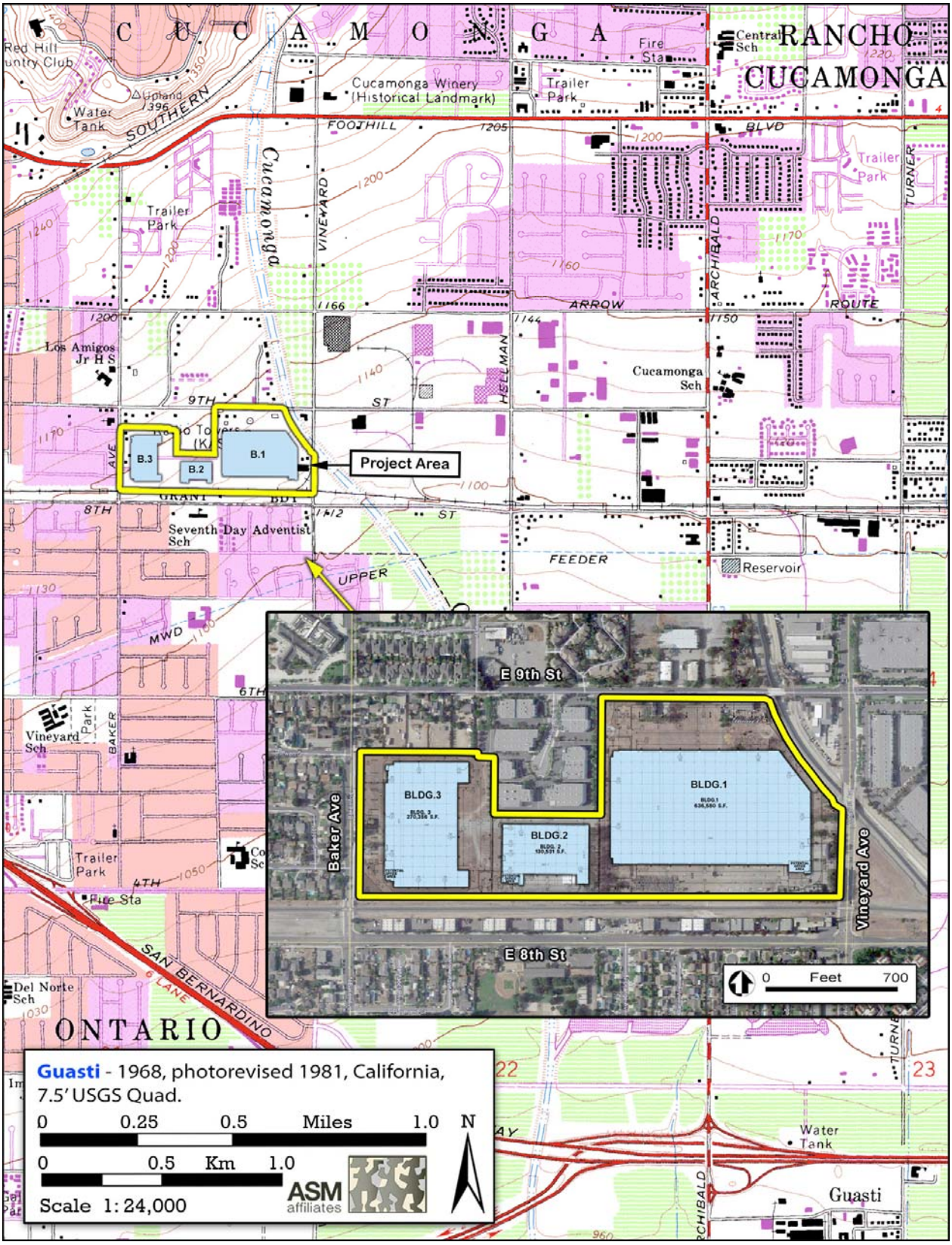


Figure 1. Project location.



Figure 2. Overview from central portion of Project site north toward 9th Avenue, radio station at upper right.



Figure 3. Overview from central portion of Project site southeast toward railroad and manufacturing facility.



Figure 4. Overview toward north-northwest along the channelized creek.



Figure 5. Overview of radio towers toward southwest.



Figure 6. Western portion of Project site toward southeast with 8803 Baker Avenue at right.

Appendix D-2

Archaeological Resource Validation Memorandum (Duke)

DUKE CRM

18 Technology Drive, Suite #103
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949-356-6660
www.dukecrm.com

May 14, 2020

Michael Sizemore
Panattoni Development Company, Inc.
2442 Dupont Drive
Irvine, CA 92612

Subject: Archaeological Resource Validation Memorandum for the 9th and Vineyard Development Project, City of Rancho Cucamonga, San Bernardino County, California

Dear Mr. Sizemore:

At the request of Panattoni Development Company, Inc. (Panattoni), Duke Cultural Resources Management, LLC (DUKE CRM) has reviewed the cultural resources report previously prepared for the 9th and Vineyard Development Project (Project), located in the City of Rancho Cucamonga, San Bernardino County, California. This study is being conducted as part of compliance with the National Historic Preservation Act (NHPA or Section 106). The purpose of this letter is to document our review of the prior cultural resources study[1] as it pertains to archaeology. The historic built environment component is being updated by Kathryn McGee, Architectural Historian. The previous cultural resources study was prepared for the purposes of compliance with the California Environmental Quality Act (CEQA). Additionally, DUKE CRM conducted a field survey of off-site improvements on the property located southeast of the Project. These off-site improvements are associated with a proposed storm drain and culvert. See Attachment 1 for Project maps.

DUKE CRM reviewed the letter report and records search from 2019 and we compared the current Project design plans to previous design plans. ASM conducted a records search at the South Central Coastal Information Center (SCCIC), located at California State University, Fullerton. There were no archaeological sites recorded within ¾ mile of the Project. Additionally, the previous field survey did not discover any archaeological resources within the Project. ASM contacted the Native American Heritage Commission (NAHC); there were no Native American sites within their Sacred Lands File (SLF). ASM contact 10 Native American groups on the NAHC list. Two groups responded: the San Manuel Band of Mission Indians (San Manuel) and the Gabrieleno Band of Mission Indians- Kizh Nation. San Manuel indicated that the area is sensitive for cultural resources due to the location of the Project along Cucamonga Creek and near prehistoric sites. ASM concluded that the Project has a low archaeological sensitivity due largely to the high level of prior ground disturbance. No additional efforts related to archaeology were recommended.

The only substantive changes to the Project design since the 2019 cultural resources study by ASM is the addition of a culvert and storm drain outside of the Project to the southeast. These features are located east of Vineyard Avenue, north of the Burlington, Northern, and Santa Fe (BNSF) Railroad, and west of the Cucamonga Creek Channel on the south side of a parcel, immediately north of the BNSF Railroad. DUKE CRM Principal Archaeologist, Curt Duke and field technician,

[1] Andrews, Sherri. 2019. *Cultural Resource Study Findings Memo for the 9th & Vineyard Development Project, City of Rancho Cucamonga, San Bernardino County, California*. Prepared by ASM Affiliates, Inc.

Zachary Duke conducted a field survey of this approximately 3-acre parcel on May 7, 2020. No archaeological resources were discovered during the field survey. Survey transect were spaced approximately 15 meters apart. Ground visibility was approximately 75 percent. There are dead grasses in the soil, chunks of concrete, and other modern debris. The ground throughout the parcel is high disturbed. There are construction vehicle tracks on the surface of the parcel. The soil is a tannish brown, silty loam. There is imported and natural gravel, as well as cobbles present on the site. There is an existing buried sewer line on the south side of the parcel running east-west north of the BNSF Railroad. This is the approximate location of the proposed culvert and storm drain. Project photographs are included in Attachment 2

DUKE CRM reviewed the previous cultural resources report prepared for CEQA compliance for the Project. We recommend that the report is adequate for the purposes of Section 106/NHPA compliance and that there is a low potential for impacts to archaeological resources. Additionally, our field survey of the off-site improvement area southeast of the Project did not identify any archaeological resources and found the earth in a similar disturbed manner to the prior study. Therefore, we recommend that this area has a low potential for archaeological resources, as well.

Thank you for contacting DUKE C R M on this request. If you have any questions or comments, you can contact me at (949) 356-6660 or by e-mail at curt@dukecrm.com.

Sincerely,

DUKE CULTURAL RESOURCES MANAGEMENT, LLC



Curt Duke, M.A., RPA
President/Principal Archaeologist

Attachments:

1. Project Maps
2. Project Photographs

ATTACHMENT 1

PROJECT MAPS

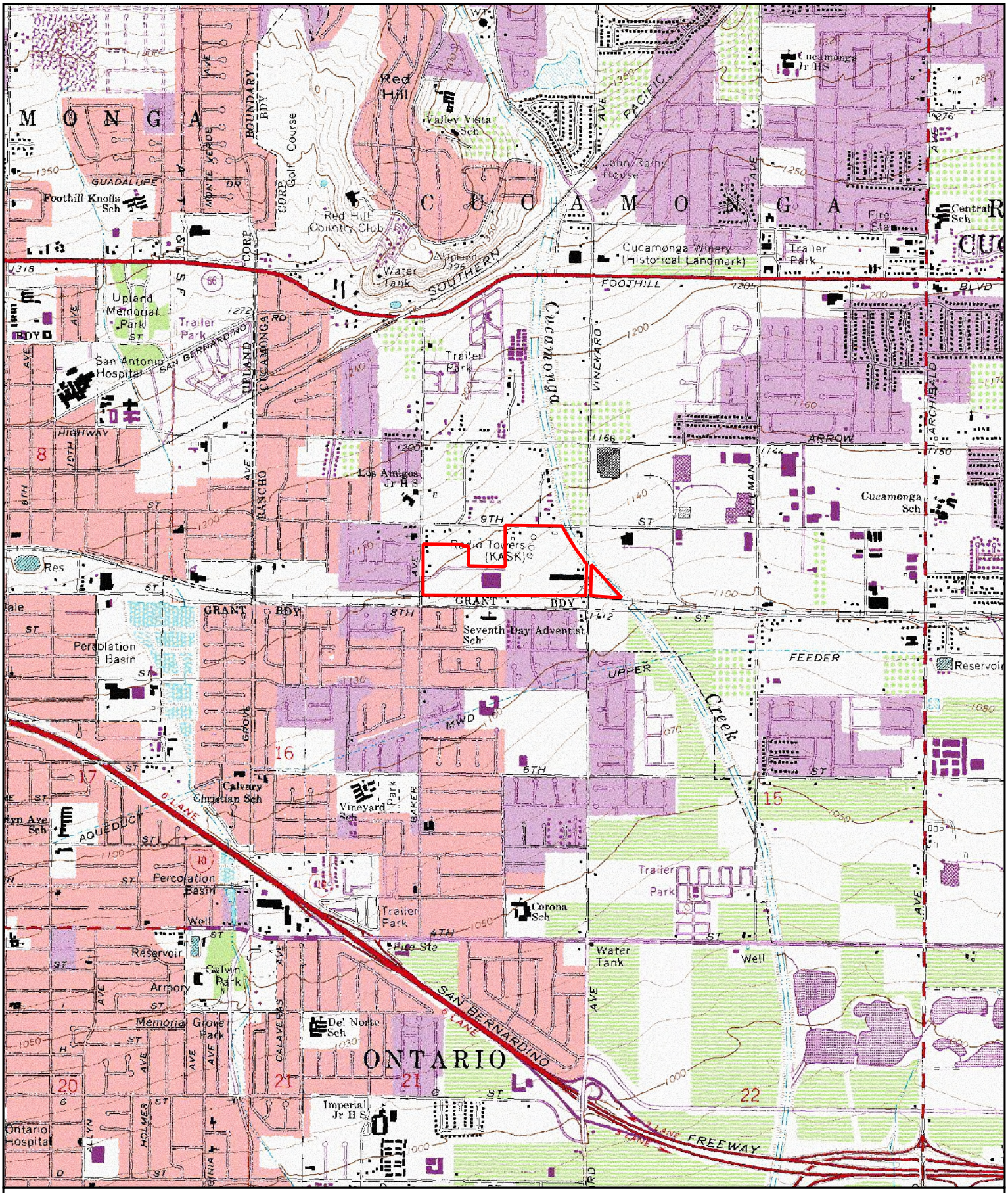


Figure 1 - Project Location
9th & Vineyard Development Project, C-0326

DUKE CRM

Project Location

0 2000 4000 ft

1 inch = 2,000 feet 1:24,000

N

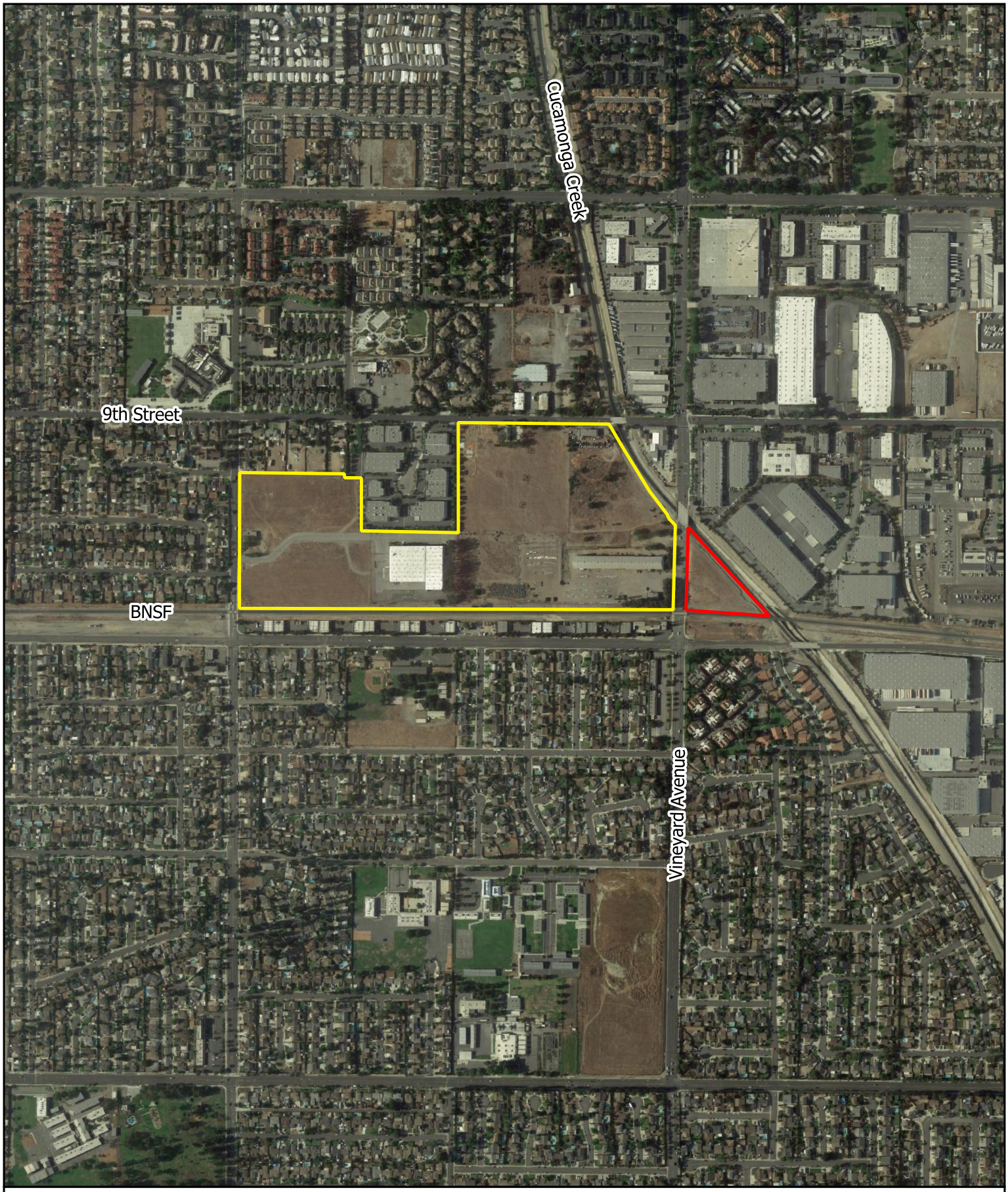


Figure 2 - Project Aerial
9th & Vineyard Development Project, C-0326

DUKE CRM

Current Survey Area-2020
Previous Survey Area-2019

0 750 1500 ft
1 inch = 750 feet 1:9,000
N

ATTACHMENT 2

PROJECT PHOTOGRAPHS



Fig. 1: Project overview from southeast corner, near BNSF and Cucamonga Creek, View northwest (5/7/20)



Fig. 2: Project overview from north corner, near Vineyard Ave and Cucamonga Creek, View southeast (5/7/20)



Fig. 3: Project overview from north corner, near Vineyard Ave and Cucamonga Creek, View south (5/7/20)



Fig. 4: Project overview from Vineyard Ave, showing BNSF Railroad. Red line shows Approximate location of the storm drain. View east-southeast (5/7/20)



Fig. 5: Project overview from Vineyard Ave and BNSF Railroad. Red line shows approximate location of the storm drain. View east (5/7/20)



Fig. 6: Project overview. View west-northwest (5/7/20)

Appendix D-3

Historic Resource Assessment (McGee)

Historic Resource Assessment

8803 Baker Avenue
Rancho Cucamonga, CA 91730



Prepared for: Panattoni Development Company, Inc.

Prepared by: Kathryn McGee

April 26, 2019, Revised June 23, 2021

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I. INTRODUCTION AND EXECUTIVE SUMMARY

This historic resource assessment evaluates the parcel located at 8803 Baker Avenue in Rancho Cucamonga, California (Assessor Parcel Number 0207-271-40, hereinafter referred to in this report as "subject property"). The subject property contains one residential building constructed in 1952-1953. The current property owner is planning a project involving redevelopment of a larger area of land encompassing multiple parcels and including the subject property. An historic resource assessment is needed in order to determine if historical resources are present for purposes of California Environmental Quality Act (CEQA) and local project review.

The subject property has been previously evaluated for potential significance. It was nominated as a City of Rancho Cucamonga Historic Landmark in 2014, found eligible as a local landmark for potential association with local builder Konstanty "Steve" Stys (1894-1961) who is known to be an important person in local history, and as a good example of Folk Architecture constructed with unique materials.[1] The request for designation was withdrawn and the designation did not move forward. The subject property was evaluated a year later in an Historic Building Evaluation report prepared by CRM Tech, dated May 19, 2015.[2] That report included evaluation of both the subject property and 8817 Baker Avenue, which has since been demolished, and found both properties ineligible as historical resources under CEQA. However, a peer review of the CRM Tech report, prepared by LSA Associates, Inc., dated August 5, 2015, disagreed with the CRM Tech findings and asserted eligibility of 8803 Baker Avenue for local designation for potential association with Stys, and as a good example of Folk Architecture using salvaged building materials.[3]

This report provides a comprehensive evaluation, finding the property significant as an important and rare example of local Folk Architecture and for its method of construction using salvaged local materials, likely implemented with the assistance of noted local builder, Konstanty Stys. An historic context for Folk Architecture of the mid-twentieth century is included and focuses on the significance of the Pomona Valley as an important breeding ground for construction of vernacular buildings using salvaged local materials. Extant and intact examples of Folk Architecture in the area are rare. Extensive research was done to ascertain whether or not the building was constructed in association with Konstanty Stys. While anecdotal evidence suggests Stys was most likely involved, there is no written record of his participation; thus, a definitive link could not be confirmed.

Based on the above information, the subject property meets local eligibility criteria for listing as a City of Rancho Cucamonga Historic Landmark and for listing in the California Register of Historical Resources (California Register). Due to alterations, especially the loss of all original window sash, the subject property may not retain sufficient integrity for listing in the or National Register of Historic Places (National Register). It does not appear to be part of any historic district. Because it appears eligible for listing in the California Register as well as for local designation, it is an historical resource for purposes of CEQA and local project review.

This report was initially prepared on April 26, 2019 and revised on June 23, 2021.

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[1] Mayuko Nakajima, Assistant Planner, City of Rancho Cucamonga, Staff Report re Historic Landmark Designation DRC2014-00206-Dennis Myskow, submitted to Chairman of the Historic Preservation Commission, submitted by Candace Burnett, Planning Manager, April 23, 2014.

[2] CRM Tech, "Historic Building Evaluation for 8803 and 8817 Baker Avenue, City of Rancho Cucamonga, San Bernardino County, California," May 20, 2015.

[3] Casey Tibbet, Senior Cultural Resources Manager, LSA Associates, Inc., "Peer Review of the Historic Building Evaluation for 8803 and 8817 Baker Avenue, City of Rancho Cucamonga, San Bernardino County, California (May 20, 2015) Prepared by CRM TECH (LSA Project No. CRG1501)," August 5, 2015.

II. CONSULTANT QUALIFICATIONS

This report was prepared by Kathryn McGee with peer review by Jenna Snow. Ms. McGee visited and photographed the subject property on March 29, 2019.

Kathryn McGee
Ms. McGee is an architectural historian and historic preservation planner based in Los Angeles. With over twelve years of experience, she meets the Secretary of the Interior's Professional Qualification Standards in Architectural History. Ms. McGee was previously employed as a Senior Associate at historic preservation consulting firm Chattel, Inc. where she worked on the City of Rancho Cucamonga 2010 General Plan Update, managing preparation of the historic context statement and historic resource survey. She launched an independent historic preservation consulting practice in 2015. Her educational background includes a Bachelor of Arts degree in architectural history from the University of California, Santa Barbara and a Master of Urban and Regional Planning degree from the University of California, Irvine. She has also completed the Summer Program in Historic Preservation at the University of Southern California and is a LEED Accredited Professional with specialty in Neighborhood Development. Her consulting work entails writing reports for purposes of environmental and local project review; preparation of historic resource assessments and surveys; preparation of technical reports for General Plan Updates; evaluation of properties seeking or complying with Mills Act Contracts; and consultation on adaptive reuse and federal Investment Tax Credit projects.

Jenna Snow
In January 2015, Jenna Snow launched an independent historic preservation consulting practice office in Los Angeles. With over seventeen years of professional experience, Ms. Snow has a strong and broad understanding of best historic preservation practice, including federal, state, and local regulations. She has worked on a wide range of projects on both the east and west coasts, as well as internationally. Ms. Snow holds a M.S. in Historic Preservation from Columbia University and a B.A. in Fine Arts focusing on architectural history from Brandeis University. She meets the Secretary of the Interior's Professional Qualifications Standards in Architectural History. Throughout her career, Ms. Snow has authored, co-authored, and/or served as project manager for nearly 100 historic preservation projects, including a wide variety of historic resource assessments, National Register nominations, and historic resources surveys. She regularly contributes to environmental impact reports, historic preservation certification applications, Section 106 reviews and other work associated with historic building rehabilitation and preservation planning. Ms. Snow has prepared multiple National Register nominations, including the Twohy Building in San José, CA; the Beverly Hills Women's Club in Beverly Hills, CA; the Sam and Alfreda Maloof Compound in Rancho Cucamonga, CA; the Boyle Hotel/Cummings Block in Los Angeles, CA; the West Los Angeles Veterans Affairs Historic District in Los Angeles, CA, and Temple Ohave Israel in Brownsville, PA. She has completed historic resources surveys, including coauthoring historic context statements in Hollywood, Whittier, CA, and South Los Angeles. Prior to her consulting work, Ms. Snow worked for the New York City Department of Design and Construction in New York, NY, the Freedom Trail Foundation in Boston, MA, and the Neighborhood Preservation Center in New York, NY.

III. METHODOLOGY

Project methodology involved a site visit and research as described here:

Site Visit: Kathryn McGee, a Secretary of the Interior-qualified Architectural Historian, visited and extensively photographed both the exterior and interior of the building at the subject property on March 29, 2019. After walking the entirety of the property, she was given access to the interior by Michael Sizemore of Panattoni Development Company. Electricity to the property was turned off and windows were boarded at the time; the interior was dark with limited visibility. Photographs are included in Attachment C.

Aerial Photographs: Historic aerial photographs were obtained through an online database of the University of California, Santa Barbara and are included in Attachment B. Oblique historic aerials may also be available through the University of California, Los Angeles Air Photo Archive, but that archive was not open for research while this report was prepared. This is a recommended area for future research.

Building Permits: The original building permit documenting construction of the existing house in 1952-1953 is not available. Other historic building permits are available through the City of Rancho Cucamonga Building and Safety Services Department. Relevant data is referenced in this report. A table of available permit data is included in Appendix A.

Historic Property Data File: The California State Office of Historic Preservation (OHP) keeps statewide records on historic properties. Records for Rancho Cucamonga are indexed in the San Bernardino County Historic Property Data File (HPDF), but there are no entries for the subject property.[6] The property was previously evaluated in 2014 and 2015, as discussed below.

Interviews: Phone interviews were conducted with descendants of the original owners of the subject property, with Shirley Carwell (daughter of James and Jennie Carwell) and James Goody (grandson of James and Jennie Carwell), providing important information linking James Carwell to Konstanty Stys, which is discussed in this report. Shirley Carwell and James Goody stated they have historic photographs showing the property when it was first built and James Carwell in the act of construction, and will provide copies in the near future, though copies were not obtained in time for completion of this report.

Online Databases: Online databases were searched for information pertaining to the history of the subject property, including United States Federal Census, voter and death indexes, and city directory records available on *Ancestry.com,* as well as newspaper articles available on *Newspapers.com*. Relevant information is referenced in this report.

Ontario City Library, Robert E. Ellingwood Model Colony History Room: The Ontario City Library has an extensive archive of books and documents on local history, including historic city directories, and was searched for information pertaining to the history of the subject property. Relevant information is referenced in this report.

Prior Evaluations: The 2014 City staff report for historic landmark designation; 2015 evaluation prepared by CRM Tech; and 2015 peer review by LSA Associates, Inc., were reviewed and are

[6] California Office of Historic Preservation, *Directory of Properties in the Historic Property Data File, San Bernardino County,* December 3, 2007.

referenced in this report. The 2014 staff report includes photographs showing features that have since been demolished, and is included in Attachment D.

San Bernardino County Historical Archives: The San Bernardino County Historical Archives were searched for historic assessor lot and parcel books, which are available from 1895 through the early 1950s. Relevant data is referenced in this report.

Sanborn Maps: There is no Sanborn map coverage available for the subject property.

IV. REGULATORY SETTING

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts as described below.[7]

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.
B. Historic Landmarks must meet at least one of the following:
    1. It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
    2. It is or was once associated with persons important to local, California, or national history.
    3. It embodies the distinctive characteristic of a type, period, or method of construction.
    4. It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
    5. It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.
C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

Designation Criteria for Points of Historic Interest

A. The Council may designate a property as a Point of Historic Interest, if it meets the requirements applicable to Historic Landmarks under paragraph B of Section 2.24.050. Points of Historic Interest shall not be required to retain integrity from their periods of significance.
B. Designated Points of Historic Interest shall not be subject to the same restrictions applicable to designated Historic Landmarks and Contributing Resources.
C. Nothing in this Section shall be construed as limiting or foreclosing analysis of the impacts of a proposed project on a Point of Historic Interest under the California Environmental Quality Act.
D. The Commission shall maintain a current register of Points of Historic Interest for public use and information.

Designation Criteria for Historic Districts and Conservation Districts

A. The Council may designate a property or collection of properties as a Historic District if the proposed district meets the requirements of both paragraphs B and C of this paragraph

[7] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

Section.

B. Historic Districts must meet at least one of the following criteria:
    1. It has an identifiable, clear, and distinct boundary that possesses a significant concentration of structures sharing common historical, visual, aesthetical, cultural, archaeological, or architectural plan or physical development; or
    2. It demonstrates character, interest, or value as part of the development, heritage, or cultural characteristics of the community, state, or country; or
    3. It is the site of a significant local, state, or national event; or
    4. It is associated with the lives of persons important to local, state or national history; or
    5. It is identifiable as the work of a master builder, designer, architect, artist or landscape architect whose individual work has influenced the development of the community, county, state, or country.
C. Historic Districts must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, and association. Not all properties or structures in a proposed district need to retain all such original aspects, but a substantial number of such properties and structures must retain sufficient integrity to convey the historic, cultural, or architectural significance of the district. Neither deferred maintenance within a proposed district nor the dilapidated condition of its constituent buildings and landscapes shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the district's eligibility.
D. Conservation Districts: The Council may designate a property or collection of properties that do not qualify as a Historic District as a Conservation District if the proposed district has either:
    1. A distinctive, cohesive, and identifiable setting, character, or association that make it unique and an integral part of the City's identify; or
    2. A recognized neighborhood identity and a definable physical character and either high artistic value or a relationship to urban centers or Historic Districts that makes conservation of the proposed Conservation District essential to the City's history or function.

Relationship to this report: As noted above, the subject property was previously evaluated for potential significance. It was nominated as a City of Rancho Cucamonga Historic Landmark in 2014 and a City staff report was prepared for that nomination, finding the property eligible as a local landmark for potential association with Konstanty Stys, an important person in local history, and as a good example of Folk Architecture constructed with unique materials.[8] The designation did not ultimately move forward. The subject property was evaluated a year later in an Historic Building Evaluation report prepared by CRM Tech, dated May 19, 2015.[9] That report included evaluation of both 8803 and 8817 Baker Avenue, and found both properties ineligible as historical resources under CEQA. However, a peer review of the CRM Tech report, prepared by LSA Associates, Inc., dated August 5, 2015, disagreed with the CRM Tech findings and asserted eligibility of 8803 Baker Avenue for local designation for potential association with Konstanty Stys, and as a good example of Folk Architecture using salvaged building materials.[10] This report provides a fresh, comprehensive evaluation. For reasons stated in this report, the subject property

[8] Nakajima, Staff Report re Historic Landmark Designation.
[9] CRM Tech, Historic Building Evaluation.
[10] Tibbet, Peer Review.

meets eligibility criteria for designation as a City of Rancho Cucamonga Historic Landmark, though it does not appear to be a contributor to any historic district.

California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) was enacted in 1970 and offers protection for identified historical resources. In general, for purposes of CEQA and environmental review, an "historical resource" is that which has been determined eligible for listing in the California Register, or one that is designated at the local level. The term "historical resource" includes the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historical Resources (Pub Res Code SS5024.1, Title 14 CCR, Section 4850 et seq).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register (Pub Res Code SS5024.1, Title 14 CCR, Section 4852).
4. The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to 5020.1 (k) of the Public Resources Code), or identified in an historical survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Sections 5020.1 (j) or 5024.1.

Relationship to this report: For the reasons stated in this report, the subject property meets eligibility criteria for listing as a City of Rancho Cucamonga Historic Landmark as well as for listing in the California Register. Therefore, the subject property qualifies as an historical resource under CEQA.

California Register

Based substantially on the National Register, the California Register is "an authoritative guide… used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected."[11] For a property to be eligible for listing in the California Register, it must be found by the State Historical Resources Commission to be significant under at least one of the following four criteria:

[11] California Public Resources Code §5024.1(a), *http://codes.lp.findlaw.com/cacode/PRC/1/d5/1/2/s5024.1*.

1) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; or
2) is associated with the lives of persons important in our past; or
3) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values; or
4) has yielded, or may be likely to yield, information important in prehistory or history.

Also included in the California Register are properties which have been formally determined eligible for listing in or are listed in the National Register; are registered State Historical Landmark Number 770, and all consecutively numbered landmarks above Number 770; and Points of Historical Interest, which have been reviewed and recommended to the State Historical Resources Commission for listing.

The primary difference between eligibility for listing in the National and California Registers is integrity. Properties eligible for listing in the National Register generally have a higher degree of integrity than those only eligible for listing in the California Register. There is, however, no difference with regard to significance.

Relationship to this report: The subject property is not listed in the California Register. For the reasons stated in this report, the subject property appears eligible for listing in the California Register.

National Register

The National Register of Historic Places is "an authoritative guide to be used by federal, state, and local governments, private groups, and citizens to identify the nation's cultural resources and indicate what properties should be considered for protection from destruction or impairment,"[12] Administered by the National Park Service, the National Register is the nation's official list of historic and cultural resources worthy of preservation. Properties listed in the National Register include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archaeology, engineering, and culture. Resources are eligible for the National Register if they meet one or more of the following criteria for significance:

A) are associated with events that have made a significant contribution to the broad patterns of our history; or
B) are associated with the lives of significant persons in our past; or
C) embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D) have yielded or may be likely to yield, information important in history or prehistory.[13]

Once a resource has been determined to satisfy one of the above criteria, then it must be assessed for "integrity."[14] Integrity refers to the ability of a property to convey its significance. Evaluation

[12] *National Register Bulletin #16A: How to Complete the National Register Registration Form*, National Park Service, 1997.

[13] *National Register Bulletin #15, How to Apply the National Register Criteria for Evaluation*, National Park Service, 1990, revised 2002.

[14] Ibid.

of integrity is based on "an understanding of a property's physical features and how they relate to its significance." The National Register recognizes seven aspects or qualities of integrity: location, design, setting, materials, workmanship, feeling, and association. To retain integrity, a property must possess several, and usually most, of these aspects.

Relationship to this report: The subject property is not listed in the National Register. For the reasons stated in this report, the subject property does not appear to retain sufficient integrity for listing in the National Register, due to alterations.

V. PROPERTY DESCRIPTION AND HISTORY

Physical Description

Site
(Attachment A, Current Maps and Aerials; Attachment C, Current Photographs.)
The subject property is located at 8803 Baker Avenue in Rancho Cucamonga, California. Bordered by 9th Street to the north, Vineyard Avenue to the east, 8th Street, a railway (formerly the Atchison Topeka and Santa Fe Railway) to the south, and Baker Avenue to the west, the subject property consists of one parcel and contains one single-family home. Surrounding properties consist of a large area of undeveloped land immediately north, east and south, though there are housing tracts across the street to the west. The single-family home is set back from the street by a front yard with curved low walls incorporating bricks, concrete, and stone, and low brick and concrete posts that are remnants of fence. Landscaping has generally been removed, though there are some scattered trees.

Exterior



Fig 1 (left): Subject property, west elevation (center) and south façade (right), view northeast (McGee, 2019); Fig 2 (right): Subject property, west elevation, detail of concrete rubble exterior wall material, view west (McGee, 2019)



Fig 3 (left): Subject property, west elevation (center) and south façade (right), detail of telephone pole roof construction, view northeast (McGee, 2019); Fig 4 (right): Subject property, low wall located west of house in front yard, view southeast (McGee, 2019)

The building at the subject property is oriented facing south. It is one-story high and rectangular in plan with a flat roof, deep eaves, and side chimney. The building is low-slung with a sense of horizontality emphasized by the relationship of the simple massing to the flat roof. Composed of salvaged materials, the building can be described as an example of Folk Architecture. Exterior walls are made of a combination of concrete rubble mixed with stone and brick in some places,

often formed to appear as individual bricks, while the roof beams are made of telephone poles creating a deep canopy extending over a full-width south facade porch as well as over a portion of the north elevation. Door and window openings are recessed and generally boarded up, though inspection of windows from the interior reveals sash and glazing have all been removed. Windows have concrete slip sills.

The primary, south facade is asymmetrical in composition. The main entrance is roughly centered in the elevation, although there is another secondary door to the west. Former window openings include a large opening west of the secondary door, and a smaller opening between the doors and at the east end of the elevation. The full front porch consists of a simple concrete slab accessed by three concrete steps.

The north, rear elevation is also asymmetrical in composition and contains, from east to west, a former window opening, a smaller opening, a secondary door, and a large opening corresponding to the living room. The east elevation contains a central outdoor chimney flanked by former window openings. The west elevation does not contain any former window openings, though it contains a wide central chimney. The chimney has a low, boarded opening, presumably for a vent, in its north half.

Interior




Fig 5 (left): Subject property, interior, living room, view northwest (McGee, 2019); Fig 6 (right): Subject property, interior, living room, fireplace, view northwest (McGee, 2019)

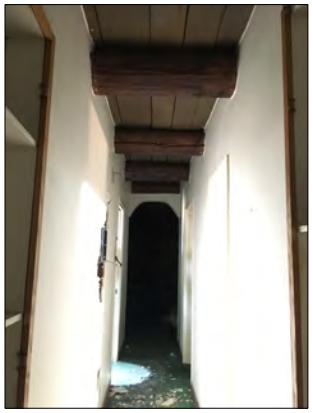



Fig 7 (left): Subject property, interior, hallway looking toward living room, view west (McGee, 2019); Fig 8 (right): Subject property, interior, bedroom (typical) (McGee, 2019)

The interior is generally in a state of disrepair with debris scattered in all rooms. The electricity is currently turned off and windows are boarded, so the interior is dark, making visibility and

photography difficult. Original telephone pole and wood beam ceilings are visible throughout. The main entrance provides access into a kitchen, where there are built-in wood cabinets, as well as a tile floor and tile backsplash on walls, which appears to be contemporary. The north wall of the kitchen opens into a central, carpeted hallway running east-west, which accesses a living room at the west end of the house through an arched opening; a closet and a bathroom to the north in the center of the house; and two bedrooms at the east end of the house. In the living room, the west wall is made of concrete incorporating stones of varying sizes and colors, encompassing a fireplace at the center, with brick inside the shaft and a small low opening for ventilation to the north, covered by a pair of wood swinging doors. In a phone interview with Shirley Carwell, the adult daughter of the original owners, James and Jennie Carwell, information was provided regarding family photographs that are integrated into the fireplace artwork. However, it is difficult to tell if that artwork is extant; further investigation into this topic is needed. Off the central hallway, the aforementioned closet has built in wood cabinets along its west wall, which are badly damaged, with many of the wood and glazed cabinet doors broken. The bathroom has contemporary tile covering walls; all fixtures and finishes are badly damaged. The bedrooms feature built-in closets, which are also damaged. Shirley Carwell also described a basement under the master bedroom, which was not toured at the time of the site visit.

History

History of Construction and Alterations
(Appendix A: Table of Building Permits; Attachment B, Historic Maps and Aerials)
The subject property is located just north of the Santa Fe Railway and about 2.5 miles southwest of the historic center of the Town of Cucamonga. Originally part of a tract of land known as Cucamonga Fruit Lands, the subject property once encompassed fifteen acres with orange and lemon groves when purchased by James Carwell (1918-2014) and Jennie Perona Carwell (born c. 1919) in 1947 (biography below). The Carwells constructed the existing house at 8803 Baker Avenue in 1952-1953, as well as an adjacent residence located immediately to the south at 8817 Baker Avenue, also in the early 1950s. They lived at 8803 Baker Avenue with their children for about fifteen years, while they rented out the other house, and farmed the orange and lemon groves. Historic aerial photographs show the property surrounded by agricultural land.



Fig 9: Historic aerial photograph showing the subject property, outlined in red, and its environs in 1953 (Source: UCSB Aerial Photograph Collection)

There is no original building permit available documenting construction of the house in 1952-1953. However, it is known that James Carwell designed and constructed the house using salvaged local materials, such as concrete rubble and telephone poles.[15] Working as a butcher, James Carwell did not have professional training in architecture or building. However, artistry is evident in Carwell's work. He incorporated artwork with images of the family into design of the fireplace (unknown if said artwork is extant). Photographs taken of the property in 2014 show artistic integration of materials into low rubble and rock walls surrounding a pool and serving as fencing, as well as a rock monument in a corner of the back yard (not extant).[16] It should also be noted the house was designed with a basement under the master bedroom where the Carwell family would often store wine for and made by friends who lived locally and worked as winemakers (basement was not toured on site visit).[17]

The artistry and distinctive use of materials is very similar to that of important local buildings designed and constructed by local builder Konstanty "Steve" Stys, especially the National Register-of Historic Places-listed Russian Village historic district in Claremont, and the building that now houses the Cask 'n Cleaver restaurant in Rancho Cucamonga. In the early 1950s when the Carwell's designed their house, Stys lived nearby, building his house and the restaurant that became Cask 'n Cleaver.[18] According to Shirley Carwell, Stys was a friend of her father and her family would often have parties at Stys' restaurant. According to James Goody, his grandfather mentioned getting ideas from a local man who showed him how to build, though Goody didn't know the name of the man, nor if it was Stys. From the National Register nomination for the Russian Village, it is known that Stys often helped other local individuals with advice on how to design and build their homes using salvaged local materials. He did not design and build all of the houses in the Russian Village himself. Thus, it is highly likely Stys at a minimum gave advice to James Carwell on the construction of his home, given the fact that the two were friends, lived close by each other, and constructed similar buildings around the same time in the same neighborhood.

The Carwells made other improvements to the property. They construed the aforementioned second residence in the early 1950s, a 1,200 square-foot wood frame and stucco house located at 8817 Baker Avenue (demolished). They rented out that house, though it was sometimes occupied by relatives. The Carwells also improved the property with a swimming pool east of the house in 1956, and with addition of a covered patio along the east elevation in 1958. They continued to live there until James Carwell got a new job as a meat inspector, and he and Jennie sold the property and moved away.

Title transferred to Charles H. Lescault and Donna J. Lescault in 1969 (biography below). The Lescaults do not appear to have made major changes to the property. Upon their divorce in 1973, they sold the property to Cucamonga fireman Dennis Myskow (biography below). Myskow lived there and constructed a freestanding workshop building the same year. He also constructed a substantial addition of 13 ½'x32' along the north elevation in 1977. Other known improvements included reroofing the building in 1995 and installation of roof-mounted photovoltaic panels in 2015. Several improvements were demolished in 2016, including the pool, covered patio, freestanding workshop, north elevation addition, as well as the house at 8817 Baker Avenue.

[15] Shirley Carwell, phone interview.
[16] Nakajima, Staff Report re Historic Landmark Designation.
[17] Ibid.
[18] Konstanty Stys and Antonia Stys lived at 8689 9th Street in 1954 ("Konstanty Stys," *Lusky's Official Greater Ontario Criss-Cross City Directory,* Santa Ana: The Directory Service Co., 1954: 160.)

The setting of the subject property changed dramatically over time, as land formerly used for agriculture was rapidly redeveloped with tracts of single-family homes through the 1970s (see *Attachment B, Historic Maps and Aerials).* Widespread development and need for shared resources ultimately led to the City's incorporation in 1977, consolidating the three towns of Cucamonga, Alta Loma, and Etiwanda into one municipality. By that time, the citrus groves had been removed from the land surrounding the subject property; surrounding parcels to the north, south, and west have largely been developed with single-family homes.

Photographs of subject property in 2015, prior to removal of north elevation addition, east elevation covered patio, and front yard fencing:





Fig 10 (left): Subject property, west elevation, showing north elevation addition (at left), view east, 2015
Fig 11 (right): Subject property, south façade and front yard, view northeast, 2015 (Source for both figures: CRM Tech, 7.)

Summary of Alterations

The following summary of alterations is compiled based on available building permits (see *Appendix A, Table of Building Permits*) and visual inspection. Alterations to the subject property since 1952-1953 include: addition of the adjacent residence at 8817 Baker Avenue (early 1950s); addition of swimming pool (1956); addition of covered patio along east elevation (1958); addition of freestanding workshop (1973); addition of a 13½' x 32' room along the north elevation (1977); reroofing (1995); installation of roof-mounted photovoltaic panels (2015); demolition of adjacent residence at 8817 Baker Avenue (2016); demolition of the east elevation covered patio, north elevation addition, freestanding garage, swimming pool, front yard fencing, site walls, and paving, and disconnection and capping of all utilities (all in 2016).

History of Owners

The history of owners is based on chain of title and historic lot books of the San Bernardino County Assessor. All available data is included in *Appendix A: Table of Owners*.

James Carwell and Jennie P. Carwell

James Carwell (1918-2014) and Jennie Perona Carwell (born c. 1919) owned the subject property from 1947-1969. James was born in Rancho Cucamonga, while Jennie was born in Pennsylvania. The couple "met in Cucamonga (before the Rancho) in a grape vineyard under a pepper tree at lunchtime," marrying in 1937 in San Bernardino.[19] James and Jennie had two daughters, Elsie and Shirley. Prior to moving to the subject property, the Carwells lived in Corona and Ontario.[20] After purchasing the subject property in 1947, they constructed their home there using salvaged local materials. They lived there with their children for about fifteen years. During that period, James

[19] "Couple Celebrates 70 Years Together," *Riverbank News,* February 28, 2007: 20.
"Marriage Licenses Issued," *The San Bernardino County Sun,* February 24, 1937: 10.

[20] "James Carwell," Records of the Selective Service System, 147; Box: 291, U.S. WWII Draft Cards Young Men, 1940-1947.
"James Carwell," *Ontario (California) City Directory 1951, Including Upland, Chino, Alta Loma, Cucamonga and Etiwanda,* Los Angeles Directory Co*,* 1951: 435.

worked in the meat business, at C.K. Packing Company on Chaffee Street in 1955[21] and Klapp Packing Co. on Euclid Avenue in Ontario in 1960.[22] He also worked "doing such jobs as chauffer, grape picker, butcher, State Meat Inspector and finally end[ed] his career as a Federal Meat Inspector."[23] Jennie worked as a homemaker. Shirley and Elsie would often pick fruit from the citrus groves and sell it in the neighborhood.[24] After selling the subject property in 1969, James and Jennie lived throughout California, retiring to Riverbank in the late 1980s. James Carwell continued to work on arts and crafts as a hobby. A 2002 newspaper article about a yard sale he hosted notes, "Carwell is retired and spends much of his time refinishing furniture, converting old tea pots and coffee urns to lamps, and making swag or hanging lanterns decorated with Brazilian agate."[25]





Fig 12 (left): James and Jennie Carwell, 2007 ("Couple Celebrates 70 Years Together," *Riverbank News,* February 28, 2007: 20.)
Fig 13 (right): James Carwell, 2002. Caption: "High Street resident Jim Carwell shows off a coffee pot converted to a lampstand which he offered in Saturday's yard sale conducted throughout Riverbank. Carwell is retired but keeps busy making things. The table displays more of his work, including lanterns faced with tiles of Brazilian agate…" (John Branch, "Successful Year for Yard Sale," *Riverbank News,* June 5, 2002: 1.)

Charles H. Lescault and Donna J. Lescault

Charles was born about 1936 in California.[26] The son of a feed salesman, he married Donna J. Billings (born c. 1940) in 1963 and the couple lived in Riverside.[27] After relocating to Ontario in 1964,[28] the couple ultimately purchased the subject property in 1969. They divorced in 1973,[29] and title to the property transferred to Dennis F. Myskow, who owned it until 2015.

Dennis Francis Myskow and Marilyn A. Myskow

Dennis F. Myskow (born in 1947)[30] and Marilyn A. Romig (born in 1952) [31] married in 1973 in San Bernardino.[32] The couple purchased and moved into the subject property the same year.

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[21] Company dissolved by 1957 ("Attempt to Cash $8,500 Check Brings Arrest," *The San Bernardino County Sun,* December 9, 1955: 20; "Two Men Charged With Grand Theft," *The San Bernardino County Sun,* February 7, 1957: 17.)

[22] "Raiding Dogs Attack Sheep in Stockyard," *The San Bernardino County Sun,* December 28, 1960: 18.

[23] "James Carwell," *findagrave.com.*

[24] Shirley Carwell, phone interview.

[25] John Branch, "Successful Year for Yard Sale," *Riverbank News,* June 5, 2002: 1.

[26] "Charles H. Lescault," *1940 United States Federal Census,* Census Place: Riverside, Riverside, California; Roll: m-t0627-00278; Page: 61B; Enumeration District: 33-54.

[27] "Charles H. Lescault," California Marriage Index, 1960-1985.

[28] "Charles H. Lescault," California; Great Register of Voters, 1900-1968, Residence Year 1964.

[29] "Charles H. Lescault," California, Divorce Index, 1966-1984.

[30] "Dennis F. Myskow," U.S. Public Records Index, 1950-1993, Vol. 1.

[31] "Marilyn A. Myskow," U.S. Public Records Index, 1950-1993, Vol. 1.
"Romig and Myskow Bethrothal Revealed," *Progress Bulletin (Pomona, California),* December 25, 1972: 55.

[32] "Dennis F. Myskow," California, Marriage Index, 1960-1985.

Marilyn graduated from the Dental Assisting program at Chaffey College in 1973. Dennis graduated from Chaffey College with a degree in automotive, served 2 ½ years with the Army, and was employed for many years by the Cucamonga Fire District. In 1980, he was an engineer with the Foothill Fire Protection District of the Rancho Cucamonga fire department.[33] He was a Fire Captain in 2003.[34] He remarried to Michele L. Myskow around 2007 and sold the subject property in 2015 to the Nevin Scheu Trust, Allyn Scheu Family Limited Partnership, and Allyson Scheu McQuade Property Trust.

[33] "Life-Saving Training, Firemen Rip Apart Cars," *The San Bernardino County Sun,* October 22, 1980: 36.
[34] "Students Give Firefighters A "Heart Attack," *The Los Angeles Times,* December 12, 2003: 71.

VI. HISTORIC CONTEXT

City of Rancho Cucamonga

The following overview of the City of Rancho Cucamonga's developmental history is excerpted from relevant sections of the City's historic context statement, prepared as part of the 2010 General Plan Update.[35]

> Context: Early Settlement (1811-1876)
> Originally inhabited by Indian tribes, the City of Rancho Cucamonga has been a center of land development opportunity since Franciscan priests and Spanish soldiers entered and began their occupation of the area in the late 18th century. The name "Cucamonga," a Shoshone word for "sandy place," first appeared in a written record of the San Gabriel Mission dated 1811. As a result of the secularization of the missions in 1831, the land owned by the missions was divided into land grants, including the 13,000 acre Rancho Cucamonga, granted to Los Angeles City Council president and businessman Tiburcio Tapia in 1839. The Rancho Cucamonga was defined by El Camino Real on its southern border, the San Gabriel Mountains to the north, the San Antonio Creek to the west and present-day Etiwanda Avenue to the east. Tapia built his home on the top of visually prominent Red Hill, planted some of Rancho Cucamonga's first vineyards, and built a small winery, which would later be enlarged and reestablished as the Thomas Winery in 1933 and then again as the Filippi Vineyards winery in 1967.[36] Portions of the historic winery buildings, located at the northeast corner of Foothill Boulevard and Vineyard Avenue, are currently being reused for commercial purposes.
>
> Upon the death of Tapia in 1845, Tapia's daughter, Maria Merced Tapia de Prudhomme, became the sole heir of the Rancho Cucamonga. Maria Merced's husband, Leon Victor Prudhomme, assumed control of the rancho and eventually sold it to John Rains in 1858. Rains significantly expanded the vineyards, planting approximately 125,000 to 150,000 vines. He was found murdered in 1862 and soon after his death, his widow, Dona Maria Merced Williams de Rains, inherited the ranch property. She encountered financial problems and the property fell into foreclosure, ultimately marking the close of the rancho way of life in the Cucamonga region.
>
> Context: Railroad and Agriculture Development (1887-1970)
> Theme: Town Development: Cucamonga, Alta Loma, and Etiwanda (1887-1945)
> Construction of railroads through the Cucamonga Valley allowed for tremendous growth of the local agriculture industry, the success of land sales, and subsequent development of the towns of Cucamonga (including the North Town neighborhood), Alta Loma and Etiwanda. Similar to other Southern California boomtowns,[37] construction of railroads through the region created a rapid increase in local development, enabling both people and goods to move in and out of Rancho Cucamonga at what was for the time an unprecedented speed, which dramatically increased agricultural production and sales.

[35] Chattel Architecture, Planning & Preservation, Inc., "City of Rancho Cucamonga Historic Context Statement, prepared for the City of Rancho Cucamonga 2010 General Plan Update, rev March 4, 2010: 3-4; 7; 15-17.

[36] Donald L. Clucas, *Light Over the Mountain,* Upland: California Family House Publishers, 1979: 70.

[37] Rail lines built in Southern California created a huge population boom in the region. The City of Los Angeles grew from 6,000 to over 50,000 people in the 20-year period from 1870 to 1890. The majority of cities incorporated in the Los Angeles area in the late 1800s experienced early growth due to availability of railways. (David Brodsly. "L.A. Freeway, An Appreciative Essay," Berkeley: University of California Press, 1981: 63; 68-69).

From the early 1900s to the 1950s, the northern portion of the City's landscape consisted of mostly citrus groves while the southern portion was dominated by vineyards.[38]

Context: Postwar Development (1945-1977)

Following World War II, Rancho Cucamonga's landscape began to shift from a rural to suburban environment, reflecting the nation-wide trend toward decentralization of the city. Driven by rapid highway construction, increasing automobile ownership, availability of modern building technologies, and the Baby Boom, the postwar period brought about an increase in housing demand and rising land values, spawning development of tract housing and light industry in Rancho Cucamonga on land previously used for agriculture.[39] After World War II and prior to incorporation in 1977, the City "experienced uncontrolled growth."[40] It ultimately became a sprawling suburb, with tract housing, neighborhood-scale shopping centers, office parks, and surface parking proliferating throughout the City, aiming to meet the needs of nearby residents while accommodating automobiles. Underscoring the dramatic increase in local development occurring postwar, in 1979, prominent local developer Lewis Homes (founded 1955 by Ralph and Goldy Lewis), announced sales of 533 single-family Inland Empire homes in the first nine months of the year, not including sales of commercial and multi-family developments.[41]

Historic aerial photographs of the City indicate that postwar tract housing was frequently inserted into plots of land formerly used for agriculture (fig 44).[42] Many such tracts represent the curvilinear residential suburb model that had become the nationwide standard for neighborhood design by the late 1940s (fig 43).[43] Characterized by curving streets as opposed to an orthogonal grid, this model was ideally interspersed with neighborhood parks, landscaping, and trails, with a small handful of housing models repeated throughout the tract. Standardization and large-scale production of housing stock allowed many homes to be built quickly and at a low cost, meeting the postwar demand for Veteran housing and accommodations to meet the needs of the continually growing population. As lands once occupied by agricultural uses were needed to accommodate this new pattern of development, the citrus groves and vineyards that had once characterized rural local landscape in Rancho Cucamonga eventually gave way almost entirely to suburbanization. Rising land values, coupled with pressure from realtors to sell land for residential development made it increasingly difficult for farmers to continue using their land for agriculture when it was worth more developed with housing.[44]

While a survey of all postwar housing in Rancho Cucamonga has yet to be performed, the City is home to several early postwar tracts, some of which retain a strong sense of time and place and as such should be considered for their historic significance as an intact grouping of postwar homes. For example, the housing tract located northwest of the historic town center of Cucamonga, bounded by Hellman Avenue to east and San Bernardino Road to the South, centering on Selma Avenue, Harvard Street and Montara

[38] Bob Hickcox, Rancho Cucamonga Oral History Project, Interview by Knox Mellon,13 Dec 1991, Introduction.

[39] David L. Ames and Linda Flint McClelland, "Historic Residential Suburbs: Guidelines for Evaluation and Documentation for the National Register of Historic Places," U.S. Department of the Interior, National Park Service, Sept 2002: 25.

[40] City of Rancho Cucamonga, "Rancho Cucamonga: A Tradition of Vision," undated brochure, 5.

[41] "Lewis Homes Hits $52.6 Million in Sales," Los Angeles Times, 13 Oct 1979: OC_C8.

[42] Robert DeBerard, Personal Interview, *Rancho Cucamonga Oral History Project,* Interviewers: Margo McBane and Margaret Finnegan, 7 June 2001, Transcript p. 13; 29.

[43] Ames and McClelland, 51.

[44] Ames and McClelland, 51.

Avenue (Cucamonga Vineyard Tract Subdivision B, Tract No. 5576, figs 43-48; see figs 49-51 for additional examples) appears to be a relatively intact example of postwar tract housing, with the majority of the houses in the tract organized along curvilinear streets culminating in cul-desacs, retaining original Swiss Chalet architectural features, street set-backs, and general sense of time and place as a collection of early postwar housing. Although tract housing was not beginning to be developed on a large scale in Rancho Cucamonga until the 1950s, development of housing tracts on local agricultural lands was sparked as early as 1942, when Kaiser Steel Mill began operations in nearby Fontana.[45] Initially producing steel to aid the war effort, Kaiser Steel Mill was the ninth-largest steel production facility in the country by the late 1950s, employing 7,700 workers at its peak in production.[46] This new industry helped spark regional growth, necessitating an increase in local housing stock for Steel Mill workers. Farmers received pressure to sell agricultural land from realtors who wanted to develop land for much needed Steel Mill worker housing.[47] Kaiser Community Homes, one of the many successful enterprises started by Henry J. Kaiser, developed many postwar housing tracts in the Inland Empire and nationwide.[48] In 1946, Henry Kaiser announced that his company would build more than 10,000 low-cost homes throughout the nation, beginning in Southern California and working towards the east coast.

While competition from imported steel suppliers and stricter air quality regulations gradually crippled Kaiser Steel Mill's business, closing operations in the 1980s, availability of low cost land throughout the Inland Empire continued to attract development to the area.[49] By 1995, the Inland Empire had become an attractive location for large warehouse construction, with large-scale "big box" retailers such as Home Depot and Wal-Mart setting up warehouses and distribution centers throughout the area at a much cheaper rate than would have been available in Los Angeles. Warehouses for manufacturing and metal fabrication also proliferated throughout the region, further enhancing need for large quantities of affordable housing in Rancho Cucamonga, although the majority of warehouses were constructed in Mira Loma, Rialto and Fontana.[50]

Also important in influencing postwar suburbanization in Rancho Cucamonga was increasing employment and transportation options offered by expansion of the nearby Ontario International Airport (originally Ontario Airport). In 1942 the United States government allocated Works Progress Administration funding to improve the existing dirt runway at the Ontario Airport to two paved runway for Army and Army Air Corps operations. At close of the war in 1945, airport operations lessened for a time, although the airport became Ontario International Airport in 1946. In 1949 airlines began offering regular passenger service into and out of the airport. Beginning in 1951, military

[45] Kaiser Steel was one of many successful businesses started by Henry J. Kaiser, "a prominent Los Angeles industrialist [who]established Kaiser-Permanente medical services in Los Angeles in the 1930s and founded Kaiser Industries. Kaiser Industries owned and operated a number of subsidiary raw materials plants, including Kaiser Metal Products, Kaiser Steel, Kaiser Aluminum and Chemical, and the Permanente Cement Company. Kaiser had earlier experience in large-scale low-cost housing, having participated in the construction of 800 units surrounding the Kaiser steel plant in Fontana. He also experimented with prefabricated Kaisercraft homes. [Fritz B.] Burns, [a successful Los Angeles developer] combined his expertise in land development and community building with Kaiser's corporate assets and access to raw materials to establish Kaiser Community Homes." (Historic Resources Group, California Department of Parks and Recreation 523d district record, Panorama City Historic District, 20 May 2002: 5.)

[46] Rob Leicester Wagner, *Sleeping Giant: An Illustrated History of Southern California's Inland Empire,* Las Vegas: Stephens Press, 2005: 111.

[47] Robert DeBerard, Transcript p28.

[48] DeBerard, 24.

[49] Wagner, 111.

[50] Wagner, 113.

operations at the airport resumed, using the airport for California Air National Guard operations for the Korean War. Various airport improvements and runway extensions took place through 1962. Airport traffic increased steadily over the years and in 1998 new terminals opened. By 2000, the airport had 6.7 million annual passengers, generating more than 55,000 jobs in the region.[51]

Context: Consolidation and Incorporation (1977-2010)
Encouraged by the initial boom in land values and development, Rancho Cucamonga colonists began discussing the possibility of incorporating the three towns of Cucamonga, Alta Loma and Etiwanda as early as 1887. Despite attempts at consolidation over the years, it was not until much later that this dream was realized. The City of Rancho Cucamonga was finally incorporated in 1977, consolidating Cucamonga, Alta Loma, and Etiwanda into one municipality, reaching a milestone sought after by local residents for nearly one hundred years. Incorporation halted the uncontrolled growth that had been occurring in the area and provided numerous other benefits, including increased park and recreation opportunities, improvements to existing neighborhoods, construction of new neighborhoods, and advances in local economic development. The three historic towns became part of the larger whole, providing opportunities for growth and improvement but also absorbing the character of each town center. As a result, the City has before it the opportunity to plan for the benefit of the City at-large while also continuing to recognize the historic communities from which it came.

Folk Architecture

Overview
Folk Architecture is a subset of vernacular architecture and refers to buildings designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. Folk Architecture is by nature common, perhaps only known to locals, and may not always be considered important by historians focused on the "high art." Nevertheless, as early as 1964, the significance of this form of building was recognized by the Museum of Modern Art in an exhibit publication entitled, *Architecture Without Architects: An Introduction to Non-Pedigreed Architecture,* in which Bernard Rudofsky underscores the difficulty with evaluation of the style:

> It is so little known that we don't even have a name for it. For want of a generic label, we shall call it vernacular, anonymous, spontaneous, indigenous, rural, as the case may be. Unfortunately, our view of the total picture of anonymous architecture is distorted by a shortage of documents, visual and otherwise.[52]

In the post-World War II period, there was a resurgence of American arts and crafts in general, due to multiple factors, such as the massive expansion of colleges and arts programs; the consumerism of the postwar era, which supported the rise of crafts;[53] and, the growth of imports in the 1960s allowing folk crafts from other countries to become available, resulting in a worldwide approach to evaluating crafts.[54] The Pomona Valley became an important center for the arts during this time period, providing "the perfect storm of proximity, isolation and college-

[51] Wagner, 137.
[52] Bernard Rudofsky, *Architecture Without Architects: An Introduction to Non-Pedigreed Architecture,* New York: Museum of Modern Art, 1964: preface, paragraph 1.
[53] Janet Koplos and Bruce Metcalf, *Makers: A History of American Studio Craft*, Chapel Hill: The University of North Carolina Press. 2010: 181-182; 255.
[54] Koplos and Metcalf, 378.

town community," allowing for the success of local artists.[55] The establishment of arts programs at local colleges engendered the growth of the local arts community which focused on handcrafted arts, in opposition to the post-World War II mass production and consumption of goods that had become prevalent across the country at the time. Internationally renowned woodworker Sam Maloof (1916-2009) established his woodworking business in Rancho Cucamonga during this time and made his home an important gathering place for local artists of the Pomona Valley, stimulating growth of that community.[56]




Fig 25 (left): Maloof Compound, exterior; Fig 26 (right): Maloof Compound, interior, carpentry workshop (Source, both figures: Chattel, Inc., National Register Registration Form, 2010)

Local Examples of Folk Architecture

The most relevant example of Folk Architecture to evaluation of the subject property is the Russian Village, a collection of fifteen, single-family, private homes in the neighboring City of Claremont, which were designed and constructed from 1923-1938 by a Polish immigrant and carpenter, Konstanty "Steve" Stys (1894-1961),[57] and other local individuals, using salvaged and local materials, specifically concrete rubble similar to that which is used at the subject property, and local stone.[58] The Russian Village was listed in the National Register in 1977; the nomination form provides the following background on its design and construction:[59]

> There is no evidence that Stys had any formal training in architecture. In fact, he had only a grade school education. The houses in the Russian Village were not built according to plans, but in an ad hoc manner, and belonged to a category of American domestic building which might well be called "folk architecture".[60]

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[55] Harold B. Nelson, *The House that Sam Built,* San Marino: The Huntington Library Press, 2011: 6.

[56] Maloof's career in woodworking began with work for Bauhaus-trained industrial designer, Harold Graham, and as a graphic designer and studio assistant for artist Millard Sheets. Maloof became a woodworker in 1948, establishing his first workshop. He is known for hand-crafted furniture, especially rocking chairs, and constructed his own residence and workshop buildings beginning in 1956 and adding to the property over decades. His personal philosophy engendered growth of local community; as one biographer writes, "His refusal to make furniture for the mass market and his insistence on maintaining a direct relationship with his clients are as much about community as they are about craftsmanship." Maloof's woodworking was featured in an exhibit at the Smithsonian Institute in Washington D.C. in 1970. The Maloof compound was originally located at 9553 Highland Avenue and moved to an approximately 5.5-acre site located at 5131 Carnelian Street in 1999-2000 to allow for construction of the State Route-30 freeway extension. The property was listed in the National Register in 2010 for association with Maloof and for exceptional architectural merit of the house and studio (Chattel, "Sam and Alfreda Maloof Compound," National Register Registration Form, Sect. 8, p. 17--23; Harold B. Nelson, *The House that Sam Built,* San Marino: The Huntington Library Press, 2011: 6-7.).

[57] "Konstanty J. Stys," *1930 United States Federal Census,* Census Place: Pomona, Los Angeles, California; Page: 11A; Enumeration District: 1464; FHL microfilm: 2339909.

"Konstanty Stys," Oak Park Cemetery, Claremont, Los Angeles County, California Tombstone Project, *http://files.usgwarchives.net/ca/losangeles/cemeteries/oakpark-s.txt*, accessed April 22, 2019.

[58] David Gebhard and Robert Winter, *An Architectural Guidebook to Los Angeles,* Salt Lake City: Gibbs Smith, rev 2003, Kindle Version, Location 6355.

[59] Leo M. Snowiss, Co-Chairman, Historic Russian Village Neighborhood Association, "The Russian Village," National Register of Historic Places Inventory—Nomination Form, Statement of Significance, December 21, 1977.

[60] Bernard Rudolfsky, *Architecture Without Architects,* New York, 1964.

> The Russian Village is comprised of fifteen private homes, either built by Stys or inspired by him, standing on both sides of one block of South Mills Avenue in Claremont and Montclair, California. The houses have a great deal of character. They are built of native fieldstone and rubble from broken-up concrete pavement slabs, roofed with tile and linked by low stone fences with iron gates. The street is shaded by elms and lined with fieldstone curbing.
>
> Konstany Stys is responsible for the aesthetic integrity of the village—both the harmony of its building materials and the plantings. He developed the larger portion during the Great Depression. Circumstances dictated its thematic unity: Stys means were limited to the creative use of salvaged and other cheap, readily-at-hand building materials. These houses stand virtually alone today, amidst a sea of tract-house sameness, the original surroundings of lemon and orange groves having disappeared in the years between…
>
> …The result is a unique community with important features worthy of historic recognition and preservation.

Current photographs showing use of concrete rubble in the Russian Village:





Fig 14 (left): Russian Village, concrete and stone walls on the east side of S. Mills Avenue in Claremont, view north (McGee, 2019); Fig 15 (right): Russian Village, 350 S. Mills Avenue, view northeast (McGee, 2019)





Fig 16 (left): Russian Village, 370 S. Mills Avenue, view east (McGee, 2019); Fig 17 (right): Russian Village, 305 S. Mills Avenue, view west (McGee, 2019)

The National Register nomination for the Russian Village describes that not all of the homes were actually built by Stys, as Stys was known for helping teach other locals to design and construct their own homes. For example, while 305 and 350 S. Mills Street were actually constructed by

Stys, 370 S. Mills Avenue was constructed by a teenage youth whose father had recently passed (pictured above).[61]

The National Register nomination asserts specific reasons for significance of the Russian Village, highlighting use of cement street rubble in homes as a "truly unique architectural phenomenon," and noting the following regarding the importance of design with salvaged materials:

> Hard times also dictated the use of the salvaged building materials common to all the houses. Although no two houses are identical, those built after the first two cottages commonly make use of pine shiplap board and paneling, adzed fir beams (occasionally including telephone poles—see the descriptive reports on 305 and 345 S. Mills), dormer casement windows, French doors, cast iron pipe structural supports, red clay tile roofing from demolished buildings, and kitchen/bathroom tiles in various unmatched shades of green), which Stys evidently procured in large numbers from the discarded seconds of a local manufacturer. Along with the fieldstone and cement rubble, the imaginative use of these discarded materials has contributed to the stylistic unity and charm of the entire Russian Village…

Stys is also credited with design and construction of several other houses on S. Indian Hill Boulevard in Claremont (exact addresses unknown), and four other homes are said to have been built with his "active advice" at 443 W. 10th St, 100 Oxford St, and 363 and 373 Cucamonga Avenue.

In addition to his work in Claremont, Stys experimented with vernacular architecture in Rancho Cucamonga, designing buildings in close proximity to the subject property. Stys moved to the property that is now the Cask 'n Cleaver restaurant, originally constructing it as an orchard house about 1945[62] and adapting it to restaurant use and making improvements at the property through at least 1955, when he expanded the sue to include a "banquet hall, deluxe motel, and swimming pool."[63] Cask 'n Cleaver is very close by the subject property, only 0.3 miles northeast, and has design characteristics similar to those used at the subject property, especially through use of salvaged local materials and telephone poles in the roof structure.[64] In 1953, Stys also owned and resided at the former Trona Restaurant at 2250 East Ninth Street in Rancho Cucamonga, though it is unclear if this building is extant.[65]

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[61] Leo M. Snowiss, Co-Chairman, Historic Russian Village Neighborhood Association, "The Russian Village," National Register of Historic Places Inventory—Nomination Form, Statement of Significance, December 21, 1977, Continuation Sheet, Photographs, Page 8.

[62] The building originally housed an orchard house, then RoVal's restaurant and Casa de Mayo restaurant. Cask 'n Cleaver moved into the location in 1967, when the business was founded. (David Allen, "At 50, Cask 'n Cleaver party recalls prime years," *Inland Valley Daily Bulletin,* July 25, 2017, *https://www.dailybulletin.com/2017/07/25/at-50-cask-n-cleaver-party-recalls-prime-years/*, accessed April 21, 2019).

Cask 'n Cleaver, organization website, *http://casknCleaver.com/aboutus.html*, accessed April 21, 2019).

[63] "Continued from City Page," *The San Bernardino County Sun,* August 12, 1955: 22.

[64] Other early buildings in the City utilizing telephone poles in construction include Etiwanda Road House, 12583 Highland Avenue, constructed, c. 1926, and Owen Electric Building, 8889 Archibald Avenue (date of construction unknown).

(Chattel, Inc., "Etiwanda Road House, 12583 Highland Avenue," State of California Department of Parks and Recreation Primary Record, 2009; Chattel, Inc., "Owen Electric, 8889 Archibald Avenue," State of California Department of Parks and Recreation Primary Record, 2009.)

[65] "Legal Advertisement," *The San Bernardino County Sun,* January 12, 1953: 11.




Fig 18 (left): Cask 'N' Cleaver site, building 1, main restaurant, view southeast (McGee, 2019); Fig 19 (right): Cask 'n Cleaver site, building 2, north of restaurant, view southeast (McGee, 2019)




Fig 20 (left): Cask 'n Cleaver site, building 3, north of restaurant, view southeast (McGee, 2019)
Fig 21 (right): One of the seven redwood bungalows (not extant) formerly located north of Cask 'n Cleaver (Source: Chattel, Inc., "Madrone Avenue," State of California Department of Parks and Recreation Primary Record, 2009)

Stys also designed a row of diminutive redwood bungalows just north of the existing Cask 'n Cleaver restaurant in the 1950s (see *Attachment B: Historic Aerials*). The bungalows were allegedly constructed from wood salvaged from wreckage in the Long Beach earthquake of 1933,[66] and were recorded in a 2009 historic resource survey completed for the 2010 general plan update,[67] though they were in poor condition at the time,[68] and were ultimately demolished to make way for the existing Los Amigos Park, which opened in 2017.[69] Some of the lumber from the bungalows was salvaged and reused in the shade structure for the park, while some of the original river rocks were incorporated into various structures.

Use of salvaged materials is evidenced in other buildings in Rancho Cucamonga, such as the Etiwanda Road House, located at 12583 Highland Avenue (constructed c. 1926, extant), and Owen Electric building, located at 8889 Archibald Avenue (date of construction unknown, extant), both of which incorporate telephone poles into front porch designs. Also relevant to this discussion is the Chinatown House, the last building that remained on the former historic Chinatown site at 8581 San Bernardino Road, which was made of local materials without the work of a trained architect, (constructed c. 1919, demolished).

[66] "Here's when Rancho Cucamonga's new park will open and what it will feature," *The Inland Valley Daily Bulletin,* October 15, 2016, https://www.dailybulletin.com/2016/10/15/heres-when-rancho-cucamongas-new-park-will-open-and-what-it-will-feature/, accessed April 21, 2019.

[67] Chattel, Inc., "Cask and Cleaver, 8649 9th Street," State of California Department of Parks and Recreation Primary Record, 2009.

[68] Chattel, Inc., "Madrone Avenue, Russian Village," State of California Department of Parks and Recreation Primary Record, 2009.

[69] "Here's when Rancho Cucamonga's new park will open and what it will feature," *The Inland Valley Daily Bulletin,* October 15, 2016, *https://www.dailybulletin.com/2016/10/15/heres-when-rancho-cucamongas-new-park-will-open-and-what-it-will-feature/,* accessed April 21, 2019.



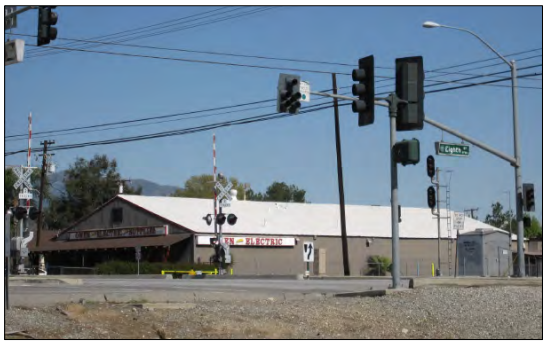


Fig 22 (left): Etiwanda Road House, 12583 Highland Avenue, Rancho Cucamonga (Source: Chattel, Inc., "12583 Highland Avenue," survey record, 2009; Fig 23 (right): Owen Electric building, 8889 Archibald Avenue, Rancho Cucamonga (Source: Chattel, Inc., "8889 Archibald Avenue," survey record, 2009)



Fig 24: Chinatown House (demolished) (Source: Chattel, Inc., "8581 San Bernardino Road," survey record, 2009)

Precedent for Evaluation of Folk Architecture

In addition to the National Register listing for the Russian Village, the significance of folk art environments in California has been previously established by other official historic designations, especially the individual listings of the immersive environments of Watts Towers of Simon Rodia at 1765 E. 107th Street in Los Angeles, listed in the National Register in 1977 and designated as a California Historical Landmark and National Historic Landmark,[70] and of Forestiere Undergroud Gardens at 5021 W. Shaw Avenue in Fresno, listed in the National Register in 1977 and designated a California Historical Landmark in 1979.[71] Statewide significance of folk art has also been established through the 1980 adoption of the National Register Thematic Nomination prepared for Twentieth Century Folk Art Environments in California, which describes the significant folk art environments of the state as follows:[72]

> These works can best be described as monumental sized sculptures consisting of a variety of structures, sculptural forms, and painted surfaces. Many include the artist's living space. Visitors walking through these sites will find themselves surrounded on every side by the vision of the artist, hence the term "environmental." The environments are the work of folk artists with no formal training in the arts. Each worked without knowledge of the others. Their work blends an art statement with folk crafts, such as wood carving, tile working, stone cutting and stitchery, traditions of folk art with roots in the colonial period…

[70] National Archives Catalog, *https://catalog.archives.gov*, accessed April 21, 2019.
[71] The Forestiere Underground Gardens, *http://www.undergroundgardens.com/about*, accessed April 21, 2019.
[72] Robert Selway et al., Office of Historic Preservation, "Twentieth Century Folk Art Environments in California," National Register of Historic Places Inventory-Nomination Form, 1978, entered into National Register 1980.

> …Each environment made use of the natural landscape and discarded materials to create their folk art works. The recycling and innovative use of both natural and cultural materials, whether shells and sand or trash, is an important characteristic of all the works.

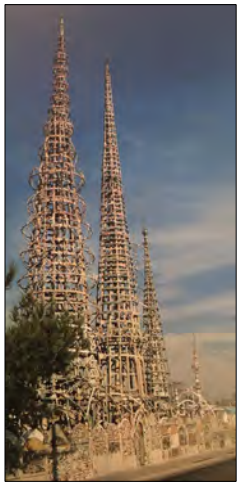




Fig 27 (left): Watts Towers, overall view (Source: Peter Selz, *Art in Our Times, A Pictorial History 1890-1980,* New York: Harry N. Abrams, 1981: 293); Fig 28 (right): Watts Towers, detail of outer fence with integrated artwork (Source: Watts Towers Arts Center, organization website, *https://www.wattstowers.org*)

In an effort to define Folk Art for purposes of project review, the City of Los Angeles' recently completed historic resource survey, known as SurveyLA, includes an historic context for Folk Art, 1850-1980, which defines Folk Art as a category, tracing its origins as a category in art history to the 1920s, mostly when applied to paintings and art objects, evolving to "utilitarian forms, especially household objects," and finally extending to architecture, as discussed here:[73]

> The broader concept of folk art, as applied to architectural resources from later periods and located outside of isolated communities, retains the assumption that the originator is talented but untrained. It differs, however, in two ways. First, it includes entire structures and landscapes as well as surface decoration. Second, there is less stress on the use of inherited vernacular modes and more on originality, to the point that eccentricity may be the most characteristic feature. This includes the unique uses of materials along with the creation of forms never before seen.
>
> Resources that fit this broader definition of Folk Art combine a number of elements—structures, landscape features, sculptures, assemblages of objects—into a unified whole. This whole is within a defined physical setting over which the creator has total control, typically the lot surrounding the creator's home. While apparently constructed without the use of formal plans, these resources show a unity of design, through common subject matter, forms and/or materials, based on the unique vision of the creator.[74]

Known examples in Los Angeles are few and tend to focus on the integration of artwork, rather than the architecture itself.

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[73] *Los Angeles Citywide Historic Context Statement, Context: Public and Private Institutional Development, 1850-1980, Sub-Context: Cultural Development and Institutions, 1850-1980, Theme: Folk Art, 1850-1980,* SurveyLA: Los Angeles Historic Resources Survey, City of Los Angeles, Department of City Planning, Office of Historic Resources, March 2019: 3-4.

[74] Jan Wampler, *All Their Own: People and the Places They Build,* New York: Schenkman Publishing Company, 1977: 9-15.

VII. EVALUATION OF SIGNIFICANCE

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts as described below.[75] Potential eligibility of the subject property under each criterion is discussed.

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.

B. Historic Landmarks must meet at least one of the following:

Criterion 1: It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

The subject property is evaluated in this report for its association with patterns of development during the time of its construction, the early 1950s. The majority of post-World War II development in Rancho Cucamonga involved redevelopment of land formerly used for agriculture into tract housing. The subject property represents a smaller scale development of a single parcel and does not readily contribute to our understanding of broad patterns of urban development. The subject property is not known to be the location of any important events. Therefore, the subject property does not meet Criterion 1.

Criterion 2: It is or was once associated with persons important to local, California, or national history.

The subject property is evaluated in this report for association with original owner-builder, James Carwell (1918-2014). The house was designed and constructed by Carwell as his residence and is considered an important example of Folk Architecture. However, Carwell does not appear to be a person important in our past. Carwell worked as a butcher and does not have other important historical associations. The only other resource potentially attributable to him is the adjacent residence at 8817 Baker Avenue (not extant), which is not known to have been historically or architecturally significant. Therefore, the subject property does not meet Criterion 2.

Criterion 3: It embodies the distinctive characteristic of a type, period, or method of construction.

The subject property is evaluated in this report for its Folk Architecture, a form of vernacular architecture designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. The importance of local Folk Architecture is established by the listing of Claremont's Russian Village in the National Register; the thematic nomination for Folk Art Environments

[75] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

in California, also listed in the National Register; and through other separate listings for individually significant Folk Art environments, as discussed in this report.

The Russian Village includes fifteen stone and concrete rubble houses constructed using salvaged local materials during the years 1923-1938. Many of these homes were designed and constructed by local builder Konstanty "Steve" Stys, a Polish immigrant (1894-1961), who also trained other locals to build their own houses in the Russian Village and elsewhere in the community. Stys also owned property in Rancho Cucamonga very nearby the subject property, and continued his work constructing Folk Architecture, building his house there using salvaged local materials in 1945. His property was later expanded and became the Cask 'n Cleaver restaurant (previously found eligible as an historical resource in the survey conducted for the City of Rancho Cucamonga's 2010 general plan update). While a definitive connection of the subject property to Stys could not be made, the house at the subject property was very likely constructed in association with Stys. Anecdotal evidence provided in this report confirms his likely involvement. Design of the house follows his traditions of local Folk Architecture, looks much like his other work, and is a rare example of its type.

Effectively utilizing salvaged local materials (concrete rubble, telephone poles, stones, and wood) and incorporating artful placement of stones and materials, such as at the living room fireplace and in the curved low walls in the front yard, the house at the subject property is a good example of Folk Architecture. This architecture and method of construction is unique, fitting into a significant historic context for Folk Architecture, examples of which are rare in Rancho Cucamonga and in Southern California. The subject property appears to be significant for this association and therefore meets Criterion 3.

Criterion 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

The subject property is evaluated in this report for association with local builder, Konstanty Stys. The similarities between Stys work and the house at the subject property are striking. Because on testimony of Carwell's descendants, as discussed in this report, there is a strong likelihood that Stys advised Carwell on construction techniques, similar to his approach advising locals at the Russian Village. However, the extent of Stys involvement cannot be explicitly demonstrated. Therefore, the subject property does not meet Criterion 4.

Criterion 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

The subject property cannot reasonably be expected to yield significant archaeology or information important to prehistory of the local area or otherwise. Therefore, the subject property does not meet Criterion 5.

C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

Integrity refers to the ability of a property to convey its significance. Evaluation of integrity is based on "an understanding of a property's physical features and how they relate to its significance." The National Register recognizes seven aspects or qualities of integrity: *location, design, setting, materials, workmanship, feeling, and association*. To retain integrity, a property must possess several, and usually most, of these aspects. The subject property appears to retain integrity from its date of construction, 1952-1953, as described below.

- *Location:* The building at the subject property has not been moved; therefore, the subject property retains integrity of *location.*
- *Design:* The massing, floor plan, and primary architectural features of the subject property have not been altered. The concrete rubble exterior walls, chimney, and roof structure with telephone poles and wood boards remain intact. The main alterations have been to window sash and glazing, which have generally all been removed and through additions along north and east elevations, which have also been removed. However, because the primary design features remain intact and the building is still easily readable as an example of Folk Architecture from its date of construction, the subject property retains integrity of *design.*
- *Setting:* The subject property was surrounded by agricultural land when the existing building was constructed. Citrus groves have been removed and the agricultural land has largely been replaced by tract housing developments. Therefore, the subject property may not retain integrity of *setting.*
- *Materials:* Given that the subject property is relatively unaltered in terms of its design and has the majority of its original materials, it retains integrity of *materials.*
- *Workmanship:* Because the subject property retains integrity of design and materials, it also retains integrity of *workmanship.*
- *Feeling and Association:* Because the subject property generally retains integrity of location, setting, and workmanship, it is able to convey *feeling* and *association*.

Designation Criteria for Historic Districts and Conservation Districts

The subject property was considered for potential eligibility as a contributor to a locally eligible historic district. However, there does not appear to be a cohesive grouping of buildings that includes the subject property and conveys a strong sense of time and place from any particular period in history. The subject property is not part of an intact grouping of early residential properties. Existing development along Baker Avenue currently includes a wide variety of land uses with varying dates of construction. There is not a strong sense of time and place from any particular period in history. There is no significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development. Therefore, there does not appear to be any district present.

California and National Registers

Because eligibility criteria for National and California Registers align, the following evaluation considers eligibility under each of the criteria at federal and state under a single heading.

Criterion A/1: Is associated with events that have made a significant contribution to the broad patterns of our history and cultural heritage.

The subject property is evaluated in this report for its association with patterns of development during the time of its construction, the early 1950s. The majority of post-World War II

development in Rancho Cucamonga involved redevelopment of land formerly used for agriculture into tract housing. The subject property represented a smaller scale development of a single parcel and does not readily contribute to our understanding of broad patterns of urban development. The subject property is not known to be the location of any important events. Therefore, the subject property does not meet Criterion A/1.

Criterion B/2: Is associated with the lives of persons important in our past.

The subject property is evaluated in this report for association with original owner-builder, James Carwell (1918-2014). The house was designed and constructed by Carwell as his residence and is considered an important example of Folk Architecture. However, Carwell does not appear to be a person important in our past. Carwell worked as a butcher and does not have other important historical associations. The only other resource potentially attributable to him is the adjacent residence at 8817 Baker Avenue (not extant), which is not known to have been historically or architecturally significant. Therefore, the subject property does not meet Criterion B/2.

Criterion C/3: Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values.

The subject property is evaluated in this report for its Folk Architecture, a form of vernacular architecture designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. The importance of local Folk Architecture is established by the listing of Claremont's Russian Village in the National Register; the thematic nomination for Folk Art Environments in California, also listed in the National Register; and through other separate listings for individually significant Folk Art environments, as discussed in this report.

The Russian Village includes fifteen stone and concrete rubble houses constructed using salvaged local materials during the years 1923-1938. Many of these homes were designed and constructed by local builder Konstanty "Steve" Stys, a Polish immigrant (1894-1961), who also trained other locals to build their own houses in the Russian Village and elsewhere in the community. Stys also owned property in Rancho Cucamonga very nearby the subject property, and continued his work constructing Folk Architecture, building his house there using salvaged local materials in 1945. His property was later expanded and became the Cask 'n Cleaver restaurant (previously found eligible as an historical resource in the survey conducted for the City of Rancho Cucamonga's 2010 general plan update). While a definitive connection of the subject property to Stys could not be made, the house at the subject property was very likely constructed in association with Stys. Anecdotal evidence provided in this report confirms his likely involvement. Design of the house follows his traditions of local Folk Architecture, looks much like his other work, and is a rare example of its type.

Effectively utilizing salvaged local materials (concrete rubble, telephone poles, stones, and wood) and incorporating artful placement of stones and materials, such as at the living room fireplace and in the curved low walls in the front yard, the house at the subject property is a good example of Folk Architecture. This architecture and method of construction is unique, fitting into a significant historic context for Folk Architecture, examples of which are rare in Rancho Cucamonga and in Southern California. The subject property appears to be significant for this association and therefore meets Criterion C/3.

Criterion D/4: Has yielded, or may be likely to yield, information important in prehistory or history.

The subject property cannot be reasonably expected to yield information important in prehistory or history; therefore, it does not appear eligible under Criterion D/4.

Period of Significance

The period of significance for the subject property is its date of construction, 1952-1953.

Character-Defining Features

The character-defining features, the physical features extant from the period of significance that convey significance, and should be preserved, include the following:

Exterior

- One-story scale and massing of house.
- Primary façade of house oriented south, positioned along street.
- Exterior walls of house made of concrete rubble.
- West elevation chimney made of concrete rubble.
- East elevation outdoor fireplace made of brick and concrete rubble.
- Flat roof structure made of telephone poles and wood boards.
- Full front porch with simple concrete structure, accessed by steps.
- Pattern of door and window openings and concrete slip sills (where extant)

Site Features

- Low curved walls located west of house bordering front yard.
- Low brick pillars that were once components of the front yard fence.

Interior

- Configuration of public spaces, including kitchen, hallway, and living room.
- Living room fireplace on west wall, with integrated concrete and stone and brick work.
- Telephone pole and wood ceilings where they occur throughout.

VIII. CONCLUSION

The subject property is evaluated in detail in this report, including thorough documentation of existing conditions, history of construction and alterations, and history of owners and tenants. The subject property was evaluated against relevant historic contexts and was found significant as an important and rare example of local Folk Architecture, most likely constructed in association with noted local builder, Konstanty Stys. The subject property meets eligibility criteria for local designation as a City of Rancho Cucamonga Historic Landmark and for the California Register, though it was not found to be a contributor to any historic district. Due to alterations, especially removal of all windows, it may not retain sufficient integrity for listing in the National Register. As the subject property appears eligible for local designation as well as for listing in the California Register, it is therefore an historical resource under CEQA.

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Appendix A: Tables

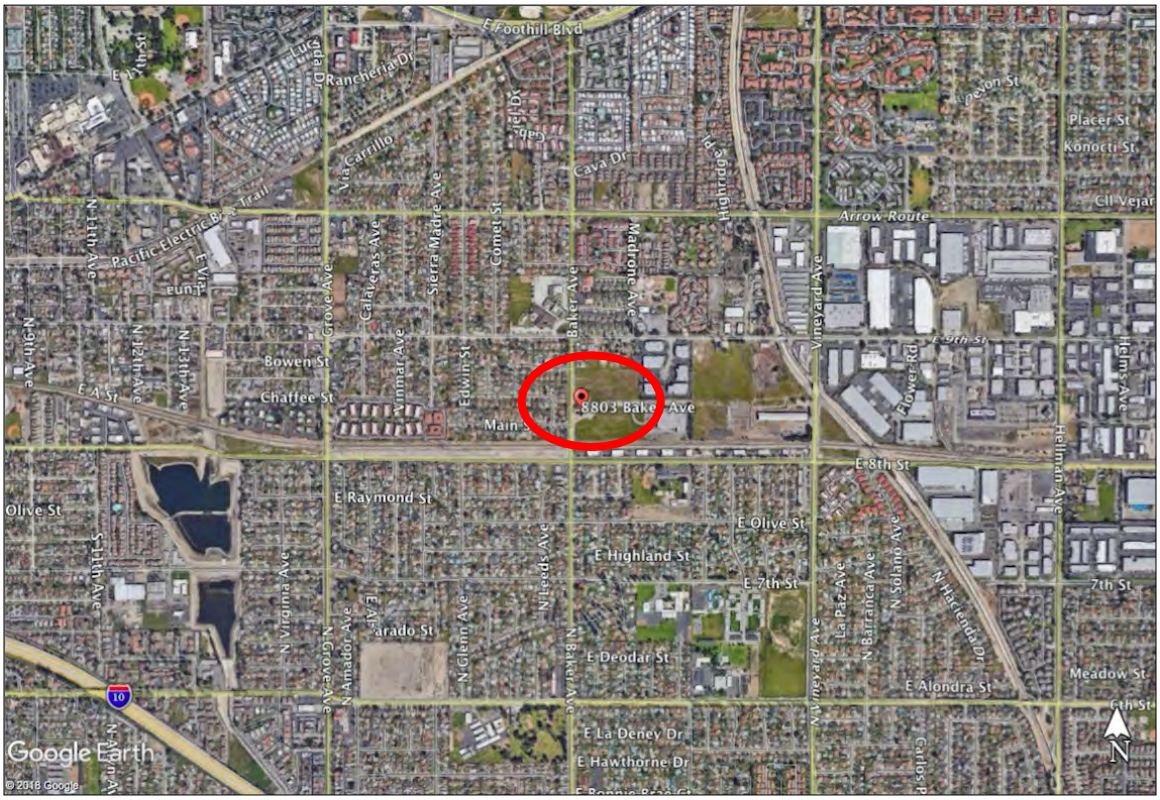
Table of Building Permits for 8803 Baker Avenue (on file with City of Rancho Cucamonga)

April 18, 1977	48870	Room addition, 13 ½ x 32.	Dennis F. Myscow	Not given	Illegible	$9,900.00
April 8, 1985	85-2966	MEP permit for water tank and other mechanical equipment.	Myskow	N/A	Sun Wizard	Not given
January 29, 1991	91-0451	MEP permit for kitchen sink.	Dennis F. Myscow	N/A	Owner	Not given
December 12, 1991	91-6511	Reroof detached garage only, built-up capsheet.	Dennis Myskow	N/A	Hulspeth, Inc.	$1,200.00
December 6, 1995	BL12495	Remove existing roof except insulation; reroof with Class A built gravel roof.	Dennis Myscow	N/A	Hudspeth, Inc.	$3,800.0
January 14, 2015	PMT2015-00164	Roof-mounted photovoltaic.	Dennis Francis Myskow	N/A	Vision Installation	Not given
August 22, 2016	PMT2016-02770	Demolition and removal of 480 s.f. wood-framed stucco-finished building addition, wood-framed patio cover, 1056 sf wood-framed stucco finished garage building, built in swimming pool fencing, site walls, and paving, plus disconnection and capping of all utilities.	Allyn Scheu Family Limited Partners	N/A	Alliance Construction Team, Inc.	Not given

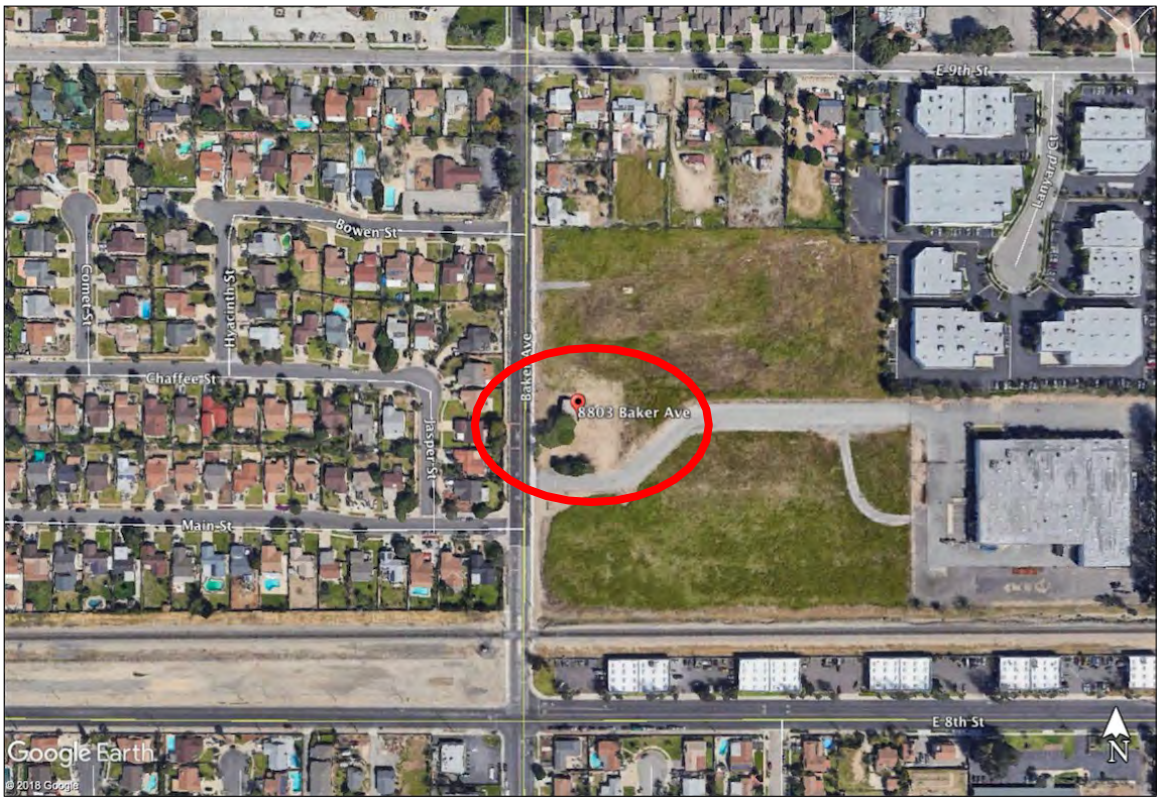
Table of Owners for 8803 Baker Avenue

Date	*Owner*
1900-1903	Cucamonga Fruit Lands Company
1904-1907	Samuel B. Jaggart
1908-1910	M.E. Post
1916-1926	C.A. Yeilding
1926-1931	Cyril F. Yeilding
1932-1939	E.B. Smith
1939-1944	Josephine E. Smith
1944-1947	Fred Fischer
1946-1947	James and Jennie Carwell; William C. and Anna C. Blazer; William A. and Eleanor Amlung
1947-1969	James and Jennie Carwell
1969-1973	Charles H. Lescault and Donna J. Lescault
1973-2007	Dennis F. Myskow and Marilyn A. Myskow
2007-2015	Dennis F. Myskow and Michele L. Myskow
2015-2019	Nevin Scheu Trust Allyn Scheu Family Limited Partnership Allyson Scheu McQuade Property Trust

Attachment A: Current Maps and Aerials

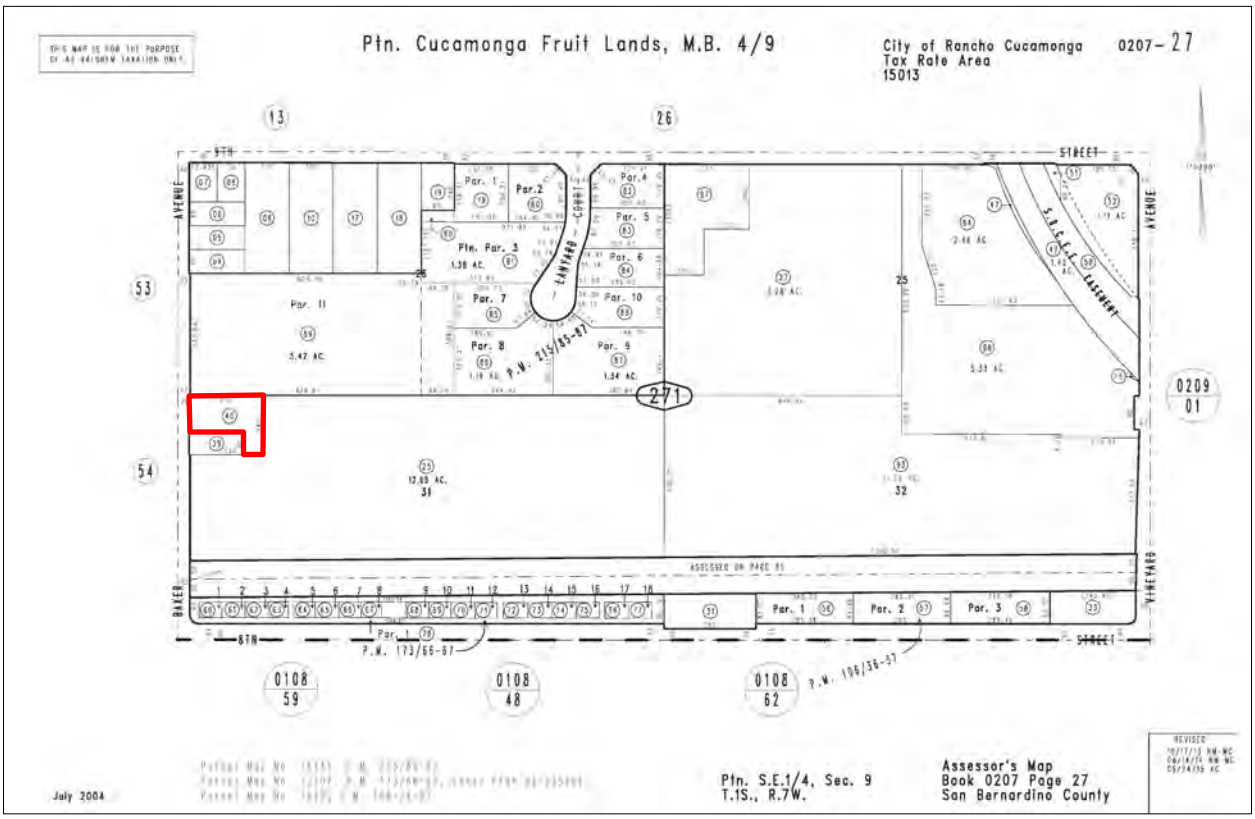


Map 1: Current aerial, subject property at center outlined in red (Google Earth)



Map 2: Current aerial, subject property outlined in red (Google Earth)

Attachment A: Current Maps and Aerials



Map 3: Assessor Parcel Map, subject property outlined in red (County of San Bernardino, Property Information Management System Internet Site)

Attachment B: Historic Maps and Aerials



Historic Aerial 1: Subject property outlined in red, 1930 (UCSB Aerial Photograph Collection)



Historic Aerial 2: Subject property outlined in red, 1938 (UCSB Aerial Photograph Collection)

Attachment B: Historic Maps and Aerials



Historic Aerial 3: Subject property outlined in red, 1949 (UCSB Aerial Photograph Collection)

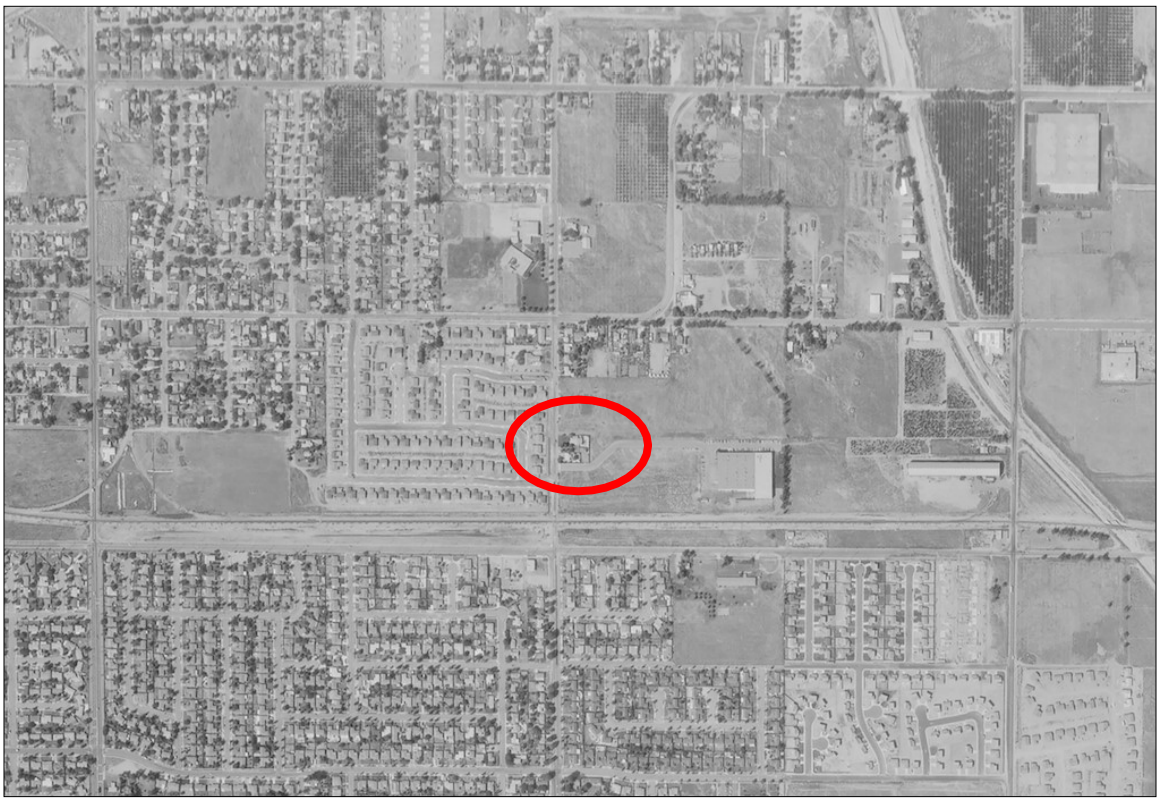


Historic Aerial 4: Subject property outlined in red, 1953 (UCSB Aerial Photograph Collection)

Attachment B: Historic Maps and Aerials



Historic Aerial 5: Subject property outlined in red, 1959 (UCSB Aerial Photograph Collection)



Historic Aerial 6: Subject property outlined in red, 1977 (UCSB Aerial Photograph Collection)

Attachment C: Current Photographs of Subject Property



Figure 1: Subject property, view of setting from Baker Avenue, view northeast, with subject property indicated by red arrow (McGee, 2019)



Figure 2: Subject property, view of setting from Baker Avenue, view southwest, with subject property indicated by red arrow (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 3: Subject property, west elevation, from Baker Avenue, view east (McGee, 2019)



Figure 4: Subject property, west elevation, view east (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 5: Subject property, west elevation, detail, view east (McGee, 2019)



Figure 6: Subject property, low wall in front yard located west of house, view southwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 7: Subject property, west elevation (left) and south façade (right), view northwest (McGee, 2019)



Figure 8: Subject property, south façade (center) and east elevation (right), view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 9: Subject property, south façade, view northwest (McGee, 2019)



Figure 10: Subject property, west elevation (left) and south façade (right), view northeast (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 11: Subject property, east elevation (center) and north elevation (right), view southwest (McGee, 2019)



Figure 12: Subject property, east elevation, detail, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 13: Subject property, east elevation, detail, view west (McGee, 2019)



Figure 14: Subject property, north elevation, view south (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 15: Subject property, interior, kitchen, view northeast (McGee, 2019)



Figure 16: Subject property, interior, kitchen, view southwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 17: Subject property, interior, hallway, looking toward living room, view west (McGee, 2019)



Figure 18: Subject property, interior, hallway, from living room, view southeast (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 19: Subject property, interior, living room, west wall with fireplace (left), view northwest (McGee, 2019)



Figure 20: Subject property, interior, living room, west wall with fireplace, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 21: Subject property, interior, living room, fireplace detail, view west (McGee, 2019)



Figure 22: Subject property, interior, living room, fireplace detail, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 23: Subject property, interior, closet, view north (McGee, 2019)

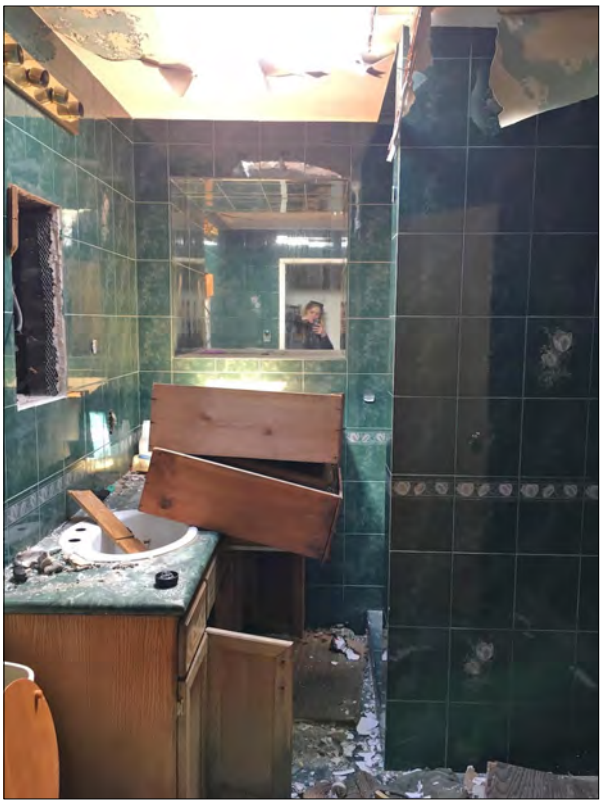


Figure 24: Subject property, interior, bathroom, north (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 25: Subject property, interior, northeast bedroom, view northeast (McGee, 2019)



Figure 26: Subject property, interior, northeast bedroom, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 27: Subject property, interior, southeast bedroom, view southwest (McGee, 2019)



Figure 28: Subject property, interior, southeast bedroom, view southwest (McGee, 2019)

Attachment D

STAFF REPORT

PLANNING DEPARTMENT

RANCHO CUCAMONGA

Date: April 23, 2014

To: Chairman and Members of the Historic Preservation Commission

From: Candyce Burnett, Planning Manager

By: Mayuko Nakajima, Assistant Planner

Subject: HISTORIC LANDMARK DESIGNATION DRC2014-00206 - DENNIS MYSKOW - A request for a historic landmark designation for a single-family residence within the General Industrial District, located at 8803 Baker Avenue - APN: 0207-271-40. The project is categorically exempt under Section 15331 as a Class 31 exemption of the guidelines for the California Environmental Quality Act. This item will be forwarded to City Council for final action.

BACKGROUND

A. Historical Significance: The subject structure, located at 8803 Baker Avenue, was built in the late 1940s or early 1950s and is considered to be built in the Folk Architecture style. The structure is constructed of recycled and/or salvaged materials ranging from deeply textured paving stones, telephone poles, and native rocks. The telephone poles run all through the house to act as a support for the roofing. The backyard is outlined by a wall constructed of remnants of rubble and rock placed in various configurations. The structure retains most of its original material. The garage that sits on the southern portion of the site was built at a later date. Towards the northerly portion of the main structure, an addition was also constructed. Both later additions were completed by the current owner.

The house is believed to be built by Polish immigrant Konstanty "Steve" Stys. Originally from Poland, he immigrated to the United States and settled in Youngstown, Ohio before moving to California in 1921. He lived in Pomona, then he moved to Claremont, and finally to Cucamonga in 1946. He is perhaps most known for his affiliation with the Russian Village in Claremont. He was a rock craftsman of the area who put a lot of character into his work. The Russian Village encompasses a group of 15 homes lining Mills Avenue that were built of recycled and/or salvaged materials during the Great Depression. In 1923, Stys purchased the eastern side of Mills Avenue. He then sold lots to friends and needy families and helped them find building materials from wrecking yards, earthquake-damaged buildings from the 1933 earthquake, and local field stones from the alluvial plain around the City of Claremont. The homes are unified by their use of rock and street rubble as exterior materials such as telephone poles, chunks of pavement, sides from railroad cars, red-tile roofs, and the informal arrangement of each property. Local residents nicknamed the neighborhood "Russian Village," assuming that Stys came from Russia. This neighborhood was placed on the National Register of Historic Places as a prime example of folk architecture. It was the hard times of the Great Depression that helped create this sense of community in these houses. The use of salvaged materials was an economic way to build houses. Stys is also known for designing and constructing the structure located at 8649 9th Street in Rancho Cucamonga, which is currently the Cask and Cleaver restaurant. This was Stys'

home until his death in 1961. The Cask and Cleaver building was built approximately in the late 1940s.

B. Ownership History: According to the City directory from 1950 to 1967, Jason and Jenny Carwell were listed as the owners (the original address was 158 Baker Avenue). According to the San Bernardino County Assessor's information, the previous owners were Charles and Donna Lescault. In 1973, the current owners, the Myskows, acquired the property. A real estate agent informed them that the building was built by Mr. Stys. It is possible that the structure was built about the same time as the Cask and Cleaver building, since it was in such close proximity and because it follows his move to the Cucamonga area in 1946. There are no building records that show the actual date of construction for the structure located at 8803 Baker Avenue, but historic aerials reveal that there was something on the site in 1938, and a definitive structure could be identified by 1959 (Exhibit B).

C. Site Characteristics: The project site is on an L-shaped parcel (approximately 0.5 acres), located approximately 500 feet north of 8th Street. The lot is zoned General Industrial and the single-family residence is considered a legal non-conforming use. Properties to the north are zoned Industrial Park; to the east and south is General Industrial; to the west is zoned Low Residential. It is generally surrounded by vacant land with the exception of a residential development just west of the site and a separate parcel just south of the property where there exists another legal non-conforming residence.

ANALYSIS

A. General: The house was never identified in the City of Rancho Cucamonga 2009 historic survey results, performed by Chattel Architecture, nor the previous City surveys conducted throughout the years. That does not preclude properties that might have been missed by these surveys. Based on a field visit to the project site and also to the "Russian Village," the construction methods and materials are very similar with the use of deeply textured paving stones, telephone poles, and native rocks. Although there is no written documentation stating that this was built by Mr. Stys, the construction methods and materials are so unique that staff has concluded that it must have been built by the same person or his apprentice. According to the National Register of Historic Places Inventory, "Lay-More Tile" was a business owned and operated by Stys and his friend, Merle Mead. The tile itself is a dry, self-stacking, concrete block that appears in a number of the structures in Russian Village and also appears on the subject structure.

B. Landmark Designation: The subject site qualifies for landmark designation based upon much of the criteria from the City's Historic Preservation Ordinance, including such significant areas as historical and cultural significance and integrity. Details related to these areas of significance are contained in the Facts for Findings Section. The purpose of the designation is to preserve, protect, enhance, and perpetuate a significant feature that contributes to the cultural and aesthetic benefit of Rancho Cucamonga.

C. Environmental Assessment: The project is categorically exempt under Section 15331 as a Class 31 exemption of the guidelines for the California Environmental Quality Act.

FACTS FOR FINDING:

A. Historical and Cultural Significance:

Finding 1: It is or was once associated with events that made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

Fact/s: The property is an example of early life during a time where resources were scarce after the Great Depression.

Finding 2: It is or was once associated with persons important to local, California, or national history.

Fact/s: The property is associated with Konstanty Stys, an important person to local history.

Finding 3: It embodies the distinctive characteristics of a type, period, or method of construction.

Fact/s: The dwelling is a good example of Folk Architecture during the Great Depression era. Its method of construction is especially unique in that the builder utilized recycled and salvaged materials.

Finding 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

Fact/s: Konstanty Stys was known for his unique craftsmanship, also cited in "Judy Wright's *Claremont: A Pictorial History"* as "vernacular, anonymous, spontaneous, indigenous, or rural" architecture.

Finding 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

Fact/s: The structure and property has potential to yield information about the Great Depression era and the local area.

B. Integrity:

Finding 1: Historic Landmarks must retain integrity from their period of significance with respect to location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its dilapidated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the property's eligibility.

Fact/s: The proposed landmark retains integrity from thep period of significance with respect to location, design, materials, workmanship, and association. It retains sufficient integrity to convey its historic, cultural, or architectural significance.

CORRESPONDENCE: The Historic Landmark Designation was advertised as a public hearing in the Inland Valley Daily Bulletin newspaper, the property was posted, and notices were mailed to all property owners within 660 feet of the project site.

RECOMMENDATION: Staff recommends that the Historic Preservation Commission recommend approval of Landmark Designation DRC2014-00206 to be forwarded to the City Council for final action.

Respectfully submitted,

Candyce Burnett
Planning Manager

CB:MN/ge

Attachments: Exhibit A - Location map
Exhibit B - Historic aerials
Exhibit C - Photographs
Draft Resolution of Approval for DRC2014-00206

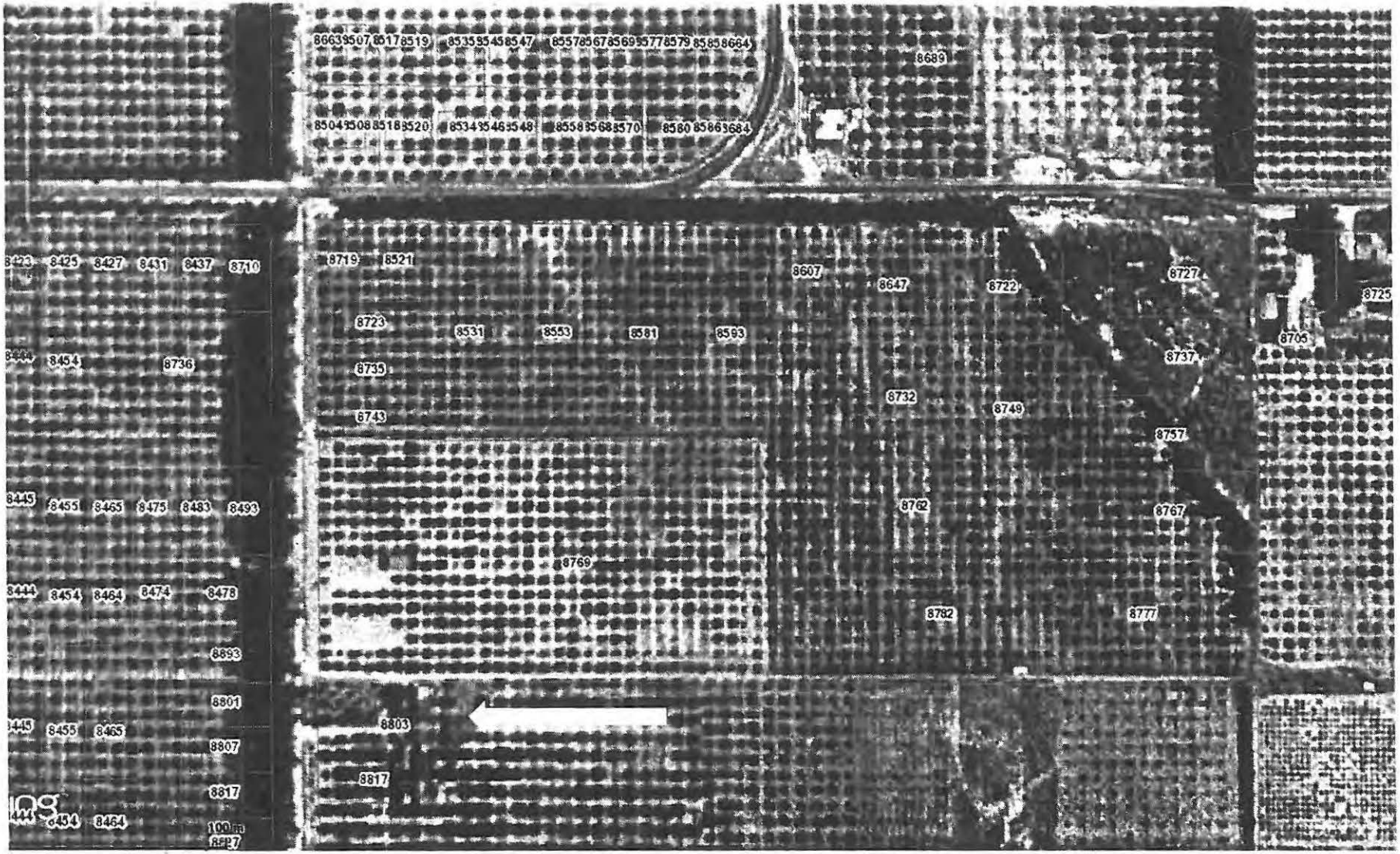
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EXHIBIT A

EXHIBIT B

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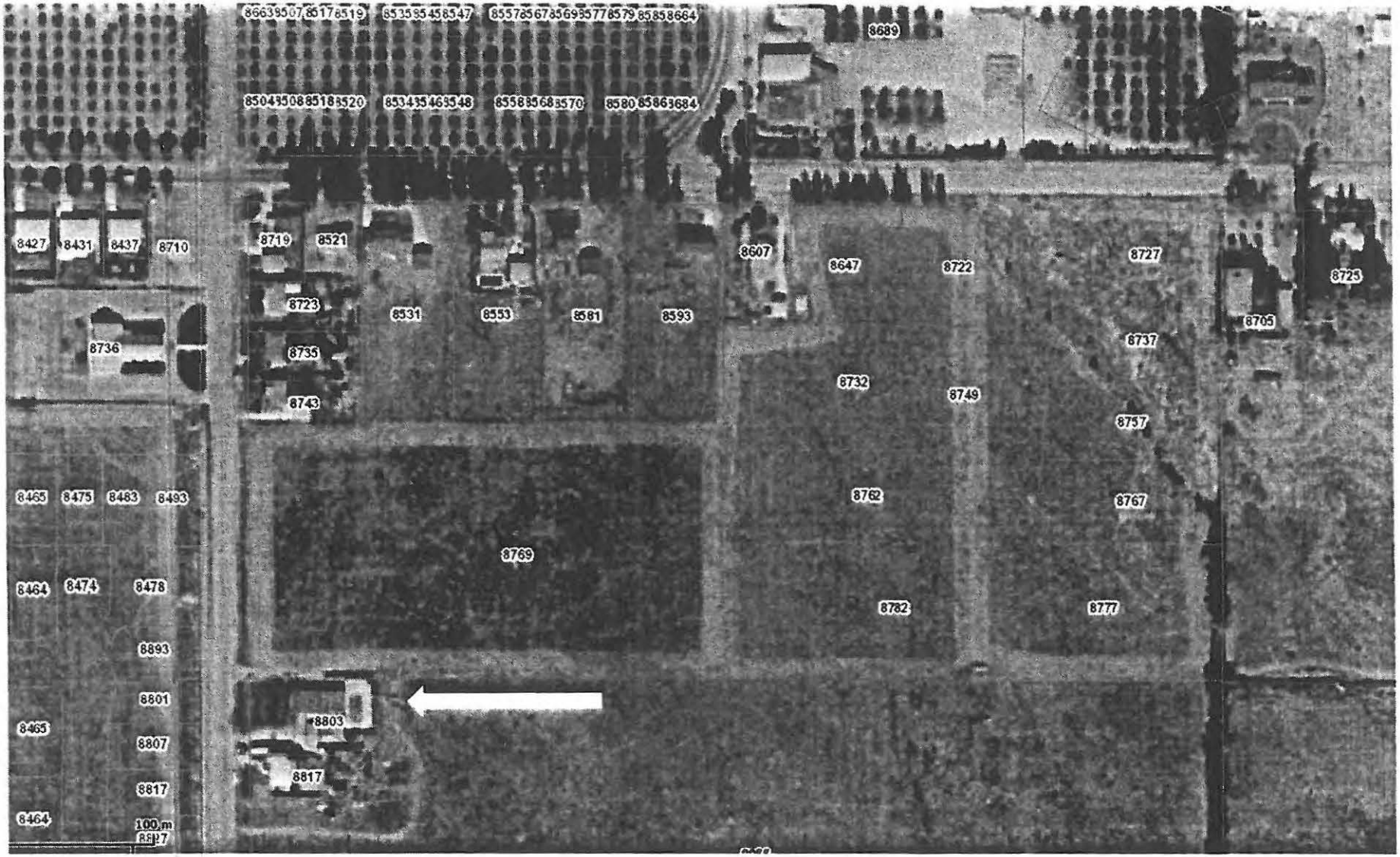
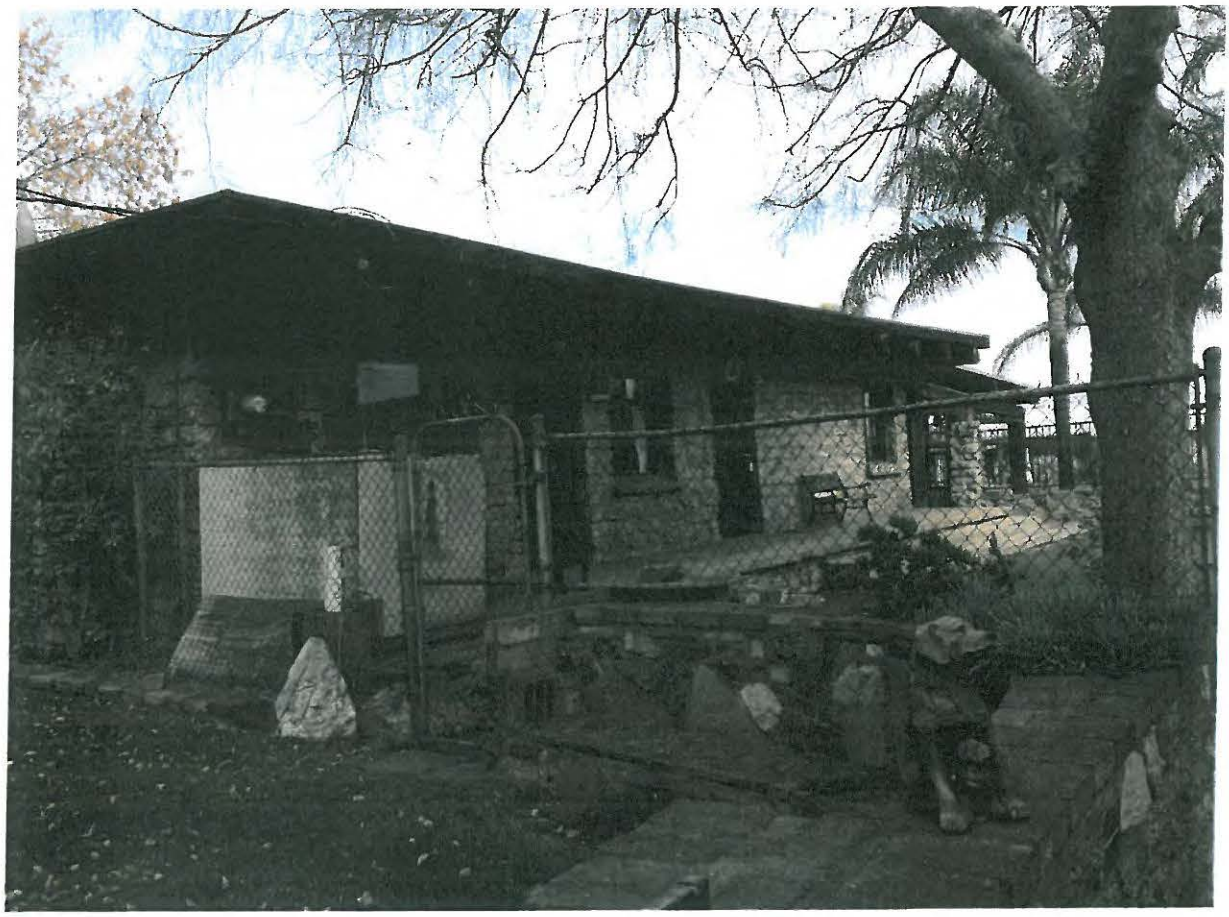

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EXHIBIT C

View looking east





Front elevation



Window



Garage

C-12



Addition in northerly portion of structure



Backyard Fireplace



Rock work in backyard



View looking northwest

H1-C



Rock monument in corner of backyard

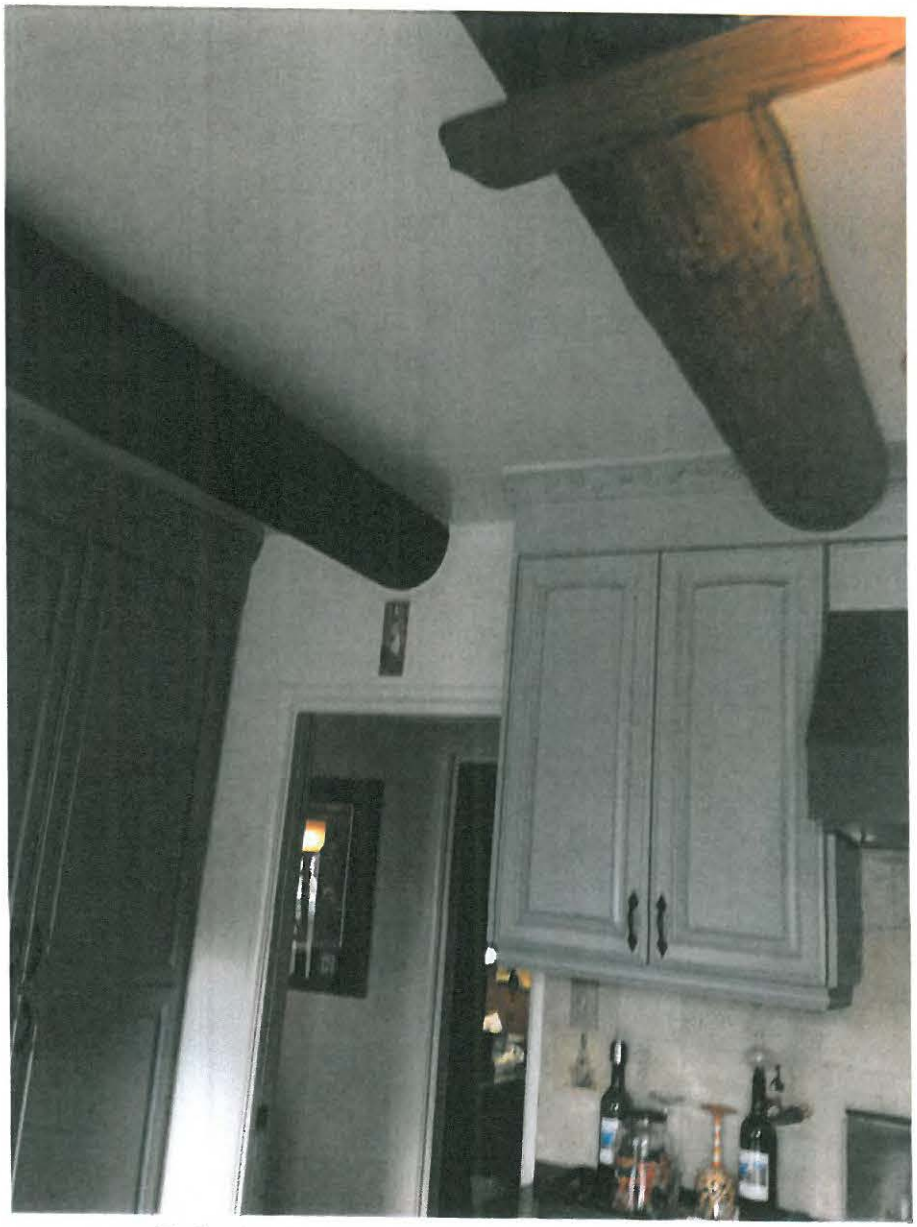


Telephone pole

C-15



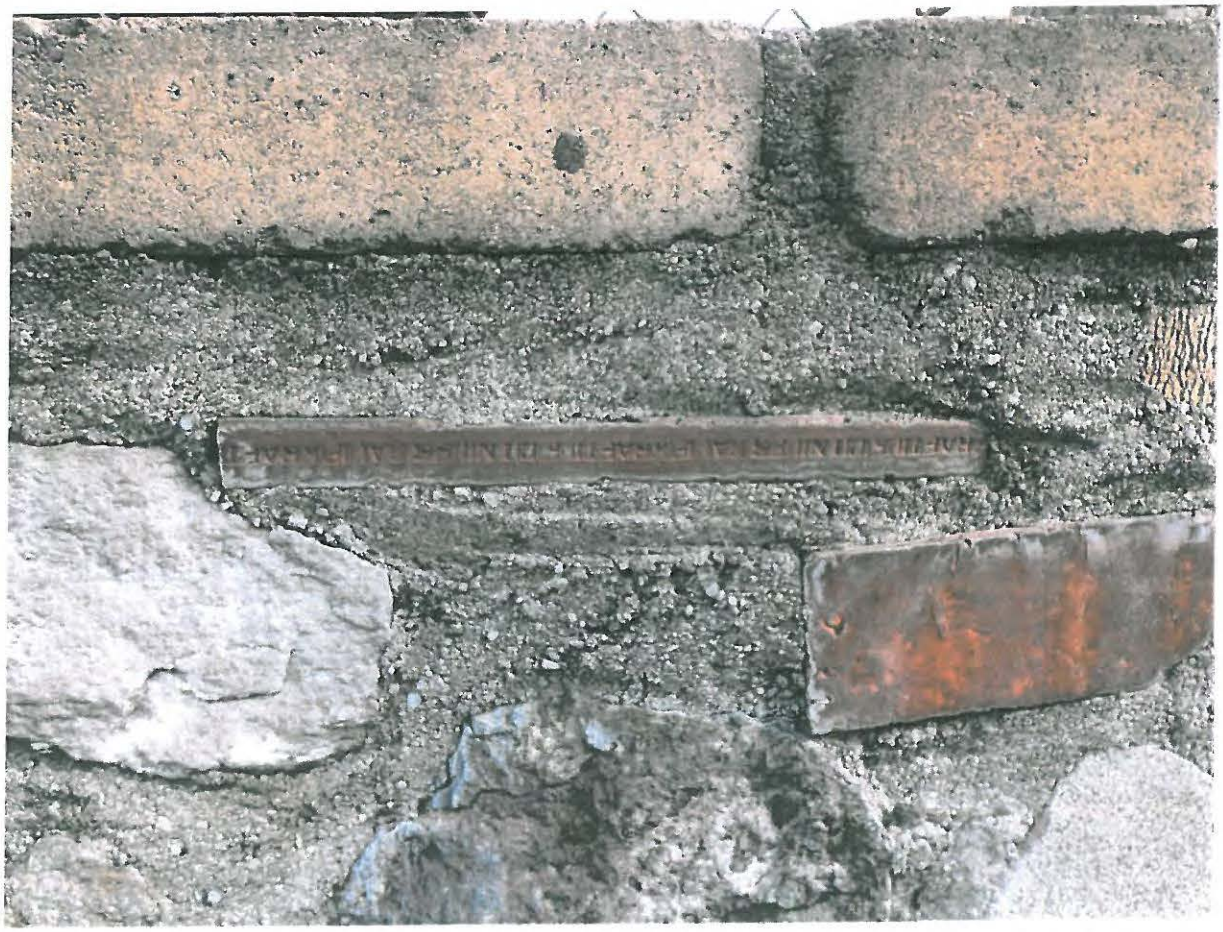
Interior Fireplace



Telephone pole visible from interior kitchen



Exterior wall



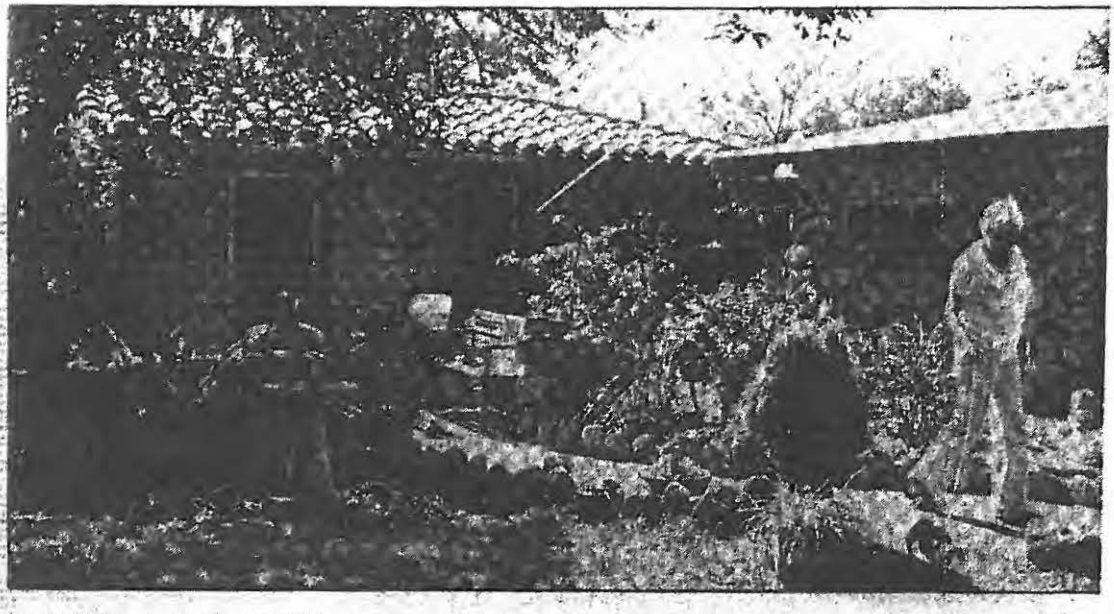
Detail of wall

Los Angeles Times

SAN GABRIEL V

Thursday, June 16, 1988

'They built [the houses] with the materials available. It was really a classic An



Louise Nelson walks in garden of her home on South Mills Avenue, a one-time rural road that has become one of Clar

Russian Village

Built of Rubble in the Depression, Houses Are Now Claremont's Pride

By JEFFREY MILLER, *Times Staff Writer*

One might think that prospective homeowners would be less than thrilled to learn that their dream house was designed and constructed by untrained laborers using chunks of pavement, telephone poles and odds and ends scavenged from condemned buildings.

But to residents of Russian Village—15 houses built along South Mills Avenue in Claremont during the Great Depression by poor immigrant workers—these humble origins are a source of pride.

"You just develop real respect and affection for the people who built this," said resident Leo Snowiss as he admired the walls of his home, which was constructed with more than 2,500 concrete blocks that were chiseled from street rubble.

"They were very poor people," added Snowiss, a professor of political science at UCLA. "The Depression just wiped them out. They built [the houses] with the materials available. . . . Under the lash of necessity they could do it. It was really a classic American story."



Konstany Stys at work, 1931.

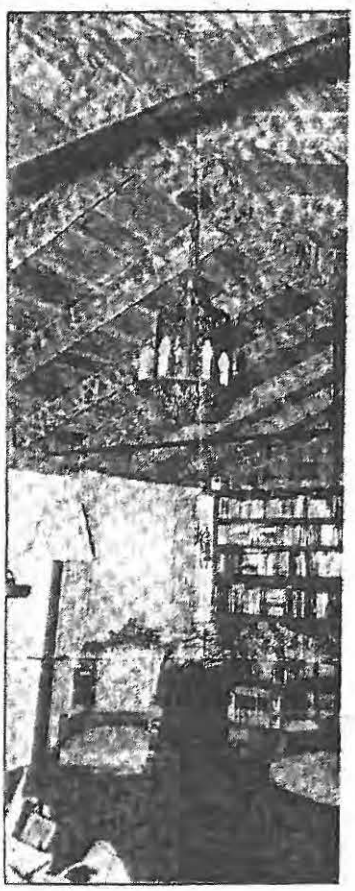
The key figure in the story of Russian Village is Konstany Stys, a Polish immigrant who came to the area in the early 1920s from Youngstown, Ohio, where he had been a steel worker.

Although he didn't have much money, formal education or experience in housing design, Stys created a neighborhood of hand-crafted homes that has been included on the National Register of Historic Places as a definitive example of "folk architecture."

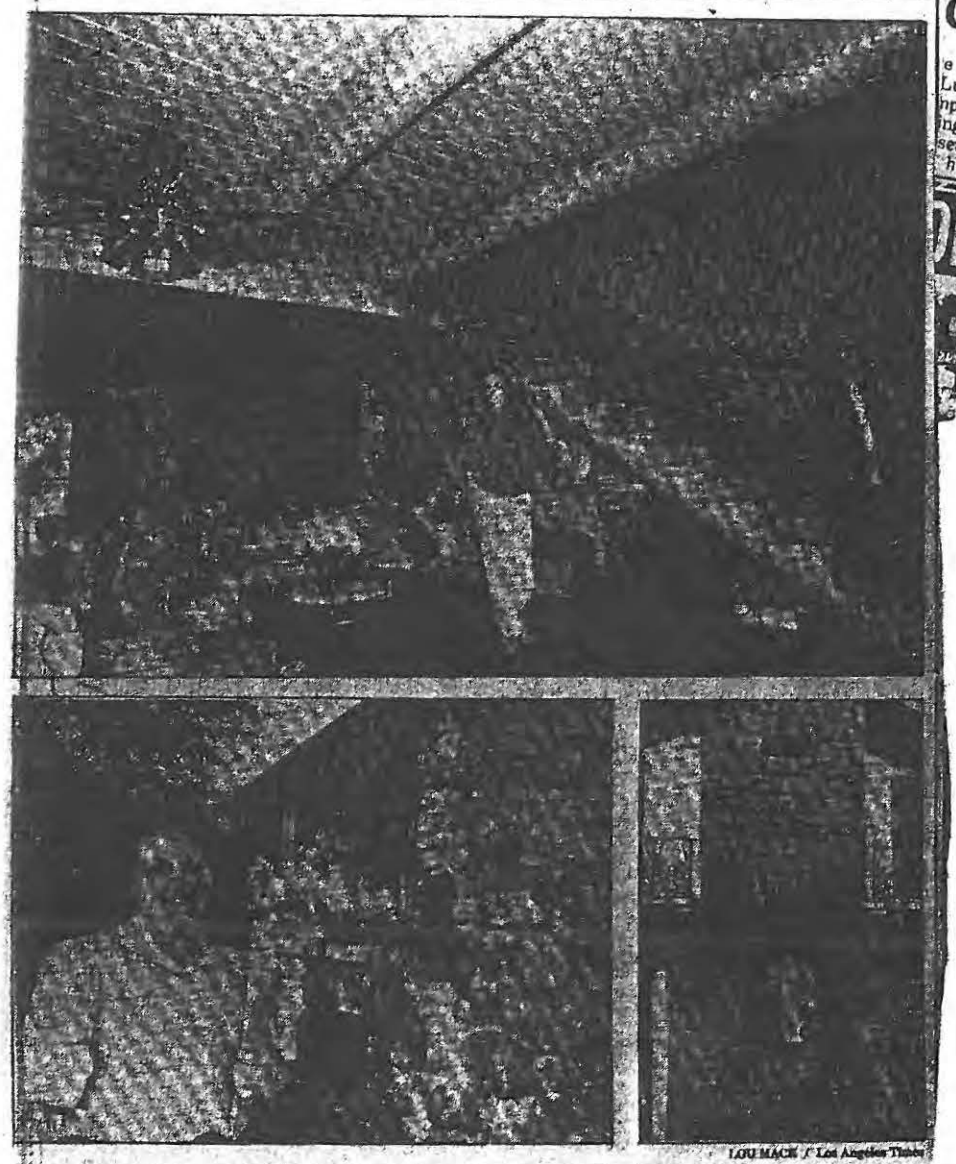
Attracted by the construction work available at the nearby Claremont Colleges, Stys bought a plot of land among the citrus groves of south Claremont. In seeking building materials, Stys needed to look no farther than the large piles of rocks that had been cleared from the surrounding land to make it arable.

Using those rocks, along with larger boulders hauled down from the mountains and surplus lumber from construction sites at the colleges, Stys built a modest house in 1922 that established the village's rocky,

Please see VILLAGE, Page 4



Leo Snowiss' living room has ac



LOU MACK / Los Angeles Times

Ceiling beams and stairway in Jeanne Lariviere's triplex are made of telephone poles, top. Claremont Mayor Judy Wright, a local historian, stands by the home of Joe and Georgiann Will, the second built by Konstany Stys. Stys built a shrine in the chimney of another home.

VILLAGE: Houses of Rubble

Continued from Page 1

rustic style.

At the onset of the Depression, Stys subdivided his land and sold parcels under generous terms to friends, relatives and co-workers who had been left destitute. Mortgage payments—not always collected—were as low as $5 a month. Stys lent home buyers his labor and his knack for obtaining low-cost building materials.

Stys' neighbors copied his architectural style, more out of financial necessity than aesthetic consistency. While most of the houses were built with the plentiful field stones, builders also used pavement from flood-damaged streets and red tiles scavenged from the roofs of buildings condemned after the 1933 earthquake. Fixtures were obtained from a salvage company in Los Angeles.

Most homes in Claremont daily story is that neighbors mistook Stys' accent as being Russian. Others say that some Claremont residents at the time perceived a hint of Bolshevism in the cooperative community established by the immigrant workers.

With one notable exception, the homes were built without blueprints, accounting for some unique floor plans. "Building design was dictated by available supplies and the needs of growing families.

"These houses are all different," said Snowiss, whose home features an exposed-beam ceiling made of surplus lumber hewn with an ax-like tool called an *adz* by Stys and his son Raymond. "They all grew like weeds, like beautiful weeds."

Only one house departed from this unplanned approach. Peter Ficker, a Pomona architect, owed Stys $80 for construction work. Short of money, Ficker offered to

retaining the house's historic features.

Although major exterior alterations require approval from the city, maintenance of the homes' historical character is largely on the honor system. Some residents even collect blocks of street rubble with which to build additions to their houses.

Please see VILLAGE, Page

VILLAGE: Untrained Builders' Work Lasts

Continued from Page 4

Stys, who died in 1961, built 10 homes elsewhere in his trademark rock-and-bubble style. The largest of these, in Rancho Cucamonga, later became the first Cask 'N Cleaver restaurant. Stys' wife, Antonina, lived in an artist's studio that Stys built near the restaurant until she moved to Northern California earlier this year.

Each of the individually styled houses in Russian Village seems to have its own materials, history and anecdotes.

There is the European-style country home with seven steeply pitched gables, built in 1933 by Garret Batelaan, a 21-year-old who had taken correspondence courses in carpentry, plumbing and wiring but had never actually built a house. His first effort has held up well, despite Stys' admonition that the steep roof was structurally unsound and would collapse.

Then there is the house built in 1937 by Mr. and Mrs. Burton Blanchard, both 19 at the time. With no construction experience, the couple followed do-it-yourself manuals to build the home, using materials such as railroad ties and oil cans filled with cement.

The walls were made from 740 tons of concrete originally used to pave Holt Boulevard, purchased for a hauling charge of $35. The roof, taken from a condemned school building in Glendora, cost $120. The Blanchards paid $883.75 for the lot and all building materials.

The most expensive house in the neighborhood cost $5,000 to build. Last year a home that was built in 1939 for $1,500 sold for $198,000.

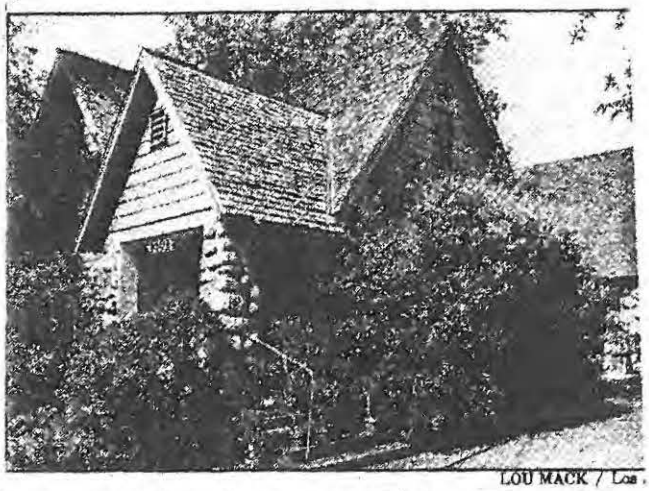
The largest home in the neighborhood is a triplex that Stys built to accommodate his extended family, including married children and in-laws. The home originally featured three separate dwellings attached to a common living room.

The home features sandstone walls salvaged from the Los Angeles County Courthouse and a red-tile roof from the earthquake-damaged Long Beach Library. Telephone poles were used for the structure's support beams and its main stairway.

"I like the style of it," said Joanne Lariviere, who bought the triplex five years ago and rents out two of its units. "It's more like you're living in the country when you live in Russian Village."

garage was the first house built by Stys, admits the traffic can be bothersome. But standing in her front yard, a few feet from two towering pines planted as Christmas trees by the Stys children more than 60 years ago, Will said the village's unique quality of life more than compensates.

"We love it here," she said. "These homes all have character. It's really interesting to live in a place with a history like this."



LOU MACK / Los

Seven-gabled house built in 1933 by Garret Batela

RESOLUTION NO. 14-01

A RESOLUTION OF THE HISTORIC PRESERVATION COMMISSION OF THE CITY OF RANCHO CUCAMONGA, CALIFORNIA, RECOMMENDING APPROVAL OF HISTORIC LANDMARK DESIGNATION DRC2014-00206, DESIGNATING THE PROPERTY A HISTORIC LANDMARK, LOCATED AT 8803 BAKER AVENUE; AND MAKING FINDINGS IN SUPPORT THEREOF - APN: 0207-271-40.

A. Recitals.

1. Dennis Myskow filed an application for a Landmark as described in the title of this Resolution. Hereinafter in this Resolution, the subject Landmark is referred to as "the application."

2. On April 23, 2014, the Historic Preservation Commission of the City of Rancho Cucamonga conducted a duly noticed public hearing on the application and concluded said hearing on that date.

3. All legal prerequisites prior to the adoption of this Resolution have occurred.

B. Resolution.

NOW, THEREFORE, it is hereby found, determined, and resolved by the Historic Preservation Commission of the City of Rancho Cucamonga as follows:

1. This Commission hereby specifically finds that all of the facts set forth in the Recitals, Part "A," of this Resolution are true and correct.

2. The application applies to approximately 0.5 acre of land, basically an L-shaped configuration, located at 8803 Baker Avenue.

3. Based upon substantial evidence presented to this Commission during the above-referenced public hearing on April 23, 2014, including written and oral staff reports, together with public testimony, and pursuant to Section 17.18.020 of the Rancho Cucamonga Municipal Code, this Commission hereby makes the following findings and facts:

A. Historical and Cultural Significance:

Finding 1: It is or was once associated with events that made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

Fact/s: The property is an example of early life during a time where resources were scarce after the Great Depression.

Finding 2: It is or was once associated with persons important to local, California, or national history.

Fact/s: The property is associated with Konstanty Stys, an important person to local history.

Finding 3: It embodies the distinctive characteristics of a type, period, or method of construction.

Fact/s: The dwelling is a good example of Folk Architecture during the Depression era. Its method of construction is especially unique in that the builder utilized recycled and salvaged materials.

Finding 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

Fact/s: Konstanty Stys was known for his unique craftsmanship, also cited in "Judy Wright's *Claremont: A Pictorial History"* as "vernacular, anonymous, spontaneous, indigenous, or rural" architecture.

Finding 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

Fact/s: The structure and property has potential to yield information about the Depression era and the local area.

B. Integrity

Finding 1: Historic Landmarks must retain integrity from their period of significance with respect to location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its dilapidated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the property's eligibility.

Fact/s: The proposed landmark retains integrity from their period of significance with respect to location, design, materials, workmanship, and association. It retains sufficient integrity to convey its historic, cultural, or architectural significance.

4. This Commission hereby finds that the project has been reviewed and considered in compliance with the California Environmental Quality Act (CEQA) of 1970, as amended, and the Guidelines promulgated thereunder. The Commission finds that this Landmark Designation is exempt under CEQA, pursuant to State CEQA Guidelines Section 15331, as a Class 31 exemption (Historical Resource Restoration/Rehabilitation).

5. Based upon the findings and conclusions set forth in Paragraphs 1, 2, 3, and 4 above, this Commission hereby resolves that, pursuant to Section 17.18.020 of the Rancho Cucamonga Municipal Code, the Historic Preservation Commission of the City of Rancho Cucamonga hereby recommends approval of Landmark Designation on the 23rd day of April, 2014.

6. The Secretary to this Commission shall certify to the adoption of this Resolution.

APPROVED AND ADOPTED THIS 23RD DAY OF APRIL, 2014.

HISTORIC PRESERVATION COMMISSION OF THE CITY OF RANCHO CUCAMONGA

BY: _____
Francis Howdyshell, Chairman

ATTEST: _____
Candyce Burnett, Secretary

I, Candyce Burnett, Secretary of the Historic Preservation Commission for the City of Rancho Cucamonga, do hereby certify that the foregoing Resolution was duly and regularly introduced, passed, and adopted by the Historic Preservation Commission of the City of Rancho Cucamonga, at a regular meeting of the Historic Preservation Commission held on the 23rd day of April 2014, by the following vote-to-wit:

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

Appendix D-4

Historical Resources Impacts Analysis (McGee)

Memo

To: Michael Sizemore, Development Manager
Panattoni Development Company, Inc.

From: Kathryn McGee, Architectural Historian
kathryn@mcgeehistoric.com

Date: June 1, 2021

Re: 9th and Vineyard Development Project, Rancho Cucamonga, CA
Historical Resources Impacts Analysis for CEQA Review

Introduction

This memo provides review of potential historical resources impacts of the proposed 9th and Vineyard Development Project (proposed project) in Rancho Cucamonga, California. The project site is 47.15 acres, bounded by E. 9th Street to the north, Vineyard Avenue and Cucamonga Creek to the east, E. 8th Street to the south, and Baker Avenue to the west, including Assessor Parcel Numbers 0207-271-25, -27, -30, -40, -89, -93, -94, -96, and -97 (hereinafter referred to as "project site" or "subject property"). The subject property includes five existing buildings: 8803 Baker Avenue; 8855 Baker Avenue; 8729 E 9th Street; 8847 E 9th Street; and 8830 Vineyard Avenue. One of the existing buildings is considered an historical resource under the California Environmental Quality Act (CEQA): 8803 Baker Avenue, a single-family home. The proposed project involves rehabilitation and reuse of 8803 Baker Avenue as a community center, plans for which are currently being prepared and will be evaluated in a later report. The proposed project also entails the erection of three warehouse buildings that include office space and associated parking and landscaping. This memo provides evaluation of potential historical resources impacts of the proposed project on the *setting* of 8803 Baker Avenue.

Consultant Qualifications

Kathryn McGee is an architectural historian and historic preservation planner based in Los Angeles. With over twelve years of experience, she meets the Secretary of the Interior's Professional Qualification Standards in Architectural History. Ms. McGee was previously employed as a Senior Associate at historic preservation consulting firm Chattel, Inc. and launched an independent consulting practice in 2015. Her educational background includes a Bachelor of Arts degree in architectural history from the University of California, Santa Barbara and a Master of Urban and Regional Planning degree from the University of California, Irvine. She has also completed the Summer Program in Historic Preservation at the University of Southern California and is a LEED Accredited Professional with specialty in Neighborhood Development. Her consulting work entails writing reports for purposes of environmental and local project review; preparation of historic resource assessments and surveys; preparation of technical reports for General Plan Updates; evaluation of properties seeking or complying with

Mills Act Contracts; and consultation on adaptive reuse and federal Investment Tax Credit projects.

Regulatory Setting

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts. Relevant to evaluation of the subject property are designation criteria for historic landmarks, as described below:[1]

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.
B. Historic Landmarks must meet at least one of the following:
    1. It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
    2. It is or was once associated with persons important to local, California, or national history.
    3. It embodies the distinctive characteristic of a type, period, or method of construction.
    4. It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
    5. It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.
C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

California Register

Based substantially on the National Register of Historic Places, the California Register of Historical Resources (California Register) is "an authoritative guide… used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected."[2] For a property to be eligible for listing in the California Register, it must be found by the State Historical Resources Commission to be significant under at least one of the following four criteria:

[1] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

[2] California Public Resources Code §5024.1(a), *http://codes.lp.findlaw.com/cacode/PRC/1/d5/1/2/s5024.1*.

1) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; or
2) is associated with the lives of persons important in our past; or
3) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values; or
4) has yielded, or may be likely to yield, information important in prehistory or history.

Also included in the California Register are properties which have been formally determined eligible for listing in or are listed in the National Register; are registered State Historical Landmark Number 770, and all consecutively numbered landmarks above Number 770; and Points of Historical Interest, which have been reviewed and recommended to the State Historical Resources Commission for listing.

California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) was enacted in 1970 and offers protection for identified historical resources. In general, for purposes of CEQA and environmental review, an "historical resource" is that which has been determined eligible for listing in the California Register, or one that is designated at the local level. The term "historical resource" includes the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historical Resources (Pub Res Code SS5024.1, Title 14 CCR, Section 4850 et seq).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register (Pub Res Code SS5024.1, Title 14 CCR, Section 4852).
4. The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to 5020.1 (k) of the Public Resources Code), or identified in an historical survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Sections 5020.1 (j) or 5024.1.

Summary of Historic Resource Eligibility

A comprehensive historic resource assessment of 8803 Baker Avenue was prepared by this author in 2019, finding 8803 Baker Avenue eligible for listing as a City of Rancho Cucamonga Historic Landmark and in the California Register.[3] The property is significant as an important and rare example of local Folk Architecture, for its method of construction using salvaged local materials, for association with its original owner-builder, James Carwell, and for association with notable local builder Konstanty Stys. Due to alterations, especially loss of all original window sash, the subject property may not retain sufficient integrity for listing in the or National Register of Historic Places. It does not appear to be part of any historic district. Because it appears eligible for listing in the California Register and local designation, it is considered an historical resource for purposes of CEQA and local project review.

The character-defining features of 8803 Baker Avenue, as defined in this author's 2019 historic resource assessment report, are physical features extant from the period of significance, 1952-1953, that convey the property's significant historical associations. These features are listed below and for purposes of this memo are limited to the building exterior and site features, as the interior will be discussed in a later report on rehabilitation and reuse of the house:

- One-story scale and massing of house
- Primary façade of house oriented south, positioned along street
- Exterior walls of house made of concrete rubble
- West elevation chimney made of concrete rubble
- East elevation outdoor fireplace made of brick and concrete rubble
- Flat roof structure made of telephone poles and wood boards
- Full front porch with simple concrete structure, accessed by steps
- Pattern of door and window openings and concrete slip sills (where extant)
- Low curved walls located west of house bordering front yard
- Low brick pillars that were once components of the front yard fence

Archaeology

In 2020, Archaeologist Curt Duke, RPA, of Duke Cultural Resources Management prepared a report and field survey at the subject property and found the ground to be highly disturbed and concluded there is low potential of the proposed project to impact archaeological resources.[4]

Thresholds for Determining Significance of Impacts

According to the CEQA Guidelines, a project would result in a significant impact to historical resources if it would cause a *substantial adverse change* in the significance of an historical resource (California PRC §21084.1). A substantial adverse change is defined in CEQA Guidelines §15064.5(4)(b)(1), as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the *significance of an historical resource*

[3] Kathryn McGee, "Historic Resource Assessment: 8803 Baker Avenue, Rancho Cucamonga, CA 91730," prepared for Panattoni Development Company, April 26, 2019.

[4] Duke Cultural Resources Management, Letter report to Michael Sizemore, Panattoni Development Company, "Archaeological Resource Validation Memorandum for the 9th and Vineyard Development Project, City of Rancho Cucamonga, San Bernardino County, California," May 14, 2020.

would be materially impaired." The significance of an historical resource is materially impaired, according to CEQA Guidelines §15064.5(4)(b)(2), when a project:

> (A) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or
> (B) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to §5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of §5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of the evidence that the resource is not historically or culturally significant; or
> (C) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA. [5]

CEQA Guidelines also specify a means of evaluating the relative significance of project impacts on historical resources. CEQA Guidelines §15064.5(b)(3) state:

> Generally, a project that follows the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings or the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* (*Secretary's Standards*, Weeks and Grimmer, 1995), shall be considered as mitigated to a level of less than a significant impact on the historical resource. [6]

Under CEQA, the key issue relates to how a proposed development may impact the potential eligibility of a structure(s) or a site for designation as an historic resource. The *Secretary's Standards* were developed by the U.S. Department of the Interior to evaluate and approve work for federal grants for historic buildings and then for the federal rehabilitation tax credit (see 36 Code of Federal Regulations Section 67.7). The *Secretary's Standards* are used for regulatory approvals for designated resources but not for resource evaluations. CEQA has a "safe harbor" by providing either a categorical exemption or a negative declaration for a project which meets the *Secretary's Standards* (see State CEQA Guidelines Section 15331 and 15064.S(b)(3)). According to Appendix G of the State CEQA Guidelines, the appropriate threshold of significance is whether a project causes a substantial adverse change in the significance of a historical resource as defined in State CEQA Guidelines Section 15064.5. That Section provides a detailed definition of "substantial adverse change." In summary, the definition of substantial adverse change and, hence, the threshold of significance, is whether a project demolishes or materially alters in an adverse manner the physical characteristics that convey historical significance of the resource or that justify its eligibility for the California Register of Historical

[5] CEQA Guidelines §15064.5(4)(b)(2). Emphasis added.
[6] CEQA Guidelines §15604.5(b)(3).

Resources or a local register. In other words, if a project removes the essential character-defining features and/or would render an eligible historic resource ineligible, then there would be a significant adverse effect under CEQA.

Secretary of the Interior's Standards for Treatment of Historic Properties

The *Secretary's Standards* consist of four treatments, the most common of which is rehabilitation, which is defined as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values." The rehabilitation standards are:

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.
4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.
9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

The *Secretary's Standards* are intended to be flexible and adaptable to specific project conditions to balance change while retaining historic building fabric to the maximum extent feasible. The National Park Service has created a substantial amount of written guidance, most of it available online, including Illustrated Guidelines for Rehabilitating Historic Buildings, Preservation Briefs, Preservation Tech Notes, and Interpreting the Standards Bulletins (ITS).

Description of Proposed Project

The proposed project is described in a drawing set and renderings prepared by HPA Architecture, dated 12/07/20. For purposes of evaluation in this memo, the site plan focusing on the west portion of the project site nearest 8803 Baker Avenue, two sheets of elevation drawings, and three 3-D renderings were reviewed. This memo is limited to evaluation of potential impacts of the proposed project on the *setting* of 8803 Baker Avenue. As previously noted, a more detailed evaluation of the rehabilitation and reuse project on the 8803 Baker Avenue exterior and interior will be addressed in a future report.

The proposed project involves retention of 8803 Baker Avenue in place and entails the erection of three warehouse buildings that include office space (over one-million square feet of interior space in total), addition of surface parking and landscaping, and implementation of water and storm drain improvements. 8803 Baker Avenue is positioned in the west portion of the project site, just west of the proposed new "Building 3" warehouse. As Building 3 is the primary building visible from 8803 Baker Avenue, it is focused on in the following description.

Building 3 is proposed as a 270,356 square foot building consisting of 5,000 square feet of office space at first and second floors and 265,356 square feet of warehouse space. The building will be oriented west toward Baker Avenue and set back approximately 147-feet from the sidewalk edge. 8803 Baker Avenue will remain in place, roughly centered in front of Building 3. The west façade of Building 3 will be set back more than 37-feet from the east elevation of 8803 Baker Avenue. New surface parking lots with spaces for 107 vehicles will be constructed to the north and south of 8803 Baker Avenue, located approximately 90-feet away from 8803 Baker Avenue on either side. Vehicular access to Building 3 and the larger project site will be provided via driveways off Baker Avenue.

Building 3 will be 36-feet tall and utilitarian. The floor plan is generally rectangular. The building is composed as a horizontal mass with architecture that is clearly contemporary, expressed in simple, geometric forms. Exterior walls have smooth surfaces painted in off-white and grey. The primary west façade is twelve bays wide, distinguished by building entrances at its north and south ends. Outermost bays include windows with clean anodized mullions, blue reflective glazing, and metal canopies at first and second floors while three alternating central bays have similar windows though at the second floor only. The north and south elevations are generally void of fenestration, except near their west ends where there are windows. The east elevation has no windows and includes a loading dock with 28 dock doors.

Evaluation of Proposed Project

The following focuses on evaluation of potential historical resources impacts of the proposed project on the *setting* of 8803 Baker Avenue. The proposed project will not adversely impact the setting of the historical resource for the following reasons:

- The setting of 8803 Baker Avenue has changed substantially over time, outside the property's period of significance (1952-1953), and is not considered a character-defining feature of the historical resource. At the time of construction of the house in 1952-1953,

the property was surrounded by orange and lemon groves, which have been removed. Thus, the rural and agricultural character of the historic setting is gone. Additionally, the house was originally designed with associated site features such as low rubble and rock walls surrounding a pool and serving as fencing, as well as a rock monument in a corner of the back yard. Most of these early features are gone; alterations also include removal of an east elevation covered patio, a north elevation addition, a freestanding garage, a swimming pool, front yard fencing, site walls, and paving, all of which were removed in 2016. An adjacent house constructed by the original owner to the south in the early 1950s has also been demolished. Because the setting of the existing building has already been substantially altered, it is not considered a character-defining feature of the historical resource and therefore further changes to it would not adversely impact the setting of the historical resource.

- The sense of scale and mass of the existing one-story house, 8803 Baker Avenue, will not be adversely impacted by the proposed new construction due to the substantial setback (over 37-feet), of Building 3 from the east elevation of 8803 Baker Avenue. The setback from the east elevation of 8803 Baker Avenue is approximately the same as the new building's height of 36 feet. Therefore, the new budling will simply not have the ability to overwhelm the existing building.

- The architectural design of Building 3 has been sensitively designed to serve as a backdrop behind 8803 Baker Avenue. Building 3 will be utilitarian with simple geometric forms composed in such a way that it will not compete with the architecture of the existing historic house. The proposed design and materials, with painted and glazed surfaces in muted colors, will be obviously contemporary and will not promote a false sense of history. Given that the new building will be set so far back from 8803 Baker Avenue coupled with the fact that the design and materials are modest, it could not reasonably be said to compete with the architecture of 8803 Baker Avenue.

The following evaluates the proposed project for conformance with the Secretary's Standards; the most applicable standard being Standard 9:

1. *A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.*
   The proposed project will not demolish existing historic buildings; 8803 Baker Avenue will be retained in placed, rehabilitated, and reused as a community center, which is a compatible use that will require minimal changes to the existing materials and features. Plans for that project have not yet been prepared and will be described and evaluated in detail in a future report.

2. *The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.*
   As previously noted, plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report. However, the proposed new construction will not alter spatial relationships that characterize 8803

Baker Avenue. The new buildings will be set back a significant distance from 8803 Baker Avenue and therefore will not overwhelm the existing sense of scale and mass of the historic one-story residence. The setting of 8803 Baker Avenue has not been previously identified as a character-defining feature and therefore the spatial relationship of the existing single-family home to its setting will not be adversely impacted by the proposed project.

3. *Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.*
   The proposed project is clearly contemporary, with use of modern architectural design and materials. It does not mimic the appearance of 8803 Baker Avenue nor other historical styles. Therefore, it will not promote a false sense of history.

4. *Changes to a property that have acquired historic significance in their own right will be retained and preserved.*
   The proposed project does not involve demolition of any historic buildings. 8803 Baker Avenue will be retained in place, rehabilitated, and reused. Therefore, the proposed project will not remove any buildings or features that have taken on historic significance.

5. *Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

6. *Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

7. *Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

8. *Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.*
   The proposed project is not anticipated to encounter archaeological resources.

9. *New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*

The proposed new buildings will not destroy historic materials, features, or spatial relationships that characterize 8803 Baker Avenue. While plans for the proposed rehabilitation and reuse of 8803 Baker Avenue are still being made, the proposed new buildings, especially Building 3, which will be closest to 8803 Baker Avenue, have been carefully designed for compatibility with the historic building. The new architecture will be obviously contemporary in design and materials and thus differentiated from the historic building to avoid promoting a false sense of history. The proposed project will be compatible with the historic building, substantially set back from 8803 Baker Avenue by a length of distance approximately equaling its height. Therefore, the new construction will not have the sense of hanging over or overwhelming the one-story historic residence. The setting of 8803 Baker Avenue was not previously identified as a character-defining feature and therefore will not be adversely impacted by the proposed project.

10. *New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*
    The proposed project is not considered removable, but it's construction will not impair the essential form and integrity of 8803 Baker Avenue, as that building will be rehabilitated and reused in its current location.

Based on the above analysis, the proposed project reviewed in this memo is in conformance with the *Secretary's Standards*.

Conclusion

Potential historical resources impacts of the proposed 9th and Vineyard Development Project were described and evaluated in this memo, which focused on potential impacts to the *setting* of 8803 Baker Avenue. Potential impacts of the rehabilitation and reuse of 8803 Baker Avenue on that building exterior and interior will be evaluated in a future report once plans for that project are prepared. The proposed project reviewed in this memo was found to be in conformance with the *Secretary's Standards*, as the setting of 8803 Baker Avenue has previously been altered and is not considered character-defining; the new construction is substantially set back from 8803 Baker Avenue; and the new construction is designed with architecture and materials that are simple and modest such that they will recede visually and simply serve as a backdrop. Therefore, the proposed project, as reviewed in this memo, will not have a significant effect historical resources, pursuant to Section 21084.1 of CEQA.

Appendix D-5

Historic Resources Impacts Assessment (Rincon Consultants)

Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012
213-788-4842

Date: August 7, 2023
Project No: 19-08542

David Eoff, Senior Planner
City of Rancho Cucamonga
10500 Civic Center Drive
Rancho Cucamonga, California, 91730
Submitted via email: David.Eoff@cityofrc.us

Subject: Historical Resources Impacts Assessment for the 9th and Vineyard Development Project in Rancho Cucamonga, California

Dear Mr. Eoff:

This letter report presents the findings of a historical resources impacts assessment completed in support of the 9th and Vineyard Development Project (proposed project), located at the intersection of 9th Street and Vineyard Avenue in Rancho Cucamonga, California. A Draft Environmental Impact Report (EIR) was previously prepared in support of the project and circulated to the public in 2022. Due to changes in site conditions and refinements to the project description, the project requires the recirculation of the Draft EIR. The project applicant, CP Logistics Vineyard, LLC retained Rincon Consultants, Inc. (Rincon) to support the recirculation of the Draft EIR and the proposed project's compliance with the California Environmental Quality Act (CEQA). This letter report documents the results of the tasks performed by Rincon related to historical resources, specifically review of background information and conceptual designs associated with the proposed project and an assessment of the proposed project's potential to impact historical resources in accordance with CEQA. All work was completed in accordance with CEQA and applicable local regulations, including the City of Rancho Cucamonga's Historic Preservation Ordinance.

Project Site and Description

The project site is located in the City of Rancho Cucamonga, San Bernardino County. Specifically, the proposed project site encompasses portions of Section 9 of Township 01 South, Range 07 West on the *Guasti*, *California* United States Geological Survey (USGS) 7.5-minute topographic quadrangle (Figure 1). The project site is bound by 9th Street to the north, Baker Avenue to the west, Vineyard Avenue to the east, and the railroad corridor to the south. The roughly 50-acre project site is relatively flat and encompasses the following nine Assessor Parcel Numbers (APNs): 0207-271-25, -27, -39, -40, -89, -93, -94, -96, and -97. Although it is primarily undeveloped, a vacant residence is situated in the western portion of the project site, at 8803 Baker Avenue (Figure 2). Discussed in detail in the *Results* section below, the property (known as the Baker House) has been previously evaluated for historical significance and is considered a historical resources pursuant to CEQA.

The following project description has been adapted from information provided by CP Logistics Vineyard, LLC. The proposed project would involve construction of three warehouse buildings totaling 982,096 square feet (sf). Building 1 would be located on the east side of the project site and consist of 611,574 sf, inclusive of 4,000 sf of office space. Building 1 would have a maximum height of 48 feet 6 inches and operate as a cross-dock ware residence with 45 dock doors on the north side of the building and 49 dock doors on the souths side of the building, and 126 trailer parking spaces within the truck court/loading area. The truck courts/loading areas for Building 1 would be enclosed and

screened from public viewing areas by 8-foot-tall solid screen walls. Building 2 would be situated in the center of the project site and consist of 107,541 sf, inclusive of 4,000 sf of office space. Building 2 would have a maximum height of 45 feet and contain 12 dock doors and 12 trailer parking spaces on the east side of the building. Building 3 would be located on the west side of the project site and consist of 262,981 sf, inclusive of 5,000 sf of office space. Building 3 would have a maximum height of 46 feet 6 inches and contain 28 dock doors and 30 trailer spaces on the east side of the building and enclosed with an 8-foot-tall tube steel fence. An employment patio or break area would be provided outside each building for employee benefit. The project would also rehabilitate the Baker House for future use as a community center.

Regulatory Framework

This section includes a discussion of the applicable state and local laws, ordinances, regulations, and standards governing cultural resources, which must be adhered to before and during implementation of the project.

California Environmental Quality Act

California Public Resources Code (PRC) Section 21804.1 requires lead agencies determine if a project could have a significant impact on historical or unique archaeological resources. As defined in PRC Section 21084.1, a historical resource is a resource listed in, or determined eligible for listing in, the California Register of Historical Resources (CRHR), a resource included in a local register of historical resources or identified in a historical resources survey pursuant to PRC Section 5024.1(g), or any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant. PRC Section 21084.1 also states resources meeting the above criteria are presumed to be historically or cultural significant unless the preponderance of evidence demonstrates otherwise. Resources listed in the National Register of Historic Places (NRHP) are automatically listed in the CRHR and are, therefore, historical resources under CEQA. Historical resources may include eligible built environment resources and archaeological resources of the precontact or historic periods.

According to CEQA, an impact that results in a substantial adverse change in the significance of a historical resource is considered a significant impact on the environment. A substantial adverse change could result from physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resource would be materially impaired (CEQA Guidelines Section 15064.5 [b][1]). Material impairment is defined as demolition or alteration in an adverse manner [of] those characteristics of a historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR or a local register (CEQA Guidelines Section 15064.5[b][2][A]).

Section 15126.4 of the CEQA Guidelines stipulates an EIR shall describe feasible measures to minimize significant adverse impacts. In addition to being fully enforceable, mitigation measures must be completed within a defined time period and be roughly proportional to the impacts of the project. Generally, a project which is found to comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties (SOI) Standards is considered to be mitigated below a level of significance (CEQA Guidelines Section 15126.4 [b][1]).

National Register of Historic Places

Although the project does not have a federal nexus, properties which are listed in or have been formally determined eligible for listing in the NRHP are automatically listed in the CRHR. The following is therefore presented to provide applicable regulatory context. The NRHP was authorized by Section

101 of the National Historic Preservation Act and is the nation's official list of cultural resources worthy of preservation. The NRHP recognizes the quality of significance in American, state, and local history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects. Per 36 CFR Part 60.4, a property is eligible for listing in the NRHP if it meets one or more of the following criteria:

Criterion A: Is associated with events that have made a significant contribution to the broad patterns of our history

Criterion B: Is associated with the lives of persons significant in our past

Criterion C: Embodies the distinctive characteristics of a type, period, or method of installation, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction

Criterion D: Has yielded, or may be likely to yield, information important in prehistory or history

In addition to meeting at least one of the above designation criteria, eligible resources must also retain integrity. The National Park Service recognizes seven aspects or qualities that, considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, defined as follows:

Location: The place where the historic property was constructed or the place where the historic event occurred

Design: The combination of elements that create the form, plan, space, structure, and style of a property

Setting: The physical environment of a historic property

Materials: The physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property

Workmanship: The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory

Feeling: A property's expression of the aesthetic or historic sense of a particular period of time

Association: The direct link between an important historic event or person and a historic property

Certain properties are generally considered ineligible for listing in the NRHP, including cemeteries, birthplaces, graves of historical figures, properties owned by religious institutions, relocated structures, or commemorative properties. Additionally, a property must be at least 50 years of age to be eligible for listing in the NRHP. The National Park Service states that 50 years is the general estimate of the time needed to develop the necessary historical perspective to evaluate significance (National Park Service 1997:41). Properties which are less than 50 years must be determined to have "exceptional importance" to be considered eligible for NRHP listing.

California Register of Historical Resources

The CRHR was established in 1992 and codified by PRC Sections 5024.1 and 4852. The CRHR is an authoritative listing and guide to be used by state and local agencies, private groups, and citizens in identifying the existing historical resources of the state and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change (Public Resources Code, 5024.1(a)). The criteria for eligibility for the CRHR are consistent with the NRHP criteria but have been modified for state use in order to include a range of historical resources that better reflect the

history of California (Public Resources Code, 5024.1(b)). Unlike the NRHP however, the CRHR does not have a defined age threshold for eligibility; rather, a resource may be eligible for the CRHR if it can be demonstrated sufficient time has passed to understand its historical or architectural significance (California Office of Historic Preservation 2006). Furthermore, resources may still be eligible for listing in the CRHR even if they do not retain sufficient integrity for NRHP eligibility (California Office of Historic Preservation 2006). Generally, the California Office of Historic Preservation recommends resources over 45 years of age be recorded and evaluated for historical resources eligibility (California Office of Historic Preservation 1995:2).

A property is eligible for listing in the CRHR if it meets one of more of the following criteria:

Criterion 1: Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage

Criterion 2: Is associated with the lives of persons important to our past

Criterion 3: Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values

Criterion 4: Has yielded, or may be likely to yield, information important in prehistory or history

Compliance with the Standards

For the purposes of CEQA, impacts to a historical resource are considered mitigated below a level of significance when the project conforms to the SOI Standards (CEQA Guidelines §15126.4 [b][1]). The goal of the SOI Standards is to preserve the historic materials and distinctive character of a historical resource. Character-defining features are the tangible, visual elements of a building—including its setting, shape, materials, construction, interior spaces, and details—that collectively creates its historic identity and conveys its historic significance.

The SOI Standards establish professional standards and provide advice on the preservation and protection of historic properties and make broad-brush recommendations for maintaining, repairing, replacing historic materials, and designing new additions or making alterations. They cannot be used, in and of themselves, to make essential decisions about which features of a historic property should be saved and which might be changed. Rather, once an appropriate treatment is selected, the SOI Standards provide philosophical consistency to the work. There are SOI Standards for four distinct but interrelated approaches to the treatment of historic properties: preservation, rehabilitation, restoration, and reconstruction.

According to the SOI Standards, rehabilitation is deemed appropriate "when repair and replacement of deteriorated features are necessary, when alterations or additions to the property are planned for a new or continued use, and when its depiction at a particular period of time is not appropriate, rehabilitation may be considered as a treatment." The following lists the SOI Standards for Rehabilitation, which are most applicable of the SOI Standards to the proposed project:

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.

4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.
9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

City of Rancho Cucamonga Landmarks

City County may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of Ordinance No. 848, the City of Rancho Cucamonga Historic Preservation Ordinance, passed in 2011:

B. Historic Landmarks must meet at least one of the following:
    1. It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
    2. It is or was once associated with persons important to local, California, or national history.
    3. It embodies the distinctive characteristic of a type, period, or method of construction.
    4. It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
    5. It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility (City of Rancho Cucamonga 2011).

Background Research and Design Review

Methods

Rincon's background research consisted of review of the following throughout June and July 2023:

- *Historic Resource Assessment-8803 Baker Avenue Rancho Cucamonga, CA 91730*, prepared by Kathryn McGee in April 2019 and revised in June 2021 including the following attachment: Attachment D-2014 City Staff Report Staff Report Regarding Historic Landmark Designation (DRC2014-00206) (McGee 2021a)
- *9th and Vineyard Development Project, Rancho Cucamonga, CA Historical Resources Impacts Analysis for CEQA Review*, Prepared by Kathryn McGee in June 2021 (McGee 2021b)
- *Baker House Rehabilitation Existing Conditions Memo*, prepared by Page & Turnbull in October 2021

In addition to those noted above, Rincon reviewed the following, which were recently prepared in support of the project's design development:

- *Baker House Rehabilitation Existing Conditions Memorandum*, Prepared by Page & Turnbull in October 2021
- *Baker Community Center Conceptual Design Package*, Prepared by Page & Turnbull in October 2021

Results

Review of the documents noted above indicates that 8803 Baker Avenue has undergone previous recordation and evaluation. Most recently, the property was recorded and evaluated by Katherine McGee, in the 2021 *Historic Resource Assessment-8803 Baker Avenue Rancho Cucamonga, CA 91730* (McGee 2021a) (Attachment B). McGee 2021a concluded that the property is eligible for listing in the CRHR and for local designation as a City of Rancho Cucamonga Historic Landmark under Criterion 3/3, as an important and rare example of local Folk Architecture (McGee 2021a). Due to alterations, McGee concluded that the property may not retain sufficient integrity for listing in the NRHP (McGee 2021a). However, due to its CRHR and local register eligibility, the property is considered a historical resource pursuant to CEQA. McGee 2021a additionally noted the property's period of significance as 1952-1953, and outlined its character-defining features, or those that convey its significance, as follows:

- Exterior
  - One-story scale and massing of residence
  - Primary façade of residence oriented south, positioned along street
  - Exterior walls of residence made of concrete rubble
  - West elevation chimney made of concrete rubble
  - East elevation outdoor fireplace made of brick and concrete rubble
  - Flat roof structure made of telephone poles and wood boards
  - Full front porch with simple concrete structure, accessed by steps
  - Pattern of door and window openings and concrete slip sills (where extant)
  - Low curved walls located west of residence bordering front yard
  - Low brick pillars that were once components of the front yard fence

- Site Features
  - Low curved walls located west of house bordering front yard
  - Low brick pillars that were once components of the front yard
- Interior
  - Configuration of public spaces, including kitchen, hallway, living room
  - Living room fireplace on west wall, with integrated concrete and stone and brick work
  - Telephone pole and wood ceilings where they occur throughout

A partial historical resources impacts analysis of the current project was also prepared by McGee in 2021 in the *9th and Vineyard Development Project, Rancho Cucamonga, CA Historical Resources Impacts Analysis for CEQA Review* (McGee 2021b) (Attachment C). The analysis was focused on potential impacts on the Baker House relating to the construction of three warehouse buildings within the project site. At the time McGee 2021b was prepared, designs associated with the rehabilitation of the Baker House had not yet been developed. Therefore, the analysis focused on the setting of the Baker House and analyzed the potential impacts of the construction of three warehouse buildings within the project site on its setting. McGee 2021b concludes: "The proposed project reviewed in this memo was found to be in conformance with the SOI Standards, as the setting of 8803 Baker Avenue has previously been altered and is not considered character-defining; the new construction is substantially set back from 8803 Baker Avenue; and the new construction is designed with architecture and materials that are simple and modest such that they will recede visually and simply serve as a backdrop. Therefore, the proposed project, as reviewed in this memo, will not have a significant effect historical resources, pursuant to Section 21084.1 of CEQA" (McGee 2021b).

Conclusions and Recommendations

The impact analysis included here is organized based on the cultural resources thresholds included in CEQA Guidelines Appendix G: Environmental Checklist Form:

a. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?
b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?
c. Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Threshold A broadly refers to historical resources. To more clearly differentiate between archaeological and built environment resources, we have chosen to limit analysis under Threshold A to built environment resources. Archaeological resources, including those that may be considered historical resources pursuant to Section 15064.5 and those that may be considered unique archaeological resources pursuant to Section 21083.2, are considered under Threshold B and are discussed in Section 4.5-Cultural Resources and Section 4.17-Trical Cultural Resources of the EIR prepared by Rincon in support of the project. An analysis of the potential of the project to disturb human remains, including those interred outside dedicated cemeteries, is also included in Section 4.5-Cultural Resources of the EIR.

Impacts Analysis

In consideration of potential impacts of the proposed project on the Baker House, Rincon concurs with the findings presented in McGee 2021b, that the construction of three warehouses within the project site would not result in the material impairment of the Baker House resulting from alterations to its setting. The current setting of the Baker House consists primarily of undeveloped open space; the building is immediately surrounded by a few mature trees and shrubs. The proposed warehouse buildings appear sufficiently setback from the Baker House such that they would not significantly alter its current setting. Additionally, as a resource eligible for historical resources designation for its architecture, the setting of the Baker House is not essential in the resource's ability to convey its significance. Rather the building conveys its significance via the character-defining features outlined in McGee 2021a, none of which would be altered by the construction of the warehouses. Additionally, as noted in the McGee 2021b, the proposed warehouses would be differentiated from the Baker House by featuring contemporary designs and materials. As recommended in the SOI Standards, the contemporary design and materials of the proposed warehouse buildings would prevent the project from creating a false sense of historical development.

Since the time the McGee 2021b was prepared, project plans have progressed to include development of conceptual designs for the Baker House , presented in the *Baker Community Center Conceptual Design Package* (Conceptual Design Package) (Attachment D), prepared by Page & Turnbull in October 2021 The Conceptual Design Package includes three proposed concepts (Concept 1, Concept 2, and Concept 3) for rehabilitation of the Baker House into a community center. Each concept consists of a proposed interior layout including the following elements: a kitchen, office, great room, restroom, and accessible restroom. Each concept additionally includes a proposed site plan for the area immediately surrounding the Baker House, integrating the following elements not historically or currently present within the project site: playground, community garden, outdoor event space, and parking.

As previously noted in the *Regulatory Framework* Section of this memorandum, generally, a project which is found to comply with the SOI Standards is considered to be mitigated below a level of significance in accordance with CEQA. The SOI Standards for Rehabilitation, those most applicable to the proposed project as the Baker House is proposed to rehabilitated for a new use, allow for the alteration of a historical resource to make possible a compatible use while preserving those portions or features which convey its historical, cultural, or architectural values (Grimmer 2017).

The configuration of the residence's interior spaces, including the kitchen, hallway, and living room, were identified in McGee 2021a as character-defining (McGee 2021). All three of the concepts propose rearrangement of these interior spaces to create a more open floor plan appropriate for the residence's proposed use as a community center. As previously noted, the SOI Standards allow for flexibility in terms of alterations, in particular those necessary to facilitate the continued use of a resource. If alterations are implemented as sensitively as possible, it is possible for the project to comply with the SOI Standards despite the rearrangement of the residence's interior spaces. (For example, this would include the retention of the residence's other interior character-defining features such as telephone pole rafters, wood ceilings, and the living room fireplace.),

None of the concepts propose the alteration of the character-defining features of the residence's exterior or its site, for example its massing or concrete rubble walls. Rather, implementation of the concepts would primarily result in the incorporation of several new elements, for example a playground and community garden, into the area surrounding the residence, to support its new use as a community center. As its character-defining features would not be altered, this portion of the project appears in compliance with the SOI Standards as presented in all three concepts and none would result in the material impairment of the exterior of the Baker House.

Despite conceptual compliance with the SOI Standards, the current concepts are still in their preliminary stages and will be subject to further refinement. Accordingly, they do not provide detailed treatment methods for those character-defining features which will be affected or dictate replacement materials or finishes that may need repair or replacement. Therefore, Mitigation Measure CUL-1 Standards Rehabilitation Review, would be implemented to ensure that the project remains in compliance with the SOI Standards as it progresses though the design and construction phases. Additionally, to reduce potential impacts to historical resources that have the potential to occur as a result of the Baker House 's vacancy during construction, Mitigation Measure CUL-2 Mothballing Plan, would be implemented. In addition, as the proposed project includes a change in use for the Baker House, which would result in its material alteration, Mitigation Measure CUL-3 Interpretive Display would be implemented to further reduce impacts to the greatest extent feasible.

An analysis of potential impacts resulting from construction-related groundborne vibration associated with the project is presented in Section 4.13-14 of the EIR prepared by Rincon in support of the project (Rincon 2023). For the purposes of the analysis of the potential of construction related vibration to significantly impact historical resources, impacts would be considered significant if they would result in physical damage to historical resources. According to the analysis presented in Section 4.13-14, impacts resulting from construction-related vibration associated with the project would be less than significant for all buildings located over 37 feet from proposed construction activities. Accordingly, although unlikely, construction related activities have the potential to result in physical damage defined as minor cosmetic (i.e., non-structural) damage to the Baker House. Potential impacts to the Baker House as a result of construction vibration would be mitigated to less than significant with implementation of Mitigation Measure NOI-3 Construction Vibration, the details of which are included in Section 4.13-14 of the EIR, and no additional mitigation measures are necessary to reduce potential impacts to historical resources as a result of construction related vibration.

Recommended Mitigation

CUL-1 Standards Rehabilitation Review

The project team shall retain a qualified professional who meets the Secretary of the Interior's Professional Qualifications Standards in historic architecture or architectural history and possesses a minimum of 5 years of experience in historic preservation. The input from a historic professional should take place early and often in the design process, from conceptual and schematic phases through design development. The qualified professional shall be provided McGee 2021a report and rely on the report in regard to the identification and preservation of character-defining features. The qualified professional shall consult with the project design team and provide recommendations as needed to ensure compliance with the SOI Standards. Recommendations shall be integrated into the design as it progresses. The qualified professional shall review the rehabilitation plans at the 65% and 90% phase and provide recommendations as needed. Prior to the issuance of grading permits, the qualified professional shall prepare a SOI Standards Project Review Memorandum to document the rehabilitation's compliance with the SOI Standards. This memorandum shall be submitted to the City of Rancho Cucamonga for review and acceptance and included in the administrative record upon finalization.

CUL-2 Mothballing Plan

Prior to the issuance of grading permits, a qualified professional who meets the Secretary of the Interior's Professional Qualifications Standards in historic architecture or architectural history shall develop a Mothballing Plan for the Baker House to prepare the site for a sustained period of vacancy and minimize harm to the building. The Mothballing Plan shall require protective fencing around the

building and periodic checks to confirm the building is secure and stabilized. The Mothballing Plan shall follow guidance outlined in the NPS–prepared *Preservation Brief 31: Mothballing Historic Buildings*.

CUL-3 Interpretive Display

A historic preservation professional qualified who meets the Secretary of the Interior's Professional Qualifications Standards shall be selected to prepare an on-site interpretive display to be located near the historic building. The interpretive display shall include a brief history of the Baker House and its significance within the community. The interpretive display shall be installed within one year of the completion of the rehabilitation.

With implementation of Mitigation Measure CUL-1, CUL-2, and CUL-3, impacts to historical resources would be less than significant. Should you have any questions concerning this study, please do not hesitate to contact the undersigned at 805-947-4817 or rperzel@rinconconsultants.com.

Sincerely,
Rincon Consultants, Inc.

Ashley Losco, MHP
Architectural Historian

Rachel Perzel, MA
Architectural Historian/Cultural Resources Program Manager

Attachments

Attachment A Figures
Attachment B McGee 2021a
Attachment C McGee 2021b
Attachment D Baker Community Center Conceptual Design Package

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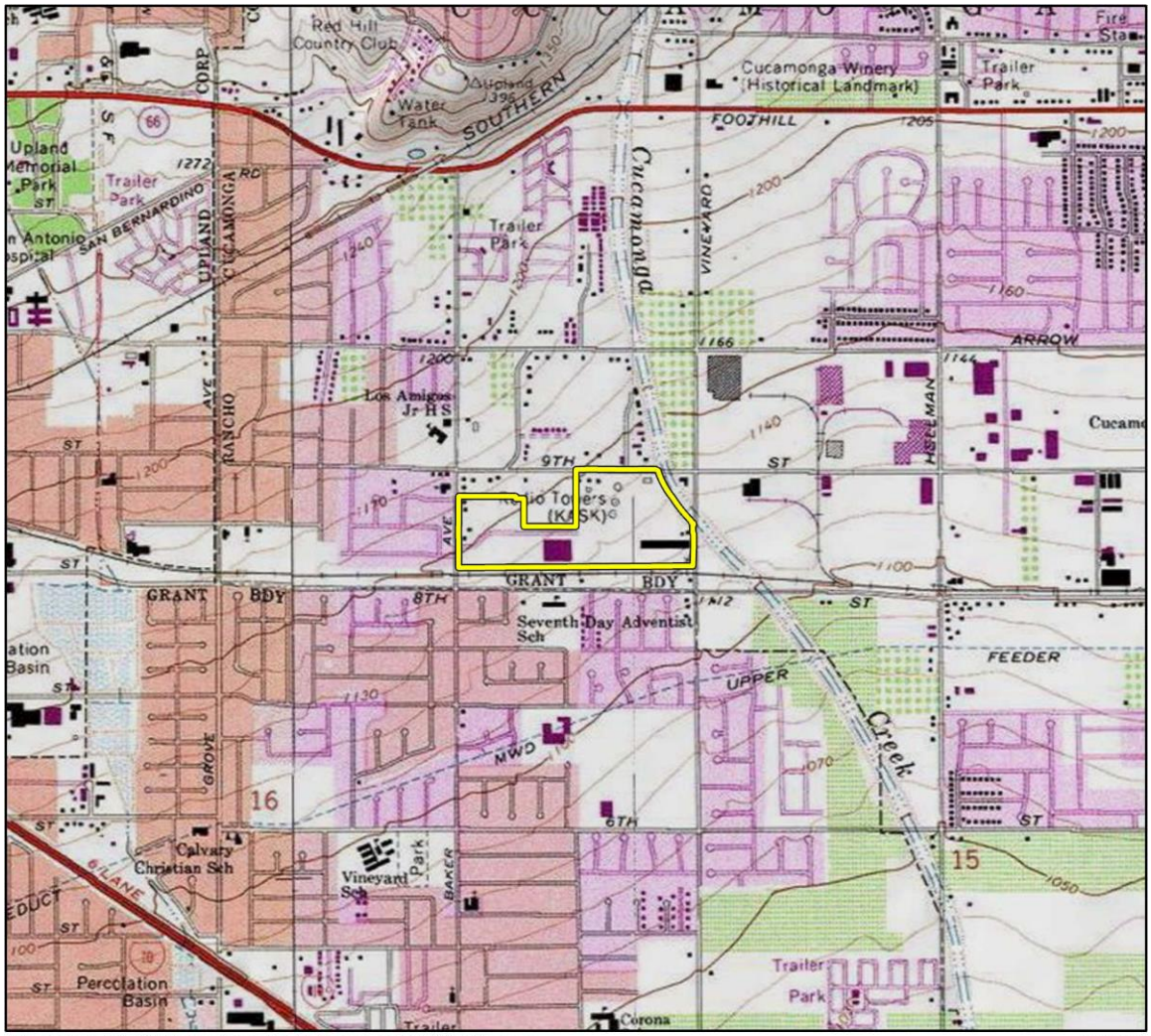
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Attachment A

Figures

Figure 1 Regional Location Map



Basemap provided by National Geographic Society, Esri and their licensors © 2023. Guasti Quadrangle. T01S R07W S09. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.

19-08856 CR
CRFig 1 Proj Locn Map



Project Location

0 1,000 2,000 Feet

N

Figure 2 Project Location Map



Attachment B

McGee 2021a

Historic Resource Assessment

8803 Baker Avenue
Rancho Cucamonga, CA 91730



Prepared for: Panattoni Development Company, Inc.

Prepared by: Kathryn McGee

April 26, 2019, Revised June 23, 2021

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Appendix A: Tables

Attachments
- Attachment A: Current Maps and Aerials
- Attachment B: Historic Maps and Aerials
- Attachment C: Current Photographs of Subject Property
- Attachment D: 2014 City Staff Report Regarding Historic Landmark Designation

I. INTRODUCTION AND EXECUTIVE SUMMARY

This historic resource assessment evaluates the parcel located at 8803 Baker Avenue in Rancho Cucamonga, California (Assessor Parcel Number 0207-271-40, hereinafter referred to in this report as "subject property"). The subject property contains one residential building constructed in 1952-1953. The current property owner is planning a project involving redevelopment of a larger area of land encompassing multiple parcels and including the subject property. An historic resource assessment is needed in order to determine if historical resources are present for purposes of California Environmental Quality Act (CEQA) and local project review.

The subject property has been previously evaluated for potential significance. It was nominated as a City of Rancho Cucamonga Historic Landmark in 2014, found eligible as a local landmark for potential association with local builder Konstanty "Steve" Stys (1894-1961) who is known to be an important person in local history, and as a good example of Folk Architecture constructed with unique materials.[1] The request for designation was withdrawn and the designation did not move forward. The subject property was evaluated a year later in an Historic Building Evaluation report prepared by CRM Tech, dated May 19, 2015.[2] That report included evaluation of both the subject property and 8817 Baker Avenue, which has since been demolished, and found both properties ineligible as historical resources under CEQA. However, a peer review of the CRM Tech report, prepared by LSA Associates, Inc., dated August 5, 2015, disagreed with the CRM Tech findings and asserted eligibility of 8803 Baker Avenue for local designation for potential association with Stys, and as a good example of Folk Architecture using salvaged building materials.[3]

This report provides a comprehensive evaluation, finding the property significant as an important and rare example of local Folk Architecture and for its method of construction using salvaged local materials, likely implemented with the assistance of noted local builder, Konstanty Stys. An historic context for Folk Architecture of the mid-twentieth century is included and focuses on the significance of the Pomona Valley as an important breeding ground for construction of vernacular buildings using salvaged local materials. Extant and intact examples of Folk Architecture in the area are rare. Extensive research was done to ascertain whether or not the building was constructed in association with Konstanty Stys. While anecdotal evidence suggests Stys was most likely involved, there is no written record of his participation; thus, a definitive link could not be confirmed.

Based on the above information, the subject property meets local eligibility criteria for listing as a City of Rancho Cucamonga Historic Landmark and for listing in the California Register of Historical Resources (California Register). Due to alterations, especially the loss of all original window sash, the subject property may not retain sufficient integrity for listing in the or National Register of Historic Places (National Register). It does not appear to be part of any historic district. Because it appears eligible for listing in the California Register as well as for local designation, it is an historical resource for purposes of CEQA and local project review.

This report was initially prepared on April 26, 2019 and revised on June 23, 2021.

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[1] Mayuko Nakajima, Assistant Planner, City of Rancho Cucamonga, Staff Report re Historic Landmark Designation DRC2014-00206-Dennis Myskow, submitted to Chairman of the Historic Preservation Commission, submitted by Candace Burnett, Planning Manager, April 23, 2014.

[2] CRM Tech, "Historic Building Evaluation for 8803 and 8817 Baker Avenue, City of Rancho Cucamonga, San Bernardino County, California," May 20, 2015.

[3] Casey Tibbet, Senior Cultural Resources Manager, LSA Associates, Inc., "Peer Review of the Historic Building Evaluation for 8803 and 8817 Baker Avenue, City of Rancho Cucamonga, San Bernardino County, California (May 20, 2015) Prepared by CRM TECH (LSA Project No. CRG1501)," August 5, 2015.

II. CONSULTANT QUALIFICATIONS

This report was prepared by Kathryn McGee with peer review by Jenna Snow. Ms. McGee visited and photographed the subject property on March 29, 2019.

Kathryn McGee
Ms. McGee is an architectural historian and historic preservation planner based in Los Angeles. With over twelve years of experience, she meets the Secretary of the Interior's Professional Qualification Standards in Architectural History. Ms. McGee was previously employed as a Senior Associate at historic preservation consulting firm Chattel, Inc. where she worked on the City of Rancho Cucamonga 2010 General Plan Update, managing preparation of the historic context statement and historic resource survey. She launched an independent historic preservation consulting practice in 2015. Her educational background includes a Bachelor of Arts degree in architectural history from the University of California, Santa Barbara and a Master of Urban and Regional Planning degree from the University of California, Irvine. She has also completed the Summer Program in Historic Preservation at the University of Southern California and is a LEED Accredited Professional with specialty in Neighborhood Development. Her consulting work entails writing reports for purposes of environmental and local project review; preparation of historic resource assessments and surveys; preparation of technical reports for General Plan Updates; evaluation of properties seeking or complying with Mills Act Contracts; and consultation on adaptive reuse and federal Investment Tax Credit projects.

Jenna Snow
In January 2015, Jenna Snow launched an independent historic preservation consulting practice office in Los Angeles. With over seventeen years of professional experience, Ms. Snow has a strong and broad understanding of best historic preservation practice, including federal, state, and local regulations. She has worked on a wide range of projects on both the east and west coasts, as well as internationally. Ms. Snow holds a M.S. in Historic Preservation from Columbia University and a B.A. in Fine Arts focusing on architectural history from Brandeis University. She meets the Secretary of the Interior's Professional Qualifications Standards in Architectural History. Throughout her career, Ms. Snow has authored, co-authored, and/or served as project manager for nearly 100 historic preservation projects, including a wide variety of historic resource assessments, National Register nominations, and historic resources surveys. She regularly contributes to environmental impact reports, historic preservation certification applications, Section 106 reviews and other work associated with historic building rehabilitation and preservation planning. Ms. Snow has prepared multiple National Register nominations, including the Twohy Building in San José, CA; the Beverly Hills Women's Club in Beverly Hills, CA; the Sam and Alfreda Maloof Compound in Rancho Cucamonga, CA; the Boyle Hotel/Cummings Block in Los Angeles, CA; the West Los Angeles Veterans Affairs Historic District in Los Angeles, CA, and Temple Ohave Israel in Brownsville, PA. She has completed historic resources surveys, including coauthoring historic context statements in Hollywood, Whittier, CA, and South Los Angeles. Prior to her consulting work, Ms. Snow worked for the New York City Department of Design and Construction in New York, NY, the Freedom Trail Foundation in Boston, MA, and the Neighborhood Preservation Center in New York, NY.

III. METHODOLOGY

Project methodology involved a site visit and research as described here:

Site Visit: Kathryn McGee, a Secretary of the Interior-qualified Architectural Historian, visited and extensively photographed both the exterior and interior of the building at the subject property on March 29, 2019. After walking the entirety of the property, she was given access to the interior by Michael Sizemore of Panattoni Development Company. Electricity to the property was turned off and windows were boarded at the time; the interior was dark with limited visibility. Photographs are included in Attachment C.

Aerial Photographs: Historic aerial photographs were obtained through an online database of the University of California, Santa Barbara and are included in Attachment B. Oblique historic aerials may also be available through the University of California, Los Angeles Air Photo Archive, but that archive was not open for research while this report was prepared. This is a recommended area for future research.

Building Permits: The original building permit documenting construction of the existing house in 1952-1953 is not available. Other historic building permits are available through the City of Rancho Cucamonga Building and Safety Services Department. Relevant data is referenced in this report. A table of available permit data is included in Appendix A.

Historic Property Data File: The California State Office of Historic Preservation (OHP) keeps statewide records on historic properties. Records for Rancho Cucamonga are indexed in the San Bernardino County Historic Property Data File (HPDF), but there are no entries for the subject property.[6] The property was previously evaluated in 2014 and 2015, as discussed below.

Interviews: Phone interviews were conducted with descendants of the original owners of the subject property, with Shirley Carwell (daughter of James and Jennie Carwell) and James Goody (grandson of James and Jennie Carwell), providing important information linking James Carwell to Konstanty Stys, which is discussed in this report. Shirley Carwell and James Goody stated they have historic photographs showing the property when it was first built and James Carwell in the act of construction, and will provide copies in the near future, though copies were not obtained in time for completion of this report.

Online Databases: Online databases were searched for information pertaining to the history of the subject property, including United States Federal Census, voter and death indexes, and city directory records available on *Ancestry.com,* as well as newspaper articles available on *Newspapers.com*. Relevant information is referenced in this report.

Ontario City Library, Robert E. Ellingwood Model Colony History Room: The Ontario City Library has an extensive archive of books and documents on local history, including historic city directories, and was searched for information pertaining to the history of the subject property. Relevant information is referenced in this report.

Prior Evaluations: The 2014 City staff report for historic landmark designation; 2015 evaluation prepared by CRM Tech; and 2015 peer review by LSA Associates, Inc., were reviewed and are

[6] California Office of Historic Preservation, *Directory of Properties in the Historic Property Data File, San Bernardino County,* December 3, 2007.

referenced in this report. The 2014 staff report includes photographs showing features that have since been demolished, and is included in Attachment D.

San Bernardino County Historical Archives: The San Bernardino County Historical Archives were searched for historic assessor lot and parcel books, which are available from 1895 through the early 1950s. Relevant data is referenced in this report.

Sanborn Maps: There is no Sanborn map coverage available for the subject property.

IV. REGULATORY SETTING

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts as described below.[7]

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.
B. Historic Landmarks must meet at least one of the following:
    1. It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
    2. It is or was once associated with persons important to local, California, or national history.
    3. It embodies the distinctive characteristic of a type, period, or method of construction.
    4. It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
    5. It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.
C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

Designation Criteria for Points of Historic Interest

A. The Council may designate a property as a Point of Historic Interest, if it meets the requirements applicable to Historic Landmarks under paragraph B of Section 2.24.050. Points of Historic Interest shall not be required to retain integrity from their periods of significance.
B. Designated Points of Historic Interest shall not be subject to the same restrictions applicable to designated Historic Landmarks and Contributing Resources.
C. Nothing in this Section shall be construed as limiting or foreclosing analysis of the impacts of a proposed project on a Point of Historic Interest under the California Environmental Quality Act.
D. The Commission shall maintain a current register of Points of Historic Interest for public use and information.

Designation Criteria for Historic Districts and Conservation Districts

A. The Council may designate a property or collection of properties as a Historic District if the proposed district meets the requirements of both paragraphs B and C of this paragraph

[7] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

Section.

B. Historic Districts must meet at least one of the following criteria:
    1. It has an identifiable, clear, and distinct boundary that possesses a significant concentration of structures sharing common historical, visual, aesthetical, cultural, archaeological, or architectural plan or physical development; or
    2. It demonstrates character, interest, or value as part of the development, heritage, or cultural characteristics of the community, state, or country; or
    3. It is the site of a significant local, state, or national event; or
    4. It is associated with the lives of persons important to local, state or national history; or
    5. It is identifiable as the work of a master builder, designer, architect, artist or landscape architect whose individual work has influenced the development of the community, county, state, or country.
C. Historic Districts must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, and association. Not all properties or structures in a proposed district need to retain all such original aspects, but a substantial number of such properties and structures must retain sufficient integrity to convey the historic, cultural, or architectural significance of the district. Neither deferred maintenance within a proposed district nor the dilapidated condition of its constituent buildings and landscapes shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the district's eligibility.
D. Conservation Districts: The Council may designate a property or collection of properties that do not qualify as a Historic District as a Conservation District if the proposed district has either:
    1. A distinctive, cohesive, and identifiable setting, character, or association that make it unique and an integral part of the City's identify; or
    2. A recognized neighborhood identity and a definable physical character and either high artistic value or a relationship to urban centers or Historic Districts that makes conservation of the proposed Conservation District essential to the City's history or function.

Relationship to this report: As noted above, the subject property was previously evaluated for potential significance. It was nominated as a City of Rancho Cucamonga Historic Landmark in 2014 and a City staff report was prepared for that nomination, finding the property eligible as a local landmark for potential association with Konstanty Stys, an important person in local history, and as a good example of Folk Architecture constructed with unique materials.[8] The designation did not ultimately move forward. The subject property was evaluated a year later in an Historic Building Evaluation report prepared by CRM Tech, dated May 19, 2015.[9] That report included evaluation of both 8803 and 8817 Baker Avenue, and found both properties ineligible as historical resources under CEQA. However, a peer review of the CRM Tech report, prepared by LSA Associates, Inc., dated August 5, 2015, disagreed with the CRM Tech findings and asserted eligibility of 8803 Baker Avenue for local designation for potential association with Konstanty Stys, and as a good example of Folk Architecture using salvaged building materials.[10] This report provides a fresh, comprehensive evaluation. For reasons stated in this report, the subject property

[8] Nakajima, Staff Report re Historic Landmark Designation.
[9] CRM Tech, Historic Building Evaluation.
[10] Tibbet, Peer Review.

meets eligibility criteria for designation as a City of Rancho Cucamonga Historic Landmark, though it does not appear to be a contributor to any historic district.

California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) was enacted in 1970 and offers protection for identified historical resources. In general, for purposes of CEQA and environmental review, an "historical resource" is that which has been determined eligible for listing in the California Register, or one that is designated at the local level. The term "historical resource" includes the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historical Resources (Pub Res Code SS5024.1, Title 14 CCR, Section 4850 et seq).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register (Pub Res Code SS5024.1, Title 14 CCR, Section 4852).
4. The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to 5020.1 (k) of the Public Resources Code), or identified in an historical survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Sections 5020.1 (j) or 5024.1.

Relationship to this report: For the reasons stated in this report, the subject property meets eligibility criteria for listing as a City of Rancho Cucamonga Historic Landmark as well as for listing in the California Register. Therefore, the subject property qualifies as an historical resource under CEQA.

California Register

Based substantially on the National Register, the California Register is "an authoritative guide… used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected."[11] For a property to be eligible for listing in the California Register, it must be found by the State Historical Resources Commission to be significant under at least one of the following four criteria:

[11] California Public Resources Code §5024.1(a), *http://codes.lp.findlaw.com/cacode/PRC/1/d5/1/2/s5024.1*.

1) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; or
2) is associated with the lives of persons important in our past; or
3) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values; or
4) has yielded, or may be likely to yield, information important in prehistory or history.

Also included in the California Register are properties which have been formally determined eligible for listing in or are listed in the National Register; are registered State Historical Landmark Number 770, and all consecutively numbered landmarks above Number 770; and Points of Historical Interest, which have been reviewed and recommended to the State Historical Resources Commission for listing.

The primary difference between eligibility for listing in the National and California Registers is integrity. Properties eligible for listing in the National Register generally have a higher degree of integrity than those only eligible for listing in the California Register. There is, however, no difference with regard to significance.

Relationship to this report: The subject property is not listed in the California Register. For the reasons stated in this report, the subject property appears eligible for listing in the California Register.

National Register

The National Register of Historic Places is "an authoritative guide to be used by federal, state, and local governments, private groups, and citizens to identify the nation's cultural resources and indicate what properties should be considered for protection from destruction or impairment,"[12] Administered by the National Park Service, the National Register is the nation's official list of historic and cultural resources worthy of preservation. Properties listed in the National Register include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archaeology, engineering, and culture. Resources are eligible for the National Register if they meet one or more of the following criteria for significance:

A) are associated with events that have made a significant contribution to the broad patterns of our history; or
B) are associated with the lives of significant persons in our past; or
C) embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D) have yielded or may be likely to yield, information important in history or prehistory.[13]

Once a resource has been determined to satisfy one of the above criteria, then it must be assessed for "integrity."[14] Integrity refers to the ability of a property to convey its significance. Evaluation

[12] *National Register Bulletin #16A: How to Complete the National Register Registration Form*, National Park Service, 1997.

[13] *National Register Bulletin #15, How to Apply the National Register Criteria for Evaluation*, National Park Service, 1990, revised 2002.

[14] Ibid.

of integrity is based on "an understanding of a property's physical features and how they relate to its significance." The National Register recognizes seven aspects or qualities of integrity: location, design, setting, materials, workmanship, feeling, and association. To retain integrity, a property must possess several, and usually most, of these aspects.

Relationship to this report: The subject property is not listed in the National Register. For the reasons stated in this report, the subject property does not appear to retain sufficient integrity for listing in the National Register, due to alterations.

V. PROPERTY DESCRIPTION AND HISTORY

Physical Description

Site
(Attachment A, Current Maps and Aerials; Attachment C, Current Photographs.)
The subject property is located at 8803 Baker Avenue in Rancho Cucamonga, California. Bordered by 9th Street to the north, Vineyard Avenue to the east, 8th Street, a railway (formerly the Atchison Topeka and Santa Fe Railway) to the south, and Baker Avenue to the west, the subject property consists of one parcel and contains one single-family home. Surrounding properties consist of a large area of undeveloped land immediately north, east and south, though there are housing tracts across the street to the west. The single-family home is set back from the street by a front yard with curved low walls incorporating bricks, concrete, and stone, and low brick and concrete posts that are remnants of fence. Landscaping has generally been removed, though there are some scattered trees.

Exterior



Fig 1 (left): Subject property, west elevation (center) and south façade (right), view northeast (McGee, 2019); Fig 2 (right): Subject property, west elevation, detail of concrete rubble exterior wall material, view west (McGee, 2019)



Fig 3 (left): Subject property, west elevation (center) and south façade (right), detail of telephone pole roof construction, view northeast (McGee, 2019); Fig 4 (right): Subject property, low wall located west of house in front yard, view southeast (McGee, 2019)

The building at the subject property is oriented facing south. It is one-story high and rectangular in plan with a flat roof, deep eaves, and side chimney. The building is low-slung with a sense of horizontality emphasized by the relationship of the simple massing to the flat roof. Composed of salvaged materials, the building can be described as an example of Folk Architecture. Exterior walls are made of a combination of concrete rubble mixed with stone and brick in some places,

often formed to appear as individual bricks, while the roof beams are made of telephone poles creating a deep canopy extending over a full-width south facade porch as well as over a portion of the north elevation. Door and window openings are recessed and generally boarded up, though inspection of windows from the interior reveals sash and glazing have all been removed. Windows have concrete slip sills.

The primary, south facade is asymmetrical in composition. The main entrance is roughly centered in the elevation, although there is another secondary door to the west. Former window openings include a large opening west of the secondary door, and a smaller opening between the doors and at the east end of the elevation. The full front porch consists of a simple concrete slab accessed by three concrete steps.

The north, rear elevation is also asymmetrical in composition and contains, from east to west, a former window opening, a smaller opening, a secondary door, and a large opening corresponding to the living room. The east elevation contains a central outdoor chimney flanked by former window openings. The west elevation does not contain any former window openings, though it contains a wide central chimney. The chimney has a low, boarded opening, presumably for a vent, in its north half.

Interior




Fig 5 (left): Subject property, interior, living room, view northwest (McGee, 2019); Fig 6 (right): Subject property, interior, living room, fireplace, view northwest (McGee, 2019)

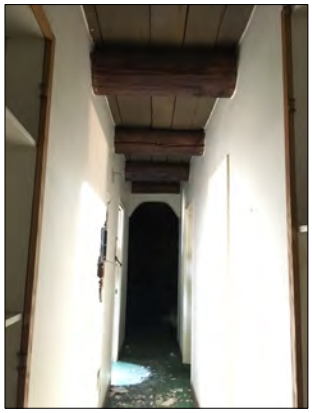



Fig 7 (left): Subject property, interior, hallway looking toward living room, view west (McGee, 2019); Fig 8 (right): Subject property, interior, bedroom (typical) (McGee, 2019)

The interior is generally in a state of disrepair with debris scattered in all rooms. The electricity is currently turned off and windows are boarded, so the interior is dark, making visibility and

photography difficult. Original telephone pole and wood beam ceilings are visible throughout. The main entrance provides access into a kitchen, where there are built-in wood cabinets, as well as a tile floor and tile backsplash on walls, which appears to be contemporary. The north wall of the kitchen opens into a central, carpeted hallway running east-west, which accesses a living room at the west end of the house through an arched opening; a closet and a bathroom to the north in the center of the house; and two bedrooms at the east end of the house. In the living room, the west wall is made of concrete incorporating stones of varying sizes and colors, encompassing a fireplace at the center, with brick inside the shaft and a small low opening for ventilation to the north, covered by a pair of wood swinging doors. In a phone interview with Shirley Carwell, the adult daughter of the original owners, James and Jennie Carwell, information was provided regarding family photographs that are integrated into the fireplace artwork. However, it is difficult to tell if that artwork is extant; further investigation into this topic is needed. Off the central hallway, the aforementioned closet has built in wood cabinets along its west wall, which are badly damaged, with many of the wood and glazed cabinet doors broken. The bathroom has contemporary tile covering walls; all fixtures and finishes are badly damaged. The bedrooms feature built-in closets, which are also damaged. Shirley Carwell also described a basement under the master bedroom, which was not toured at the time of the site visit.

History

History of Construction and Alterations
(Appendix A: Table of Building Permits; Attachment B, Historic Maps and Aerials)
The subject property is located just north of the Santa Fe Railway and about 2.5 miles southwest of the historic center of the Town of Cucamonga. Originally part of a tract of land known as Cucamonga Fruit Lands, the subject property once encompassed fifteen acres with orange and lemon groves when purchased by James Carwell (1918-2014) and Jennie Perona Carwell (born c. 1919) in 1947 (biography below). The Carwells constructed the existing house at 8803 Baker Avenue in 1952-1953, as well as an adjacent residence located immediately to the south at 8817 Baker Avenue, also in the early 1950s. They lived at 8803 Baker Avenue with their children for about fifteen years, while they rented out the other house, and farmed the orange and lemon groves. Historic aerial photographs show the property surrounded by agricultural land.



Fig 9: Historic aerial photograph showing the subject property, outlined in red, and its environs in 1953 (Source: UCSB Aerial Photograph Collection)

There is no original building permit available documenting construction of the house in 1952-1953. However, it is known that James Carwell designed and constructed the house using salvaged local materials, such as concrete rubble and telephone poles.[15] Working as a butcher, James Carwell did not have professional training in architecture or building. However, artistry is evident in Carwell's work. He incorporated artwork with images of the family into design of the fireplace (unknown if said artwork is extant). Photographs taken of the property in 2014 show artistic integration of materials into low rubble and rock walls surrounding a pool and serving as fencing, as well as a rock monument in a corner of the back yard (not extant).[16] It should also be noted the house was designed with a basement under the master bedroom where the Carwell family would often store wine for and made by friends who lived locally and worked as winemakers (basement was not toured on site visit).[17]

The artistry and distinctive use of materials is very similar to that of important local buildings designed and constructed by local builder Konstanty "Steve" Stys, especially the National Register-of Historic Places-listed Russian Village historic district in Claremont, and the building that now houses the Cask 'n Cleaver restaurant in Rancho Cucamonga. In the early 1950s when the Carwell's designed their house, Stys lived nearby, building his house and the restaurant that became Cask 'n Cleaver.[18] According to Shirley Carwell, Stys was a friend of her father and her family would often have parties at Stys' restaurant. According to James Goody, his grandfather mentioned getting ideas from a local man who showed him how to build, though Goody didn't know the name of the man, nor if it was Stys. From the National Register nomination for the Russian Village, it is known that Stys often helped other local individuals with advice on how to design and build their homes using salvaged local materials. He did not design and build all of the houses in the Russian Village himself. Thus, it is highly likely Stys at a minimum gave advice to James Carwell on the construction of his home, given the fact that the two were friends, lived close by each other, and constructed similar buildings around the same time in the same neighborhood.

The Carwells made other improvements to the property. They construed the aforementioned second residence in the early 1950s, a 1,200 square-foot wood frame and stucco house located at 8817 Baker Avenue (demolished). They rented out that house, though it was sometimes occupied by relatives. The Carwells also improved the property with a swimming pool east of the house in 1956, and with addition of a covered patio along the east elevation in 1958. They continued to live there until James Carwell got a new job as a meat inspector, and he and Jennie sold the property and moved away.

Title transferred to Charles H. Lescault and Donna J. Lescault in 1969 (biography below). The Lescaults do not appear to have made major changes to the property. Upon their divorce in 1973, they sold the property to Cucamonga fireman Dennis Myskow (biography below). Myskow lived there and constructed a freestanding workshop building the same year. He also constructed a substantial addition of 13 ½'x32' along the north elevation in 1977. Other known improvements included reroofing the building in 1995 and installation of roof-mounted photovoltaic panels in 2015. Several improvements were demolished in 2016, including the pool, covered patio, freestanding workshop, north elevation addition, as well as the house at 8817 Baker Avenue.

[15] Shirley Carwell, phone interview.
[16] Nakajima, Staff Report re Historic Landmark Designation.
[17] Ibid.
[18] Konstanty Stys and Antonia Stys lived at 8689 9th Street in 1954 ("Konstanty Stys," *Lusky's Official Greater Ontario Criss-Cross City Directory,* Santa Ana: The Directory Service Co., 1954: 160.)

The setting of the subject property changed dramatically over time, as land formerly used for agriculture was rapidly redeveloped with tracts of single-family homes through the 1970s (see *Attachment B, Historic Maps and Aerials).* Widespread development and need for shared resources ultimately led to the City's incorporation in 1977, consolidating the three towns of Cucamonga, Alta Loma, and Etiwanda into one municipality. By that time, the citrus groves had been removed from the land surrounding the subject property; surrounding parcels to the north, south, and west have largely been developed with single-family homes.

Photographs of subject property in 2015, prior to removal of north elevation addition, east elevation covered patio, and front yard fencing:





Fig 10 (left): Subject property, west elevation, showing north elevation addition (at left), view east, 2015
Fig 11 (right): Subject property, south façade and front yard, view northeast, 2015 (Source for both figures: CRM Tech, 7.)

Summary of Alterations

The following summary of alterations is compiled based on available building permits (see *Appendix A, Table of Building Permits*) and visual inspection. Alterations to the subject property since 1952-1953 include: addition of the adjacent residence at 8817 Baker Avenue (early 1950s); addition of swimming pool (1956); addition of covered patio along east elevation (1958); addition of freestanding workshop (1973); addition of a 13½' x 32' room along the north elevation (1977); reroofing (1995); installation of roof-mounted photovoltaic panels (2015); demolition of adjacent residence at 8817 Baker Avenue (2016); demolition of the east elevation covered patio, north elevation addition, freestanding garage, swimming pool, front yard fencing, site walls, and paving, and disconnection and capping of all utilities (all in 2016).

History of Owners

The history of owners is based on chain of title and historic lot books of the San Bernardino County Assessor. All available data is included in *Appendix A: Table of Owners*.

James Carwell and Jennie P. Carwell

James Carwell (1918-2014) and Jennie Perona Carwell (born c. 1919) owned the subject property from 1947-1969. James was born in Rancho Cucamonga, while Jennie was born in Pennsylvania. The couple "met in Cucamonga (before the Rancho) in a grape vineyard under a pepper tree at lunchtime," marrying in 1937 in San Bernardino.[19] James and Jennie had two daughters, Elsie and Shirley. Prior to moving to the subject property, the Carwells lived in Corona and Ontario.[20] After purchasing the subject property in 1947, they constructed their home there using salvaged local materials. They lived there with their children for about fifteen years. During that period, James

[19] "Couple Celebrates 70 Years Together," *Riverbank News,* February 28, 2007: 20.
"Marriage Licenses Issued," *The San Bernardino County Sun,* February 24, 1937: 10.

[20] "James Carwell," Records of the Selective Service System, 147; Box: 291, U.S. WWII Draft Cards Young Men, 1940-1947.
"James Carwell," *Ontario (California) City Directory 1951, Including Upland, Chino, Alta Loma, Cucamonga and Etiwanda,* Los Angeles Directory Co*,* 1951: 435.

worked in the meat business, at C.K. Packing Company on Chaffee Street in 1955[21] and Klapp Packing Co. on Euclid Avenue in Ontario in 1960.[22] He also worked "doing such jobs as chauffer, grape picker, butcher, State Meat Inspector and finally end[ed] his career as a Federal Meat Inspector."[23] Jennie worked as a homemaker. Shirley and Elsie would often pick fruit from the citrus groves and sell it in the neighborhood.[24] After selling the subject property in 1969, James and Jennie lived throughout California, retiring to Riverbank in the late 1980s. James Carwell continued to work on arts and crafts as a hobby. A 2002 newspaper article about a yard sale he hosted notes, "Carwell is retired and spends much of his time refinishing furniture, converting old tea pots and coffee urns to lamps, and making swag or hanging lanterns decorated with Brazilian agate."[25]





Fig 12 (left): James and Jennie Carwell, 2007 ("Couple Celebrates 70 Years Together," *Riverbank News,* February 28, 2007: 20.)
Fig 13 (right): James Carwell, 2002. Caption: "High Street resident Jim Carwell shows off a coffee pot converted to a lampstand which he offered in Saturday's yard sale conducted throughout Riverbank. Carwell is retired but keeps busy making things. The table displays more of his work, including lanterns faced with tiles of Brazilian agate…" (John Branch, "Successful Year for Yard Sale," *Riverbank News,* June 5, 2002: 1.)

Charles H. Lescault and Donna J. Lescault

Charles was born about 1936 in California.[26] The son of a feed salesman, he married Donna J. Billings (born c. 1940) in 1963 and the couple lived in Riverside.[27] After relocating to Ontario in 1964,[28] the couple ultimately purchased the subject property in 1969. They divorced in 1973,[29] and title to the property transferred to Dennis F. Myskow, who owned it until 2015.

Dennis Francis Myskow and Marilyn A. Myskow

Dennis F. Myskow (born in 1947)[30] and Marilyn A. Romig (born in 1952) [31] married in 1973 in San Bernardino.[32] The couple purchased and moved into the subject property the same year.

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[21] Company dissolved by 1957 ("Attempt to Cash $8,500 Check Brings Arrest," *The San Bernardino County Sun,* December 9, 1955: 20; "Two Men Charged With Grand Theft," *The San Bernardino County Sun,* February 7, 1957: 17.)

[22] "Raiding Dogs Attack Sheep in Stockyard," *The San Bernardino County Sun,* December 28, 1960: 18.

[23] "James Carwell," *findagrave.com.*

[24] Shirley Carwell, phone interview.

[25] John Branch, "Successful Year for Yard Sale," *Riverbank News,* June 5, 2002: 1.

[26] "Charles H. Lescault," *1940 United States Federal Census,* Census Place: Riverside, Riverside, California; Roll: m-t0627-00278; Page: 61B; Enumeration District: 33-54.

[27] "Charles H. Lescault," California Marriage Index, 1960-1985.

[28] "Charles H. Lescault," California; Great Register of Voters, 1900-1968, Residence Year 1964.

[29] "Charles H. Lescault," California, Divorce Index, 1966-1984.

[30] "Dennis F. Myskow," U.S. Public Records Index, 1950-1993, Vol. 1.

[31] "Marilyn A. Myskow," U.S. Public Records Index, 1950-1993, Vol. 1.
"Romig and Myskow Bethrothal Revealed," *Progress Bulletin (Pomona, California),* December 25, 1972: 55.

[32] "Dennis F. Myskow," California, Marriage Index, 1960-1985.

Marilyn graduated from the Dental Assisting program at Chaffey College in 1973. Dennis graduated from Chaffey College with a degree in automotive, served 2 ½ years with the Army, and was employed for many years by the Cucamonga Fire District. In 1980, he was an engineer with the Foothill Fire Protection District of the Rancho Cucamonga fire department.[33] He was a Fire Captain in 2003.[34] He remarried to Michele L. Myskow around 2007 and sold the subject property in 2015 to the Nevin Scheu Trust, Allyn Scheu Family Limited Partnership, and Allyson Scheu McQuade Property Trust.

[33] "Life-Saving Training, Firemen Rip Apart Cars," *The San Bernardino County Sun,* October 22, 1980: 36.
[34] "Students Give Firefighters A "Heart Attack," *The Los Angeles Times,* December 12, 2003: 71.

VI. HISTORIC CONTEXT

City of Rancho Cucamonga

The following overview of the City of Rancho Cucamonga's developmental history is excerpted from relevant sections of the City's historic context statement, prepared as part of the 2010 General Plan Update.[35]

> Context: Early Settlement (1811-1876)
> Originally inhabited by Indian tribes, the City of Rancho Cucamonga has been a center of land development opportunity since Franciscan priests and Spanish soldiers entered and began their occupation of the area in the late 18th century. The name "Cucamonga," a Shoshone word for "sandy place," first appeared in a written record of the San Gabriel Mission dated 1811. As a result of the secularization of the missions in 1831, the land owned by the missions was divided into land grants, including the 13,000 acre Rancho Cucamonga, granted to Los Angeles City Council president and businessman Tiburcio Tapia in 1839. The Rancho Cucamonga was defined by El Camino Real on its southern border, the San Gabriel Mountains to the north, the San Antonio Creek to the west and present-day Etiwanda Avenue to the east. Tapia built his home on the top of visually prominent Red Hill, planted some of Rancho Cucamonga's first vineyards, and built a small winery, which would later be enlarged and reestablished as the Thomas Winery in 1933 and then again as the Filippi Vineyards winery in 1967.[36] Portions of the historic winery buildings, located at the northeast corner of Foothill Boulevard and Vineyard Avenue, are currently being reused for commercial purposes.
>
> Upon the death of Tapia in 1845, Tapia's daughter, Maria Merced Tapia de Prudhomme, became the sole heir of the Rancho Cucamonga. Maria Merced's husband, Leon Victor Prudhomme, assumed control of the rancho and eventually sold it to John Rains in 1858. Rains significantly expanded the vineyards, planting approximately 125,000 to 150,000 vines. He was found murdered in 1862 and soon after his death, his widow, Dona Maria Merced Williams de Rains, inherited the ranch property. She encountered financial problems and the property fell into foreclosure, ultimately marking the close of the rancho way of life in the Cucamonga region.
>
> Context: Railroad and Agriculture Development (1887-1970)
> Theme: Town Development: Cucamonga, Alta Loma, and Etiwanda (1887-1945)
> Construction of railroads through the Cucamonga Valley allowed for tremendous growth of the local agriculture industry, the success of land sales, and subsequent development of the towns of Cucamonga (including the North Town neighborhood), Alta Loma and Etiwanda. Similar to other Southern California boomtowns,[37] construction of railroads through the region created a rapid increase in local development, enabling both people and goods to move in and out of Rancho Cucamonga at what was for the time an unprecedented speed, which dramatically increased agricultural production and sales.

[35] Chattel Architecture, Planning & Preservation, Inc., "City of Rancho Cucamonga Historic Context Statement, prepared for the City of Rancho Cucamonga 2010 General Plan Update, rev March 4, 2010: 3-4; 7; 15-17.

[36] Donald L. Clucas, *Light Over the Mountain,* Upland: California Family House Publishers, 1979: 70.

[37] Rail lines built in Southern California created a huge population boom in the region. The City of Los Angeles grew from 6,000 to over 50,000 people in the 20-year period from 1870 to 1890. The majority of cities incorporated in the Los Angeles area in the late 1800s experienced early growth due to availability of railways. (David Brodsly. "L.A. Freeway, An Appreciative Essay," Berkeley: University of California Press, 1981: 63; 68-69).

From the early 1900s to the 1950s, the northern portion of the City's landscape consisted of mostly citrus groves while the southern portion was dominated by vineyards.[38]

Context: Postwar Development (1945-1977)

Following World War II, Rancho Cucamonga's landscape began to shift from a rural to suburban environment, reflecting the nation-wide trend toward decentralization of the city. Driven by rapid highway construction, increasing automobile ownership, availability of modern building technologies, and the Baby Boom, the postwar period brought about an increase in housing demand and rising land values, spawning development of tract housing and light industry in Rancho Cucamonga on land previously used for agriculture.[39] After World War II and prior to incorporation in 1977, the City "experienced uncontrolled growth."[40] It ultimately became a sprawling suburb, with tract housing, neighborhood-scale shopping centers, office parks, and surface parking proliferating throughout the City, aiming to meet the needs of nearby residents while accommodating automobiles. Underscoring the dramatic increase in local development occurring postwar, in 1979, prominent local developer Lewis Homes (founded 1955 by Ralph and Goldy Lewis), announced sales of 533 single-family Inland Empire homes in the first nine months of the year, not including sales of commercial and multi-family developments.[41]

Historic aerial photographs of the City indicate that postwar tract housing was frequently inserted into plots of land formerly used for agriculture (fig 44).[42] Many such tracts represent the curvilinear residential suburb model that had become the nationwide standard for neighborhood design by the late 1940s (fig 43).[43] Characterized by curving streets as opposed to an orthogonal grid, this model was ideally interspersed with neighborhood parks, landscaping, and trails, with a small handful of housing models repeated throughout the tract. Standardization and large-scale production of housing stock allowed many homes to be built quickly and at a low cost, meeting the postwar demand for Veteran housing and accommodations to meet the needs of the continually growing population. As lands once occupied by agricultural uses were needed to accommodate this new pattern of development, the citrus groves and vineyards that had once characterized rural local landscape in Rancho Cucamonga eventually gave way almost entirely to suburbanization. Rising land values, coupled with pressure from realtors to sell land for residential development made it increasingly difficult for farmers to continue using their land for agriculture when it was worth more developed with housing.[44]

While a survey of all postwar housing in Rancho Cucamonga has yet to be performed, the City is home to several early postwar tracts, some of which retain a strong sense of time and place and as such should be considered for their historic significance as an intact grouping of postwar homes. For example, the housing tract located northwest of the historic town center of Cucamonga, bounded by Hellman Avenue to east and San Bernardino Road to the South, centering on Selma Avenue, Harvard Street and Montara

[38] Bob Hickcox, Rancho Cucamonga Oral History Project, Interview by Knox Mellon,13 Dec 1991, Introduction.

[39] David L. Ames and Linda Flint McClelland, "Historic Residential Suburbs: Guidelines for Evaluation and Documentation for the National Register of Historic Places," U.S. Department of the Interior, National Park Service, Sept 2002: 25.

[40] City of Rancho Cucamonga, "Rancho Cucamonga: A Tradition of Vision," undated brochure, 5.

[41] "Lewis Homes Hits $52.6 Million in Sales," Los Angeles Times, 13 Oct 1979: OC_C8.

[42] Robert DeBerard, Personal Interview, *Rancho Cucamonga Oral History Project,* Interviewers: Margo McBane and Margaret Finnegan, 7 June 2001, Transcript p. 13; 29.

[43] Ames and McClelland, 51.

[44] Ames and McClelland, 51.

Avenue (Cucamonga Vineyard Tract Subdivision B, Tract No. 5576, figs 43-48; see figs 49-51 for additional examples) appears to be a relatively intact example of postwar tract housing, with the majority of the houses in the tract organized along curvilinear streets culminating in cul-desacs, retaining original Swiss Chalet architectural features, street set-backs, and general sense of time and place as a collection of early postwar housing. Although tract housing was not beginning to be developed on a large scale in Rancho Cucamonga until the 1950s, development of housing tracts on local agricultural lands was sparked as early as 1942, when Kaiser Steel Mill began operations in nearby Fontana.[45] Initially producing steel to aid the war effort, Kaiser Steel Mill was the ninth-largest steel production facility in the country by the late 1950s, employing 7,700 workers at its peak in production.[46] This new industry helped spark regional growth, necessitating an increase in local housing stock for Steel Mill workers. Farmers received pressure to sell agricultural land from realtors who wanted to develop land for much needed Steel Mill worker housing.[47] Kaiser Community Homes, one of the many successful enterprises started by Henry J. Kaiser, developed many postwar housing tracts in the Inland Empire and nationwide.[48] In 1946, Henry Kaiser announced that his company would build more than 10,000 low-cost homes throughout the nation, beginning in Southern California and working towards the east coast.

While competition from imported steel suppliers and stricter air quality regulations gradually crippled Kaiser Steel Mill's business, closing operations in the 1980s, availability of low cost land throughout the Inland Empire continued to attract development to the area.[49] By 1995, the Inland Empire had become an attractive location for large warehouse construction, with large-scale "big box" retailers such as Home Depot and Wal-Mart setting up warehouses and distribution centers throughout the area at a much cheaper rate than would have been available in Los Angeles. Warehouses for manufacturing and metal fabrication also proliferated throughout the region, further enhancing need for large quantities of affordable housing in Rancho Cucamonga, although the majority of warehouses were constructed in Mira Loma, Rialto and Fontana.[50]

Also important in influencing postwar suburbanization in Rancho Cucamonga was increasing employment and transportation options offered by expansion of the nearby Ontario International Airport (originally Ontario Airport). In 1942 the United States government allocated Works Progress Administration funding to improve the existing dirt runway at the Ontario Airport to two paved runway for Army and Army Air Corps operations. At close of the war in 1945, airport operations lessened for a time, although the airport became Ontario International Airport in 1946. In 1949 airlines began offering regular passenger service into and out of the airport. Beginning in 1951, military

[45] Kaiser Steel was one of many successful businesses started by Henry J. Kaiser, "a prominent Los Angeles industrialist [who]established Kaiser-Permanente medical services in Los Angeles in the 1930s and founded Kaiser Industries. Kaiser Industries owned and operated a number of subsidiary raw materials plants, including Kaiser Metal Products, Kaiser Steel, Kaiser Aluminum and Chemical, and the Permanente Cement Company. Kaiser had earlier experience in large-scale low-cost housing, having participated in the construction of 800 units surrounding the Kaiser steel plant in Fontana. He also experimented with prefabricated Kaisercraft homes. [Fritz B.] Burns, [a successful Los Angeles developer] combined his expertise in land development and community building with Kaiser's corporate assets and access to raw materials to establish Kaiser Community Homes." (Historic Resources Group, California Department of Parks and Recreation 523d district record, Panorama City Historic District, 20 May 2002: 5.)

[46] Rob Leicester Wagner, *Sleeping Giant: An Illustrated History of Southern California's Inland Empire,* Las Vegas: Stephens Press, 2005: 111.

[47] Robert DeBerard, Transcript p28.

[48] DeBerard, 24.

[49] Wagner, 111.

[50] Wagner, 113.

operations at the airport resumed, using the airport for California Air National Guard operations for the Korean War. Various airport improvements and runway extensions took place through 1962. Airport traffic increased steadily over the years and in 1998 new terminals opened. By 2000, the airport had 6.7 million annual passengers, generating more than 55,000 jobs in the region.[51]

Context: Consolidation and Incorporation (1977-2010)
Encouraged by the initial boom in land values and development, Rancho Cucamonga colonists began discussing the possibility of incorporating the three towns of Cucamonga, Alta Loma and Etiwanda as early as 1887. Despite attempts at consolidation over the years, it was not until much later that this dream was realized. The City of Rancho Cucamonga was finally incorporated in 1977, consolidating Cucamonga, Alta Loma, and Etiwanda into one municipality, reaching a milestone sought after by local residents for nearly one hundred years. Incorporation halted the uncontrolled growth that had been occurring in the area and provided numerous other benefits, including increased park and recreation opportunities, improvements to existing neighborhoods, construction of new neighborhoods, and advances in local economic development. The three historic towns became part of the larger whole, providing opportunities for growth and improvement but also absorbing the character of each town center. As a result, the City has before it the opportunity to plan for the benefit of the City at-large while also continuing to recognize the historic communities from which it came.

Folk Architecture

Overview
Folk Architecture is a subset of vernacular architecture and refers to buildings designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. Folk Architecture is by nature common, perhaps only known to locals, and may not always be considered important by historians focused on the "high art." Nevertheless, as early as 1964, the significance of this form of building was recognized by the Museum of Modern Art in an exhibit publication entitled, *Architecture Without Architects: An Introduction to Non-Pedigreed Architecture,* in which Bernard Rudofsky underscores the difficulty with evaluation of the style:

> It is so little known that we don't even have a name for it. For want of a generic label, we shall call it vernacular, anonymous, spontaneous, indigenous, rural, as the case may be. Unfortunately, our view of the total picture of anonymous architecture is distorted by a shortage of documents, visual and otherwise.[52]

In the post-World War II period, there was a resurgence of American arts and crafts in general, due to multiple factors, such as the massive expansion of colleges and arts programs; the consumerism of the postwar era, which supported the rise of crafts;[53] and, the growth of imports in the 1960s allowing folk crafts from other countries to become available, resulting in a worldwide approach to evaluating crafts.[54] The Pomona Valley became an important center for the arts during this time period, providing "the perfect storm of proximity, isolation and college-

[51] Wagner, 137.
[52] Bernard Rudofsky, *Architecture Without Architects: An Introduction to Non-Pedigreed Architecture,* New York: Museum of Modern Art, 1964: preface, paragraph 1.
[53] Janet Koplos and Bruce Metcalf, *Makers: A History of American Studio Craft*, Chapel Hill: The University of North Carolina Press. 2010: 181-182; 255.
[54] Koplos and Metcalf, 378.

town community," allowing for the success of local artists.[55] The establishment of arts programs at local colleges engendered the growth of the local arts community which focused on handcrafted arts, in opposition to the post-World War II mass production and consumption of goods that had become prevalent across the country at the time. Internationally renowned woodworker Sam Maloof (1916-2009) established his woodworking business in Rancho Cucamonga during this time and made his home an important gathering place for local artists of the Pomona Valley, stimulating growth of that community.[56]




Fig 25 (left): Maloof Compound, exterior; Fig 26 (right): Maloof Compound, interior, carpentry workshop (Source, both figures: Chattel, Inc., National Register Registration Form, 2010)

Local Examples of Folk Architecture

The most relevant example of Folk Architecture to evaluation of the subject property is the Russian Village, a collection of fifteen, single-family, private homes in the neighboring City of Claremont, which were designed and constructed from 1923-1938 by a Polish immigrant and carpenter, Konstanty "Steve" Stys (1894-1961),[57] and other local individuals, using salvaged and local materials, specifically concrete rubble similar to that which is used at the subject property, and local stone.[58] The Russian Village was listed in the National Register in 1977; the nomination form provides the following background on its design and construction:[59]

> There is no evidence that Stys had any formal training in architecture. In fact, he had only a grade school education. The houses in the Russian Village were not built according to plans, but in an ad hoc manner, and belonged to a category of American domestic building which might well be called "folk architecture".[60]

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[55] Harold B. Nelson, *The House that Sam Built,* San Marino: The Huntington Library Press, 2011: 6.

[56] Maloof's career in woodworking began with work for Bauhaus-trained industrial designer, Harold Graham, and as a graphic designer and studio assistant for artist Millard Sheets. Maloof became a woodworker in 1948, establishing his first workshop. He is known for hand-crafted furniture, especially rocking chairs, and constructed his own residence and workshop buildings beginning in 1956 and adding to the property over decades. His personal philosophy engendered growth of local community; as one biographer writes, "His refusal to make furniture for the mass market and his insistence on maintaining a direct relationship with his clients are as much about community as they are about craftsmanship." Maloof's woodworking was featured in an exhibit at the Smithsonian Institute in Washington D.C. in 1970. The Maloof compound was originally located at 9553 Highland Avenue and moved to an approximately 5.5-acre site located at 5131 Carnelian Street in 1999-2000 to allow for construction of the State Route-30 freeway extension. The property was listed in the National Register in 2010 for association with Maloof and for exceptional architectural merit of the house and studio (Chattel, "Sam and Alfreda Maloof Compound," National Register Registration Form, Sect. 8, p. 17--23; Harold B. Nelson, *The House that Sam Built,* San Marino: The Huntington Library Press, 2011: 6-7.).

[57] "Konstanty J. Stys," *1930 United States Federal Census,* Census Place: Pomona, Los Angeles, California; Page: 11A; Enumeration District: 1464; FHL microfilm: 2339909.

"Konstanty Stys," Oak Park Cemetery, Claremont, Los Angeles County, California Tombstone Project, *http://files.usgwarchives.net/ca/losangeles/cemeteries/oakpark-s.txt*, accessed April 22, 2019.

[58] David Gebhard and Robert Winter, *An Architectural Guidebook to Los Angeles,* Salt Lake City: Gibbs Smith, rev 2003, Kindle Version, Location 6355.

[59] Leo M. Snowiss, Co-Chairman, Historic Russian Village Neighborhood Association, "The Russian Village," National Register of Historic Places Inventory—Nomination Form, Statement of Significance, December 21, 1977.

[60] Bernard Rudolfsky, *Architecture Without Architects,* New York, 1964.

> The Russian Village is comprised of fifteen private homes, either built by Stys or inspired by him, standing on both sides of one block of South Mills Avenue in Claremont and Montclair, California. The houses have a great deal of character. They are built of native fieldstone and rubble from broken-up concrete pavement slabs, roofed with tile and linked by low stone fences with iron gates. The street is shaded by elms and lined with fieldstone curbing.
>
> Konstany Stys is responsible for the aesthetic integrity of the village—both the harmony of its building materials and the plantings. He developed the larger portion during the Great Depression. Circumstances dictated its thematic unity: Stys means were limited to the creative use of salvaged and other cheap, readily-at-hand building materials. These houses stand virtually alone today, amidst a sea of tract-house sameness, the original surroundings of lemon and orange groves having disappeared in the years between…
>
> …The result is a unique community with important features worthy of historic recognition and preservation.

Current photographs showing use of concrete rubble in the Russian Village:





Fig 14 (left): Russian Village, concrete and stone walls on the east side of S. Mills Avenue in Claremont, view north (McGee, 2019); Fig 15 (right): Russian Village, 350 S. Mills Avenue, view northeast (McGee, 2019)





Fig 16 (left): Russian Village, 370 S. Mills Avenue, view east (McGee, 2019); Fig 17 (right): Russian Village, 305 S. Mills Avenue, view west (McGee, 2019)

The National Register nomination for the Russian Village describes that not all of the homes were actually built by Stys, as Stys was known for helping teach other locals to design and construct their own homes. For example, while 305 and 350 S. Mills Street were actually constructed by

Stys, 370 S. Mills Avenue was constructed by a teenage youth whose father had recently passed (pictured above).[61]

The National Register nomination asserts specific reasons for significance of the Russian Village, highlighting use of cement street rubble in homes as a "truly unique architectural phenomenon," and noting the following regarding the importance of design with salvaged materials:

> Hard times also dictated the use of the salvaged building materials common to all the houses. Although no two houses are identical, those built after the first two cottages commonly make use of pine shiplap board and paneling, adzed fir beams (occasionally including telephone poles—see the descriptive reports on 305 and 345 S. Mills), dormer casement windows, French doors, cast iron pipe structural supports, red clay tile roofing from demolished buildings, and kitchen/bathroom tiles in various unmatched shades of green), which Stys evidently procured in large numbers from the discarded seconds of a local manufacturer. Along with the fieldstone and cement rubble, the imaginative use of these discarded materials has contributed to the stylistic unity and charm of the entire Russian Village…

Stys is also credited with design and construction of several other houses on S. Indian Hill Boulevard in Claremont (exact addresses unknown), and four other homes are said to have been built with his "active advice" at 443 W. 10th St, 100 Oxford St, and 363 and 373 Cucamonga Avenue.

In addition to his work in Claremont, Stys experimented with vernacular architecture in Rancho Cucamonga, designing buildings in close proximity to the subject property. Stys moved to the property that is now the Cask 'n Cleaver restaurant, originally constructing it as an orchard house about 1945[62] and adapting it to restaurant use and making improvements at the property through at least 1955, when he expanded the sue to include a "banquet hall, deluxe motel, and swimming pool."[63] Cask 'n Cleaver is very close by the subject property, only 0.3 miles northeast, and has design characteristics similar to those used at the subject property, especially through use of salvaged local materials and telephone poles in the roof structure.[64] In 1953, Stys also owned and resided at the former Trona Restaurant at 2250 East Ninth Street in Rancho Cucamonga, though it is unclear if this building is extant.[65]

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[61] Leo M. Snowiss, Co-Chairman, Historic Russian Village Neighborhood Association, "The Russian Village," National Register of Historic Places Inventory—Nomination Form, Statement of Significance, December 21, 1977, Continuation Sheet, Photographs, Page 8.

[62] The building originally housed an orchard house, then RoVal's restaurant and Casa de Mayo restaurant. Cask 'n Cleaver moved into the location in 1967, when the business was founded. (David Allen, "At 50, Cask 'n Cleaver party recalls prime years," *Inland Valley Daily Bulletin,* July 25, 2017, *https://www.dailybulletin.com/2017/07/25/at-50-cask-n-cleaver-party-recalls-prime-years/*, accessed April 21, 2019).

Cask 'n Cleaver, organization website, *http://casknCleaver.com/aboutus.html*, accessed April 21, 2019).

[63] "Continued from City Page," *The San Bernardino County Sun,* August 12, 1955: 22.

[64] Other early buildings in the City utilizing telephone poles in construction include Etiwanda Road House, 12583 Highland Avenue, constructed, c. 1926, and Owen Electric Building, 8889 Archibald Avenue (date of construction unknown).

(Chattel, Inc., "Etiwanda Road House, 12583 Highland Avenue," State of California Department of Parks and Recreation Primary Record, 2009; Chattel, Inc., "Owen Electric, 8889 Archibald Avenue," State of California Department of Parks and Recreation Primary Record, 2009.)

[65] "Legal Advertisement," *The San Bernardino County Sun,* January 12, 1953: 11.




Fig 18 (left): Cask 'N' Cleaver site, building 1, main restaurant, view southeast (McGee, 2019); Fig 19 (right): Cask 'n Cleaver site, building 2, north of restaurant, view southeast (McGee, 2019)




Fig 20 (left): Cask 'n Cleaver site, building 3, north of restaurant, view southeast (McGee, 2019)
Fig 21 (right): One of the seven redwood bungalows (not extant) formerly located north of Cask 'n Cleaver (Source: Chattel, Inc., "Madrone Avenue," State of California Department of Parks and Recreation Primary Record, 2009)

Stys also designed a row of diminutive redwood bungalows just north of the existing Cask 'n Cleaver restaurant in the 1950s (see *Attachment B: Historic Aerials*). The bungalows were allegedly constructed from wood salvaged from wreckage in the Long Beach earthquake of 1933,[66] and were recorded in a 2009 historic resource survey completed for the 2010 general plan update,[67] though they were in poor condition at the time,[68] and were ultimately demolished to make way for the existing Los Amigos Park, which opened in 2017.[69] Some of the lumber from the bungalows was salvaged and reused in the shade structure for the park, while some of the original river rocks were incorporated into various structures.

Use of salvaged materials is evidenced in other buildings in Rancho Cucamonga, such as the Etiwanda Road House, located at 12583 Highland Avenue (constructed c. 1926, extant), and Owen Electric building, located at 8889 Archibald Avenue (date of construction unknown, extant), both of which incorporate telephone poles into front porch designs. Also relevant to this discussion is the Chinatown House, the last building that remained on the former historic Chinatown site at 8581 San Bernardino Road, which was made of local materials without the work of a trained architect, (constructed c. 1919, demolished).

[66] "Here's when Rancho Cucamonga's new park will open and what it will feature," *The Inland Valley Daily Bulletin,* October 15, 2016, https://www.dailybulletin.com/2016/10/15/heres-when-rancho-cucamongas-new-park-will-open-and-what-it-will-feature/, accessed April 21, 2019.

[67] Chattel, Inc., "Cask and Cleaver, 8649 9th Street," State of California Department of Parks and Recreation Primary Record, 2009.

[68] Chattel, Inc., "Madrone Avenue, Russian Village," State of California Department of Parks and Recreation Primary Record, 2009.

[69] "Here's when Rancho Cucamonga's new park will open and what it will feature," *The Inland Valley Daily Bulletin,* October 15, 2016, *https://www.dailybulletin.com/2016/10/15/heres-when-rancho-cucamongas-new-park-will-open-and-what-it-will-feature/,* accessed April 21, 2019.



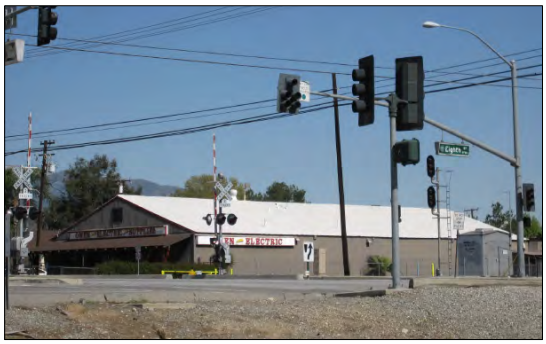


Fig 22 (left): Etiwanda Road House, 12583 Highland Avenue, Rancho Cucamonga (Source: Chattel, Inc., "12583 Highland Avenue," survey record, 2009; Fig 23 (right): Owen Electric building, 8889 Archibald Avenue, Rancho Cucamonga (Source: Chattel, Inc., "8889 Archibald Avenue," survey record, 2009)



Fig 24: Chinatown House (demolished) (Source: Chattel, Inc., "8581 San Bernardino Road," survey record, 2009)

Precedent for Evaluation of Folk Architecture

In addition to the National Register listing for the Russian Village, the significance of folk art environments in California has been previously established by other official historic designations, especially the individual listings of the immersive environments of Watts Towers of Simon Rodia at 1765 E. 107th Street in Los Angeles, listed in the National Register in 1977 and designated as a California Historical Landmark and National Historic Landmark,[70] and of Forestiere Undergroud Gardens at 5021 W. Shaw Avenue in Fresno, listed in the National Register in 1977 and designated a California Historical Landmark in 1979.[71] Statewide significance of folk art has also been established through the 1980 adoption of the National Register Thematic Nomination prepared for Twentieth Century Folk Art Environments in California, which describes the significant folk art environments of the state as follows:[72]

> These works can best be described as monumental sized sculptures consisting of a variety of structures, sculptural forms, and painted surfaces. Many include the artist's living space. Visitors walking through these sites will find themselves surrounded on every side by the vision of the artist, hence the term "environmental." The environments are the work of folk artists with no formal training in the arts. Each worked without knowledge of the others. Their work blends an art statement with folk crafts, such as wood carving, tile working, stone cutting and stitchery, traditions of folk art with roots in the colonial period…

[70] National Archives Catalog, *https://catalog.archives.gov*, accessed April 21, 2019.
[71] The Forestiere Underground Gardens, *http://www.undergroundgardens.com/about*, accessed April 21, 2019.
[72] Robert Selway et al., Office of Historic Preservation, "Twentieth Century Folk Art Environments in California," National Register of Historic Places Inventory-Nomination Form, 1978, entered into National Register 1980.

> …Each environment made use of the natural landscape and discarded materials to create their folk art works. The recycling and innovative use of both natural and cultural materials, whether shells and sand or trash, is an important characteristic of all the works.

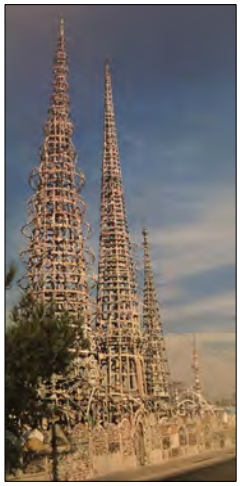




Fig 27 (left): Watts Towers, overall view (Source: Peter Selz, *Art in Our Times, A Pictorial History 1890-1980,* New York: Harry N. Abrams, 1981: 293); Fig 28 (right): Watts Towers, detail of outer fence with integrated artwork (Source: Watts Towers Arts Center, organization website, *https://www.wattstowers.org*)

In an effort to define Folk Art for purposes of project review, the City of Los Angeles' recently completed historic resource survey, known as SurveyLA, includes an historic context for Folk Art, 1850-1980, which defines Folk Art as a category, tracing its origins as a category in art history to the 1920s, mostly when applied to paintings and art objects, evolving to "utilitarian forms, especially household objects," and finally extending to architecture, as discussed here:[73]

> The broader concept of folk art, as applied to architectural resources from later periods and located outside of isolated communities, retains the assumption that the originator is talented but untrained. It differs, however, in two ways. First, it includes entire structures and landscapes as well as surface decoration. Second, there is less stress on the use of inherited vernacular modes and more on originality, to the point that eccentricity may be the most characteristic feature. This includes the unique uses of materials along with the creation of forms never before seen.
>
> Resources that fit this broader definition of Folk Art combine a number of elements—structures, landscape features, sculptures, assemblages of objects—into a unified whole. This whole is within a defined physical setting over which the creator has total control, typically the lot surrounding the creator's home. While apparently constructed without the use of formal plans, these resources show a unity of design, through common subject matter, forms and/or materials, based on the unique vision of the creator.[74]

Known examples in Los Angeles are few and tend to focus on the integration of artwork, rather than the architecture itself.

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[73] *Los Angeles Citywide Historic Context Statement, Context: Public and Private Institutional Development, 1850-1980, Sub-Context: Cultural Development and Institutions, 1850-1980, Theme: Folk Art, 1850-1980,* SurveyLA: Los Angeles Historic Resources Survey, City of Los Angeles, Department of City Planning, Office of Historic Resources, March 2019: 3-4.

[74] Jan Wampler, *All Their Own: People and the Places They Build,* New York: Schenkman Publishing Company, 1977: 9-15.

VII. EVALUATION OF SIGNIFICANCE

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts as described below.[75] Potential eligibility of the subject property under each criterion is discussed.

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.

B. Historic Landmarks must meet at least one of the following:

Criterion 1: It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

The subject property is evaluated in this report for its association with patterns of development during the time of its construction, the early 1950s. The majority of post-World War II development in Rancho Cucamonga involved redevelopment of land formerly used for agriculture into tract housing. The subject property represents a smaller scale development of a single parcel and does not readily contribute to our understanding of broad patterns of urban development. The subject property is not known to be the location of any important events. Therefore, the subject property does not meet Criterion 1.

Criterion 2: It is or was once associated with persons important to local, California, or national history.

The subject property is evaluated in this report for association with original owner-builder, James Carwell (1918-2014). The house was designed and constructed by Carwell as his residence and is considered an important example of Folk Architecture. However, Carwell does not appear to be a person important in our past. Carwell worked as a butcher and does not have other important historical associations. The only other resource potentially attributable to him is the adjacent residence at 8817 Baker Avenue (not extant), which is not known to have been historically or architecturally significant. Therefore, the subject property does not meet Criterion 2.

Criterion 3: It embodies the distinctive characteristic of a type, period, or method of construction.

The subject property is evaluated in this report for its Folk Architecture, a form of vernacular architecture designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. The importance of local Folk Architecture is established by the listing of Claremont's Russian Village in the National Register; the thematic nomination for Folk Art Environments

[75] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

in California, also listed in the National Register; and through other separate listings for individually significant Folk Art environments, as discussed in this report.

The Russian Village includes fifteen stone and concrete rubble houses constructed using salvaged local materials during the years 1923-1938. Many of these homes were designed and constructed by local builder Konstanty "Steve" Stys, a Polish immigrant (1894-1961), who also trained other locals to build their own houses in the Russian Village and elsewhere in the community. Stys also owned property in Rancho Cucamonga very nearby the subject property, and continued his work constructing Folk Architecture, building his house there using salvaged local materials in 1945. His property was later expanded and became the Cask 'n Cleaver restaurant (previously found eligible as an historical resource in the survey conducted for the City of Rancho Cucamonga's 2010 general plan update). While a definitive connection of the subject property to Stys could not be made, the house at the subject property was very likely constructed in association with Stys. Anecdotal evidence provided in this report confirms his likely involvement. Design of the house follows his traditions of local Folk Architecture, looks much like his other work, and is a rare example of its type.

Effectively utilizing salvaged local materials (concrete rubble, telephone poles, stones, and wood) and incorporating artful placement of stones and materials, such as at the living room fireplace and in the curved low walls in the front yard, the house at the subject property is a good example of Folk Architecture. This architecture and method of construction is unique, fitting into a significant historic context for Folk Architecture, examples of which are rare in Rancho Cucamonga and in Southern California. The subject property appears to be significant for this association and therefore meets Criterion 3.

Criterion 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

The subject property is evaluated in this report for association with local builder, Konstanty Stys. The similarities between Stys work and the house at the subject property are striking. Because on testimony of Carwell's descendants, as discussed in this report, there is a strong likelihood that Stys advised Carwell on construction techniques, similar to his approach advising locals at the Russian Village. However, the extent of Stys involvement cannot be explicitly demonstrated. Therefore, the subject property does not meet Criterion 4.

Criterion 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

The subject property cannot reasonably be expected to yield significant archaeology or information important to prehistory of the local area or otherwise. Therefore, the subject property does not meet Criterion 5.

C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

Integrity refers to the ability of a property to convey its significance. Evaluation of integrity is based on "an understanding of a property's physical features and how they relate to its significance." The National Register recognizes seven aspects or qualities of integrity: *location, design, setting, materials, workmanship, feeling, and association*. To retain integrity, a property must possess several, and usually most, of these aspects. The subject property appears to retain integrity from its date of construction, 1952-1953, as described below.

- *Location:* The building at the subject property has not been moved; therefore, the subject property retains integrity of *location.*
- *Design:* The massing, floor plan, and primary architectural features of the subject property have not been altered. The concrete rubble exterior walls, chimney, and roof structure with telephone poles and wood boards remain intact. The main alterations have been to window sash and glazing, which have generally all been removed and through additions along north and east elevations, which have also been removed. However, because the primary design features remain intact and the building is still easily readable as an example of Folk Architecture from its date of construction, the subject property retains integrity of *design.*
- *Setting:* The subject property was surrounded by agricultural land when the existing building was constructed. Citrus groves have been removed and the agricultural land has largely been replaced by tract housing developments. Therefore, the subject property may not retain integrity of *setting.*
- *Materials:* Given that the subject property is relatively unaltered in terms of its design and has the majority of its original materials, it retains integrity of *materials.*
- *Workmanship:* Because the subject property retains integrity of design and materials, it also retains integrity of *workmanship.*
- *Feeling and Association:* Because the subject property generally retains integrity of location, setting, and workmanship, it is able to convey *feeling* and *association*.

Designation Criteria for Historic Districts and Conservation Districts

The subject property was considered for potential eligibility as a contributor to a locally eligible historic district. However, there does not appear to be a cohesive grouping of buildings that includes the subject property and conveys a strong sense of time and place from any particular period in history. The subject property is not part of an intact grouping of early residential properties. Existing development along Baker Avenue currently includes a wide variety of land uses with varying dates of construction. There is not a strong sense of time and place from any particular period in history. There is no significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development. Therefore, there does not appear to be any district present.

California and National Registers

Because eligibility criteria for National and California Registers align, the following evaluation considers eligibility under each of the criteria at federal and state under a single heading.

Criterion A/1: Is associated with events that have made a significant contribution to the broad patterns of our history and cultural heritage.

The subject property is evaluated in this report for its association with patterns of development during the time of its construction, the early 1950s. The majority of post-World War II

development in Rancho Cucamonga involved redevelopment of land formerly used for agriculture into tract housing. The subject property represented a smaller scale development of a single parcel and does not readily contribute to our understanding of broad patterns of urban development. The subject property is not known to be the location of any important events. Therefore, the subject property does not meet Criterion A/1.

Criterion B/2: Is associated with the lives of persons important in our past.

The subject property is evaluated in this report for association with original owner-builder, James Carwell (1918-2014). The house was designed and constructed by Carwell as his residence and is considered an important example of Folk Architecture. However, Carwell does not appear to be a person important in our past. Carwell worked as a butcher and does not have other important historical associations. The only other resource potentially attributable to him is the adjacent residence at 8817 Baker Avenue (not extant), which is not known to have been historically or architecturally significant. Therefore, the subject property does not meet Criterion B/2.

Criterion C/3: Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values.

The subject property is evaluated in this report for its Folk Architecture, a form of vernacular architecture designed without the work of a trained architect, often constructed with found, salvaged, or locally available materials, and sometimes incorporating artwork into the design. The importance of local Folk Architecture is established by the listing of Claremont's Russian Village in the National Register; the thematic nomination for Folk Art Environments in California, also listed in the National Register; and through other separate listings for individually significant Folk Art environments, as discussed in this report.

The Russian Village includes fifteen stone and concrete rubble houses constructed using salvaged local materials during the years 1923-1938. Many of these homes were designed and constructed by local builder Konstanty "Steve" Stys, a Polish immigrant (1894-1961), who also trained other locals to build their own houses in the Russian Village and elsewhere in the community. Stys also owned property in Rancho Cucamonga very nearby the subject property, and continued his work constructing Folk Architecture, building his house there using salvaged local materials in 1945. His property was later expanded and became the Cask 'n Cleaver restaurant (previously found eligible as an historical resource in the survey conducted for the City of Rancho Cucamonga's 2010 general plan update). While a definitive connection of the subject property to Stys could not be made, the house at the subject property was very likely constructed in association with Stys. Anecdotal evidence provided in this report confirms his likely involvement. Design of the house follows his traditions of local Folk Architecture, looks much like his other work, and is a rare example of its type.

Effectively utilizing salvaged local materials (concrete rubble, telephone poles, stones, and wood) and incorporating artful placement of stones and materials, such as at the living room fireplace and in the curved low walls in the front yard, the house at the subject property is a good example of Folk Architecture. This architecture and method of construction is unique, fitting into a significant historic context for Folk Architecture, examples of which are rare in Rancho Cucamonga and in Southern California. The subject property appears to be significant for this association and therefore meets Criterion C/3.

Criterion D/4: Has yielded, or may be likely to yield, information important in prehistory or history.

The subject property cannot be reasonably expected to yield information important in prehistory or history; therefore, it does not appear eligible under Criterion D/4.

Period of Significance

The period of significance for the subject property is its date of construction, 1952-1953.

Character-Defining Features

The character-defining features, the physical features extant from the period of significance that convey significance, and should be preserved, include the following:

Exterior

- One-story scale and massing of house.
- Primary façade of house oriented south, positioned along street.
- Exterior walls of house made of concrete rubble.
- West elevation chimney made of concrete rubble.
- East elevation outdoor fireplace made of brick and concrete rubble.
- Flat roof structure made of telephone poles and wood boards.
- Full front porch with simple concrete structure, accessed by steps.
- Pattern of door and window openings and concrete slip sills (where extant)

Site Features

- Low curved walls located west of house bordering front yard.
- Low brick pillars that were once components of the front yard fence.

Interior

- Configuration of public spaces, including kitchen, hallway, and living room.
- Living room fireplace on west wall, with integrated concrete and stone and brick work.
- Telephone pole and wood ceilings where they occur throughout.

VIII. CONCLUSION

The subject property is evaluated in detail in this report, including thorough documentation of existing conditions, history of construction and alterations, and history of owners and tenants. The subject property was evaluated against relevant historic contexts and was found significant as an important and rare example of local Folk Architecture, most likely constructed in association with noted local builder, Konstanty Stys. The subject property meets eligibility criteria for local designation as a City of Rancho Cucamonga Historic Landmark and for the California Register, though it was not found to be a contributor to any historic district. Due to alterations, especially removal of all windows, it may not retain sufficient integrity for listing in the National Register. As the subject property appears eligible for local designation as well as for listing in the California Register, it is therefore an historical resource under CEQA.

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Appendix A: Tables

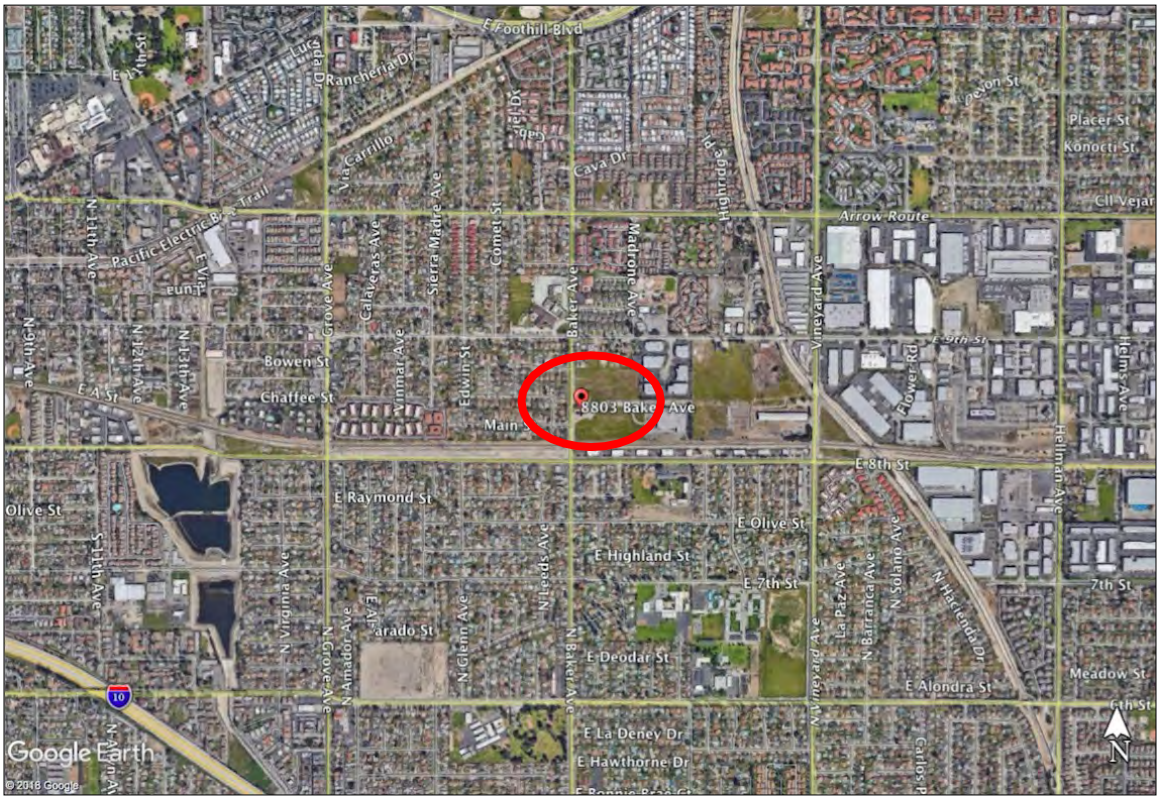
Table of Building Permits for 8803 Baker Avenue (on file with City of Rancho Cucamonga)

April 18, 1977	48870	Room addition, 13 ½ x 32.	Dennis F. Myscow	Not given	Illegible	$9,900.00
April 8, 1985	85-2966	MEP permit for water tank and other mechanical equipment.	Myskow	N/A	Sun Wizard	Not given
January 29, 1991	91-0451	MEP permit for kitchen sink.	Dennis F. Myscow	N/A	Owner	Not given
December 12, 1991	91-6511	Reroof detached garage only, built-up capsheet.	Dennis Myskow	N/A	Hulspeth, Inc.	$1,200.00
December 6, 1995	BL12495	Remove existing roof except insulation; reroof with Class A built gravel roof.	Dennis Myscow	N/A	Hudspeth, Inc.	$3,800.0
January 14, 2015	PMT2015-00164	Roof-mounted photovoltaic.	Dennis Francis Myskow	N/A	Vision Installation	Not given
August 22, 2016	PMT2016-02770	Demolition and removal of 480 s.f. wood-framed stucco-finished building addition, wood-framed patio cover, 1056 sf wood-framed stucco finished garage building, built in swimming pool fencing, site walls, and paving, plus disconnection and capping of all utilities.	Allyn Scheu Family Limited Partners	N/A	Alliance Construction Team, Inc.	Not given

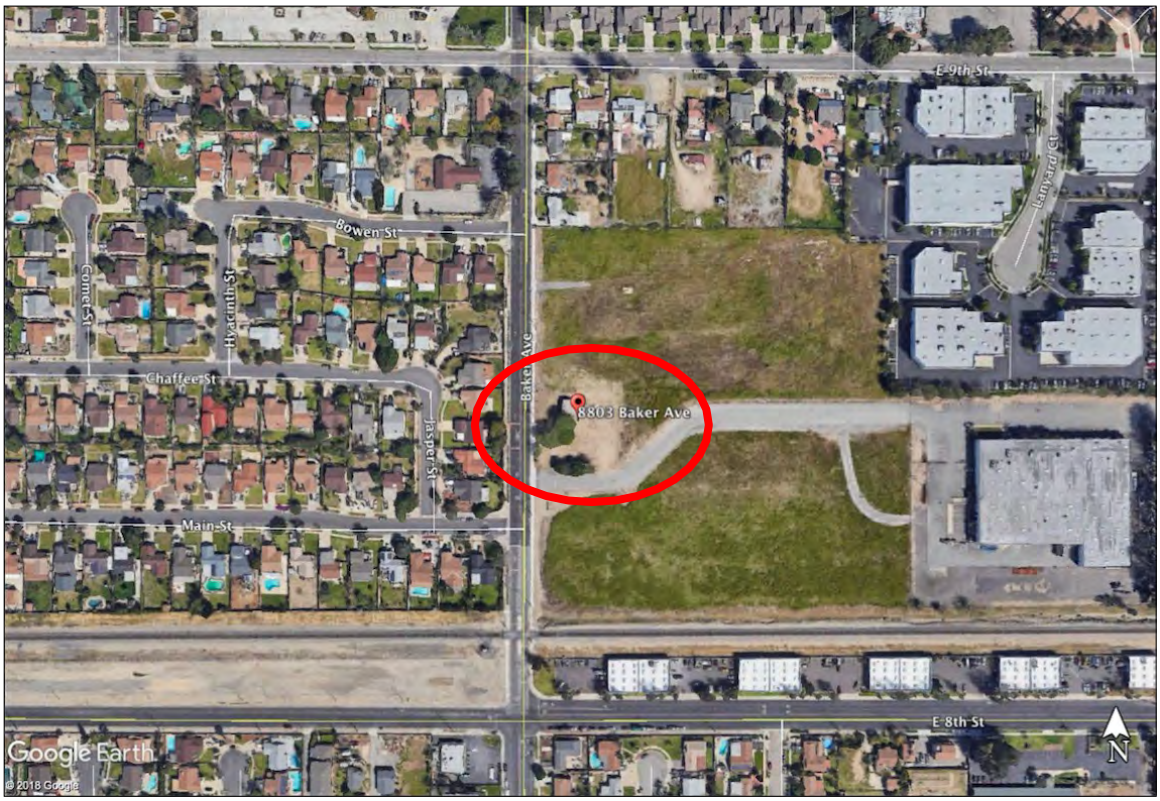
Table of Owners for 8803 Baker Avenue

Date	*Owner*
1900-1903	Cucamonga Fruit Lands Company
1904-1907	Samuel B. Jaggart
1908-1910	M.E. Post
1916-1926	C.A. Yeilding
1926-1931	Cyril F. Yeilding
1932-1939	E.B. Smith
1939-1944	Josephine E. Smith
1944-1947	Fred Fischer
1946-1947	James and Jennie Carwell; William C. and Anna C. Blazer; William A. and Eleanor Amlung
1947-1969	James and Jennie Carwell
1969-1973	Charles H. Lescault and Donna J. Lescault
1973-2007	Dennis F. Myskow and Marilyn A. Myskow
2007-2015	Dennis F. Myskow and Michele L. Myskow
2015-2019	Nevin Scheu Trust Allyn Scheu Family Limited Partnership Allyson Scheu McQuade Property Trust

Attachment A: Current Maps and Aerials

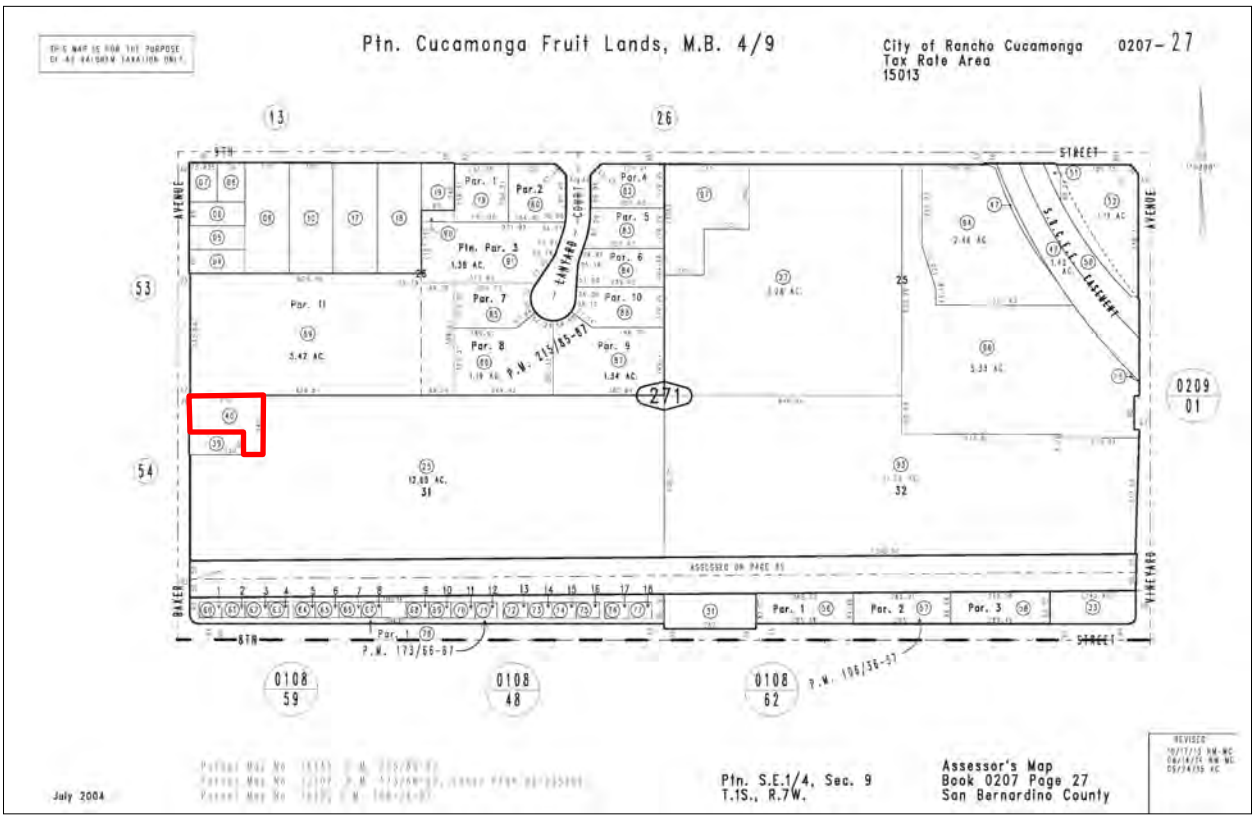


Map 1: Current aerial, subject property at center outlined in red (Google Earth)



Map 2: Current aerial, subject property outlined in red (Google Earth)

Attachment A: Current Maps and Aerials



Map 3: Assessor Parcel Map, subject property outlined in red (County of San Bernardino, Property Information Management System Internet Site)

Attachment B: Historic Maps and Aerials



Historic Aerial 1: Subject property outlined in red, 1930 (UCSB Aerial Photograph Collection)



Historic Aerial 2: Subject property outlined in red, 1938 (UCSB Aerial Photograph Collection)

Attachment B: Historic Maps and Aerials



Historic Aerial 3: Subject property outlined in red, 1949 (UCSB Aerial Photograph Collection)

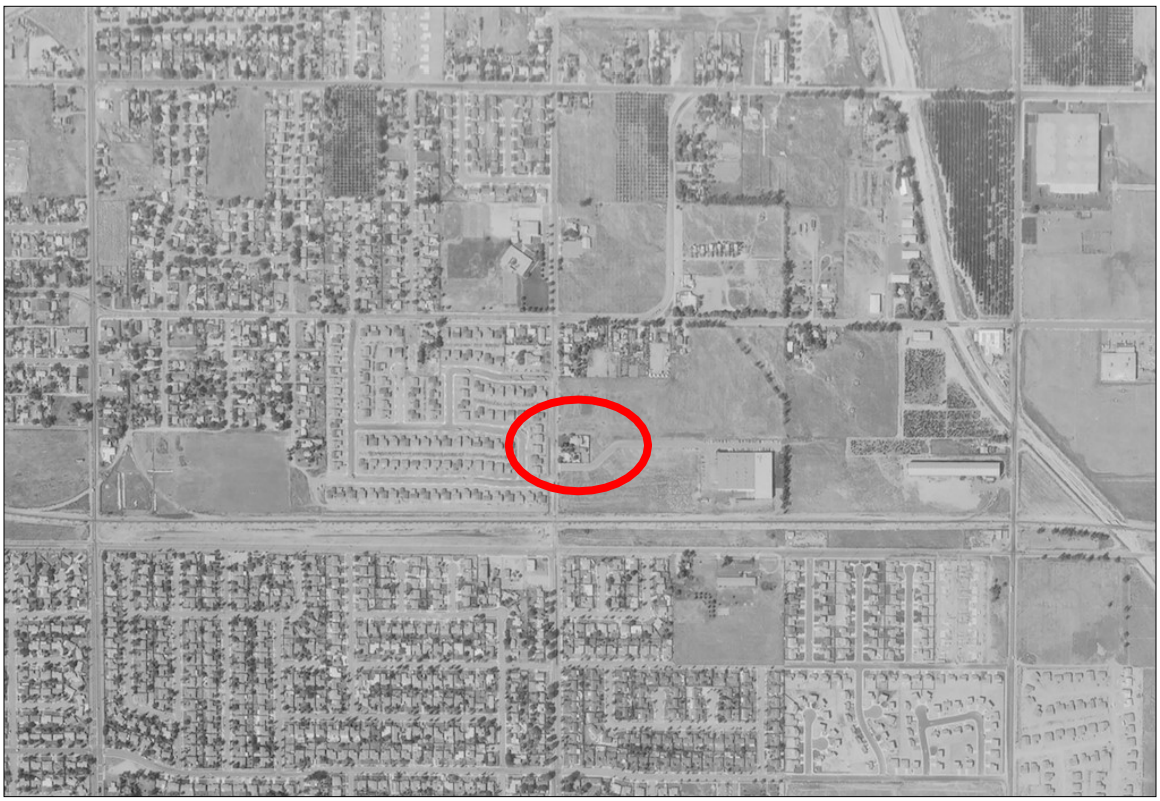


Historic Aerial 4: Subject property outlined in red, 1953 (UCSB Aerial Photograph Collection)

Attachment B: Historic Maps and Aerials



Historic Aerial 5: Subject property outlined in red, 1959 (UCSB Aerial Photograph Collection)



Historic Aerial 6: Subject property outlined in red, 1977 (UCSB Aerial Photograph Collection)

Attachment C: Current Photographs of Subject Property



Figure 1: Subject property, view of setting from Baker Avenue, view northeast, with subject property indicated by red arrow (McGee, 2019)



Figure 2: Subject property, view of setting from Baker Avenue, view southwest, with subject property indicated by red arrow (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 3: Subject property, west elevation, from Baker Avenue, view east (McGee, 2019)



Figure 4: Subject property, west elevation, view east (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 5: Subject property, west elevation, detail, view east (McGee, 2019)



Figure 6: Subject property, low wall in front yard located west of house, view southwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 7: Subject property, west elevation (left) and south façade (right), view northwest (McGee, 2019)



Figure 8: Subject property, south façade (center) and east elevation (right), view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 9: Subject property, south façade, view northwest (McGee, 2019)



Figure 10: Subject property, west elevation (left) and south façade (right), view northeast (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 11: Subject property, east elevation (center) and north elevation (right), view southwest (McGee, 2019)



Figure 12: Subject property, east elevation, detail, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 13: Subject property, east elevation, detail, view west (McGee, 2019)



Figure 14: Subject property, north elevation, view south (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 15: Subject property, interior, kitchen, view northeast (McGee, 2019)



Figure 16: Subject property, interior, kitchen, view southwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 17: Subject property, interior, hallway, looking toward living room, view west (McGee, 2019)



Figure 18: Subject property, interior, hallway, from living room, view southeast (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 19: Subject property, interior, living room, west wall with fireplace (left), view northwest (McGee, 2019)



Figure 20: Subject property, interior, living room, west wall with fireplace, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 21: Subject property, interior, living room, fireplace detail, view west (McGee, 2019)



Figure 22: Subject property, interior, living room, fireplace detail, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 23: Subject property, interior, closet, view north (McGee, 2019)

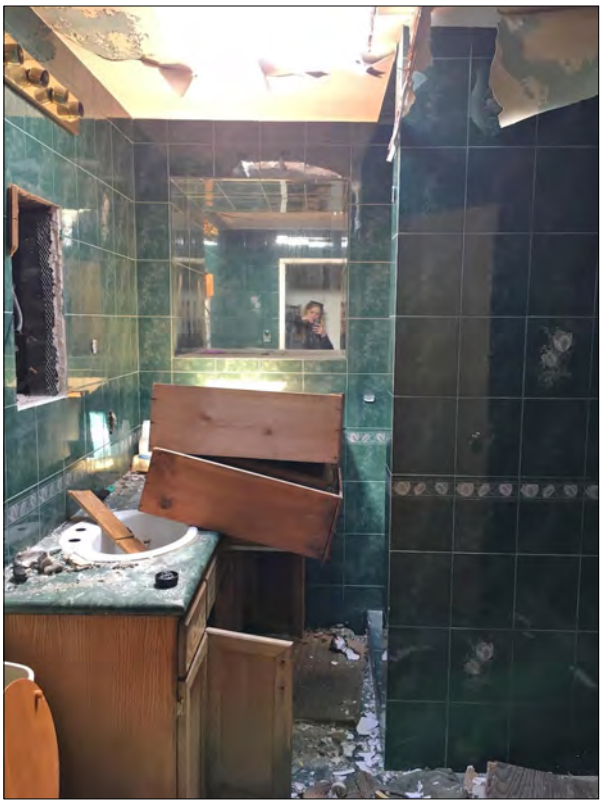


Figure 24: Subject property, interior, bathroom, north (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 25: Subject property, interior, northeast bedroom, view northeast (McGee, 2019)



Figure 26: Subject property, interior, northeast bedroom, view northwest (McGee, 2019)

Attachment C: Current Photographs of Subject Property



Figure 27: Subject property, interior, southeast bedroom, view southwest (McGee, 2019)



Figure 28: Subject property, interior, southeast bedroom, view southwest (McGee, 2019)

Attachment D

STAFF REPORT

PLANNING DEPARTMENT

RANCHO CUCAMONGA

Date: April 23, 2014

To: Chairman and Members of the Historic Preservation Commission

From: Candyce Burnett, Planning Manager

By: Mayuko Nakajima, Assistant Planner

Subject: HISTORIC LANDMARK DESIGNATION DRC2014-00206 - DENNIS MYSKOW - A request for a historic landmark designation for a single-family residence within the General Industrial District, located at 8803 Baker Avenue - APN: 0207-271-40. The project is categorically exempt under Section 15331 as a Class 31 exemption of the guidelines for the California Environmental Quality Act. This item will be forwarded to City Council for final action.

BACKGROUND

A. Historical Significance: The subject structure, located at 8803 Baker Avenue, was built in the late 1940s or early 1950s and is considered to be built in the Folk Architecture style. The structure is constructed of recycled and/or salvaged materials ranging from deeply textured paving stones, telephone poles, and native rocks. The telephone poles run all through the house to act as a support for the roofing. The backyard is outlined by a wall constructed of remnants of rubble and rock placed in various configurations. The structure retains most of its original material. The garage that sits on the southern portion of the site was built at a later date. Towards the northerly portion of the main structure, an addition was also constructed. Both later additions were completed by the current owner.

The house is believed to be built by Polish immigrant Konstanty "Steve" Stys. Originally from Poland, he immigrated to the United States and settled in Youngstown, Ohio before moving to California in 1921. He lived in Pomona, then he moved to Claremont, and finally to Cucamonga in 1946. He is perhaps most known for his affiliation with the Russian Village in Claremont. He was a rock craftsman of the area who put a lot of character into his work. The Russian Village encompasses a group of 15 homes lining Mills Avenue that were built of recycled and/or salvaged materials during the Great Depression. In 1923, Stys purchased the eastern side of Mills Avenue. He then sold lots to friends and needy families and helped them find building materials from wrecking yards, earthquake-damaged buildings from the 1933 earthquake, and local field stones from the alluvial plain around the City of Claremont. The homes are unified by their use of rock and street rubble as exterior materials such as telephone poles, chunks of pavement, sides from railroad cars, red-tile roofs, and the informal arrangement of each property. Local residents nicknamed the neighborhood "Russian Village," assuming that Stys came from Russia. This neighborhood was placed on the National Register of Historic Places as a prime example of folk architecture. It was the hard times of the Great Depression that helped create this sense of community in these houses. The use of salvaged materials was an economic way to build houses. Stys is also known for designing and constructing the structure located at 8649 9th Street in Rancho Cucamonga, which is currently the Cask and Cleaver restaurant. This was Stys'

home until his death in 1961. The Cask and Cleaver building was built approximately in the late 1940s.

B. Ownership History: According to the City directory from 1950 to 1967, Jason and Jenny Carwell were listed as the owners (the original address was 158 Baker Avenue). According to the San Bernardino County Assessor's information, the previous owners were Charles and Donna Lescault. In 1973, the current owners, the Myskows, acquired the property. A real estate agent informed them that the building was built by Mr. Stys. It is possible that the structure was built about the same time as the Cask and Cleaver building, since it was in such close proximity and because it follows his move to the Cucamonga area in 1946. There are no building records that show the actual date of construction for the structure located at 8803 Baker Avenue, but historic aerials reveal that there was something on the site in 1938, and a definitive structure could be identified by 1959 (Exhibit B).

C. Site Characteristics: The project site is on an L-shaped parcel (approximately 0.5 acres), located approximately 500 feet north of 8th Street. The lot is zoned General Industrial and the single-family residence is considered a legal non-conforming use. Properties to the north are zoned Industrial Park; to the east and south is General Industrial; to the west is zoned Low Residential. It is generally surrounded by vacant land with the exception of a residential development just west of the site and a separate parcel just south of the property where there exists another legal non-conforming residence.

ANALYSIS

A. General: The house was never identified in the City of Rancho Cucamonga 2009 historic survey results, performed by Chattel Architecture, nor the previous City surveys conducted throughout the years. That does not preclude properties that might have been missed by these surveys. Based on a field visit to the project site and also to the "Russian Village," the construction methods and materials are very similar with the use of deeply textured paving stones, telephone poles, and native rocks. Although there is no written documentation stating that this was built by Mr. Stys, the construction methods and materials are so unique that staff has concluded that it must have been built by the same person or his apprentice. According to the National Register of Historic Places Inventory, "Lay-More Tile" was a business owned and operated by Stys and his friend, Merle Mead. The tile itself is a dry, self-stacking, concrete block that appears in a number of the structures in Russian Village and also appears on the subject structure.

B. Landmark Designation: The subject site qualifies for landmark designation based upon much of the criteria from the City's Historic Preservation Ordinance, including such significant areas as historical and cultural significance and integrity. Details related to these areas of significance are contained in the Facts for Findings Section. The purpose of the designation is to preserve, protect, enhance, and perpetuate a significant feature that contributes to the cultural and aesthetic benefit of Rancho Cucamonga.

C. Environmental Assessment: The project is categorically exempt under Section 15331 as a Class 31 exemption of the guidelines for the California Environmental Quality Act.

FACTS FOR FINDING:

A. Historical and Cultural Significance:

Finding 1: It is or was once associated with events that made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

Fact/s: The property is an example of early life during a time where resources were scarce after the Great Depression.

Finding 2: It is or was once associated with persons important to local, California, or national history.

Fact/s: The property is associated with Konstanty Stys, an important person to local history.

Finding 3: It embodies the distinctive characteristics of a type, period, or method of construction.

Fact/s: The dwelling is a good example of Folk Architecture during the Great Depression era. Its method of construction is especially unique in that the builder utilized recycled and salvaged materials.

Finding 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

Fact/s: Konstanty Stys was known for his unique craftsmanship, also cited in "Judy Wright's *Claremont: A Pictorial History"* as "vernacular, anonymous, spontaneous, indigenous, or rural" architecture.

Finding 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

Fact/s: The structure and property has potential to yield information about the Great Depression era and the local area.

B. Integrity:

Finding 1: Historic Landmarks must retain integrity from their period of significance with respect to location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its dilapidated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the property's eligibility.

Fact/s: The proposed landmark retains integrity from thep period of significance with respect to location, design, materials, workmanship, and association. It retains sufficient integrity to convey its historic, cultural, or architectural significance.

CORRESPONDENCE: The Historic Landmark Designation was advertised as a public hearing in the Inland Valley Daily Bulletin newspaper, the property was posted, and notices were mailed to all property owners within 660 feet of the project site.

RECOMMENDATION: Staff recommends that the Historic Preservation Commission recommend approval of Landmark Designation DRC2014-00206 to be forwarded to the City Council for final action.

Respectfully submitted,

Candyce Burnett
Planning Manager

CB:MN/ge

Attachments: Exhibit A - Location map
Exhibit B - Historic aerials
Exhibit C - Photographs
Draft Resolution of Approval for DRC2014-00206

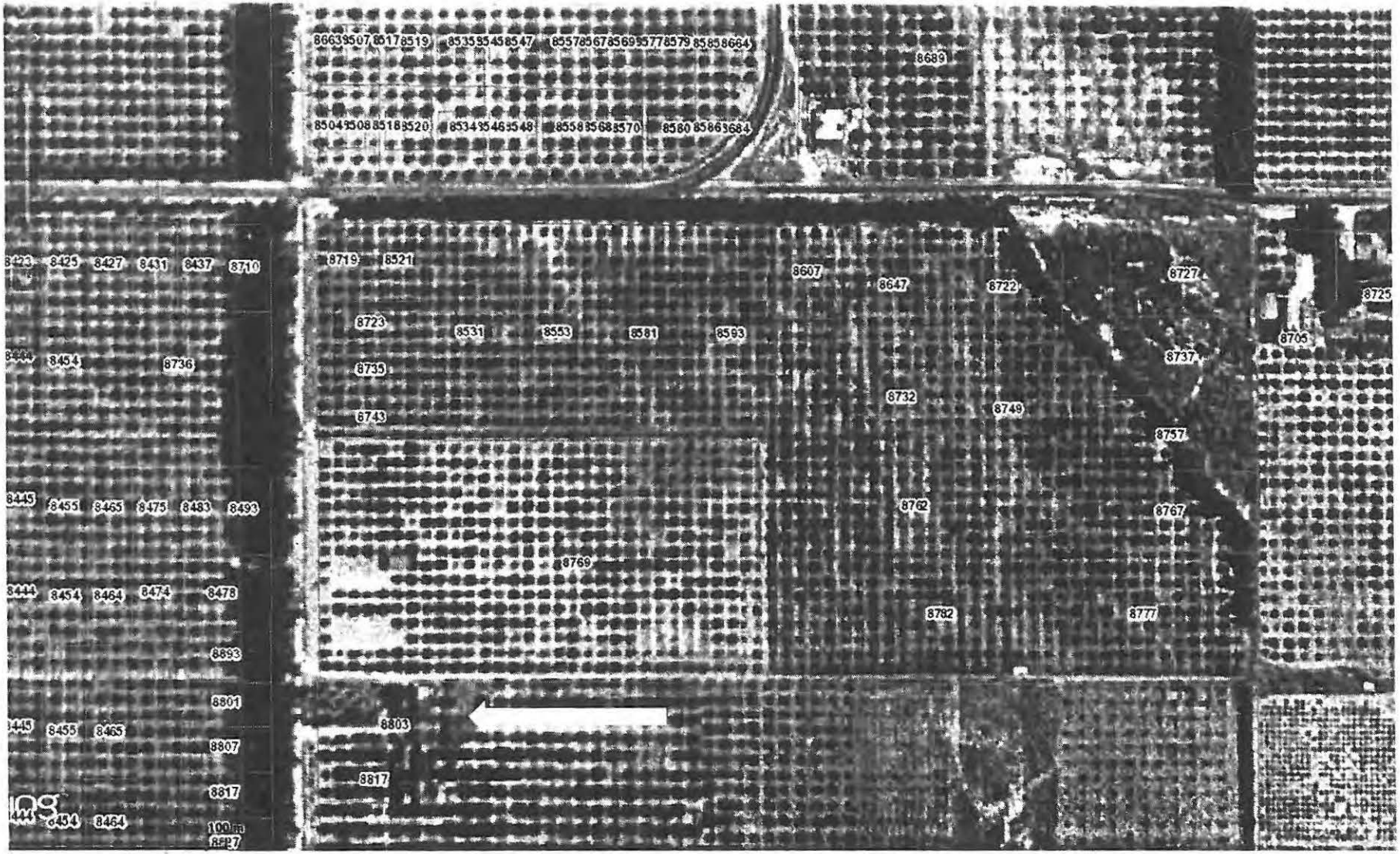
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EXHIBIT A

EXHIBIT B

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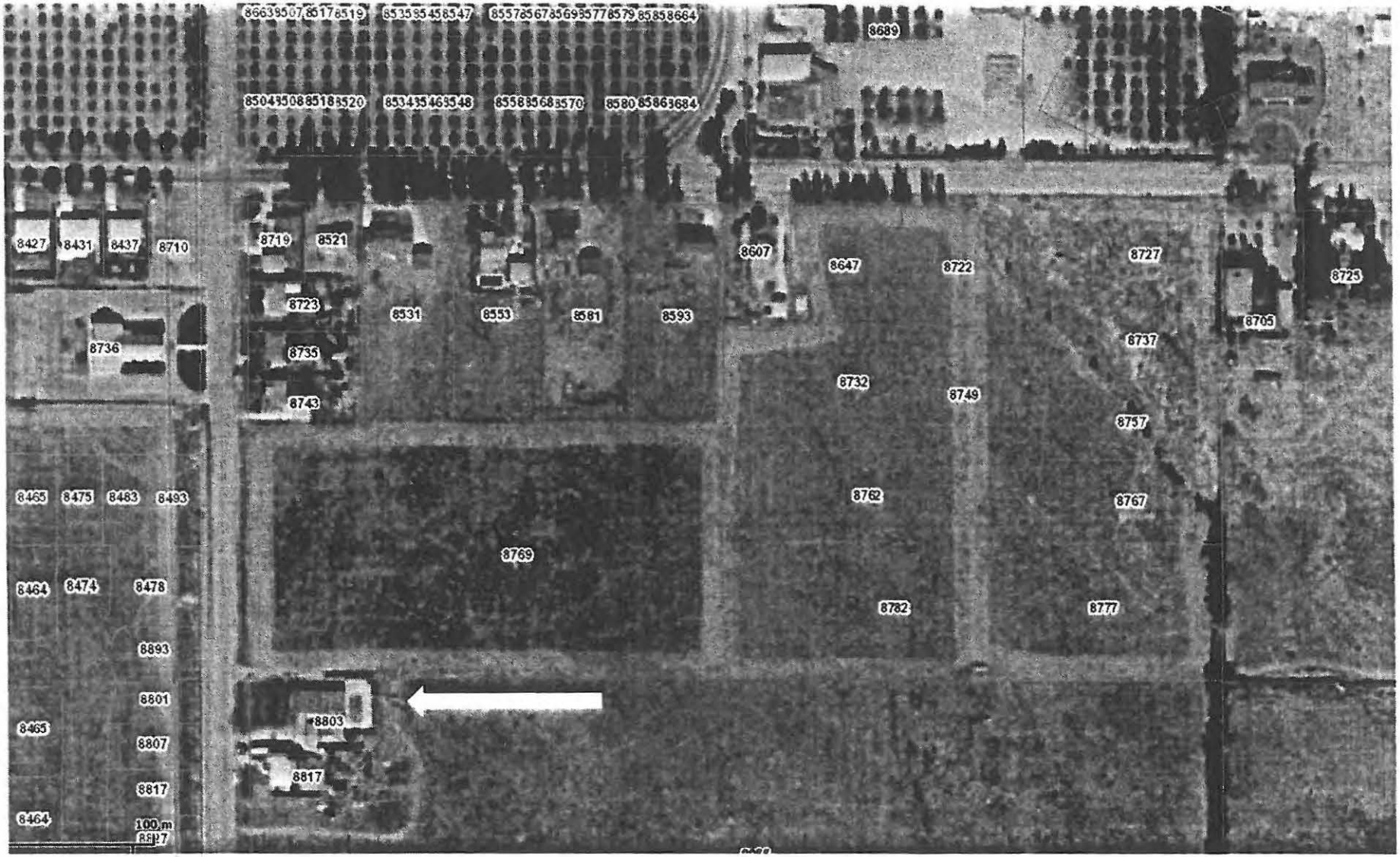
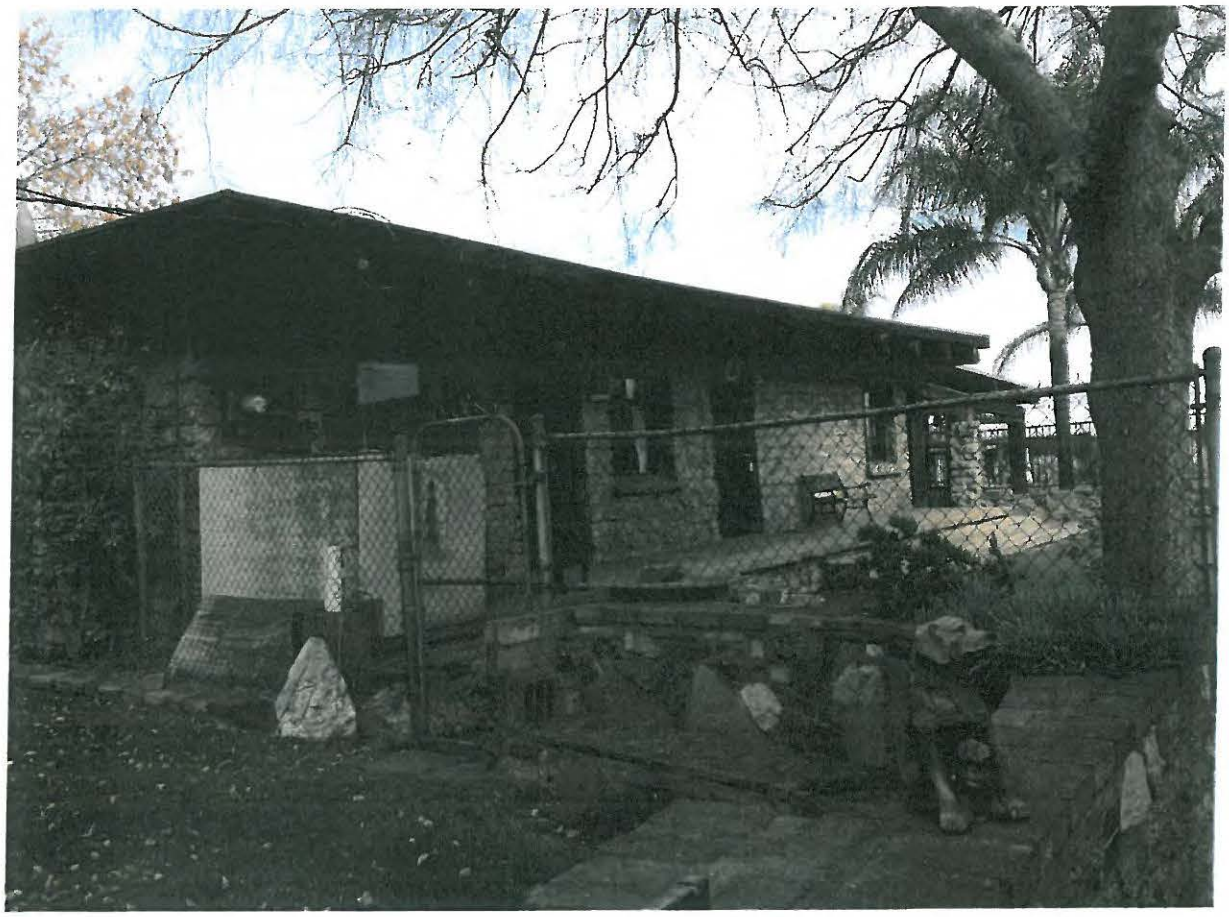

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EXHIBIT C

View looking east





Front elevation



Window



Garage

C-12



Addition in northerly portion of structure



Backyard Fireplace



Rock work in backyard



View looking northwest

H1-C



Rock monument in corner of backyard

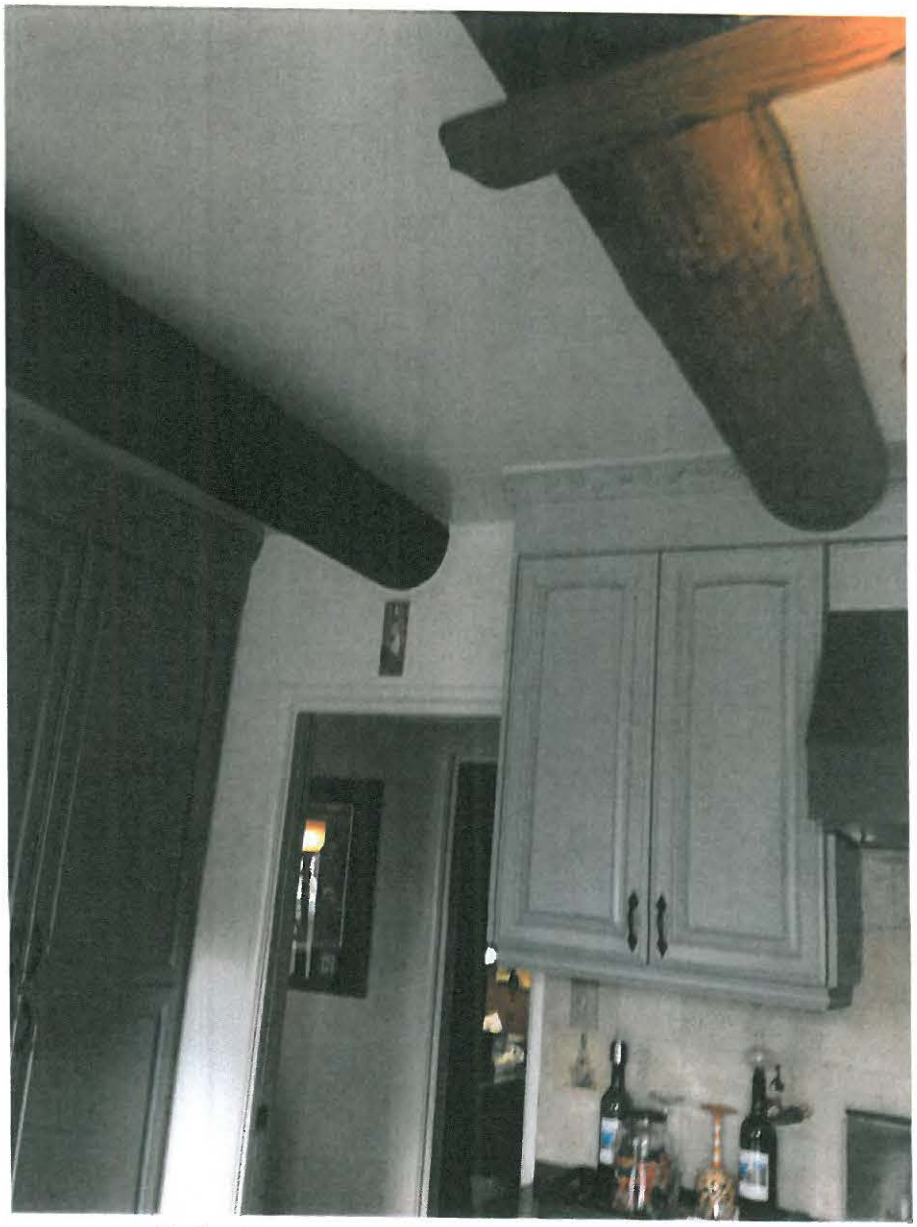


Telephone pole

C-15



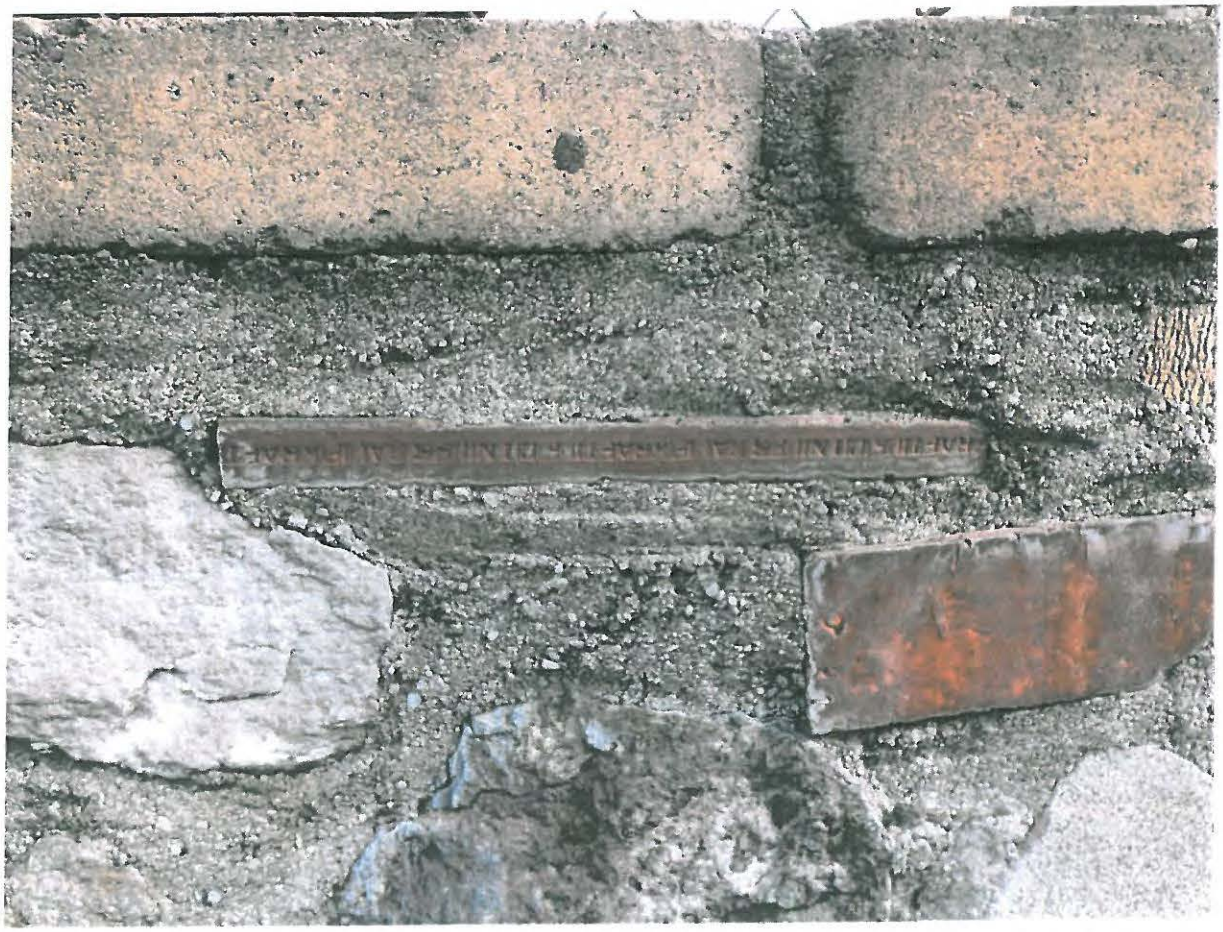
Interior Fireplace



Telephone pole visible from interior kitchen



Exterior wall



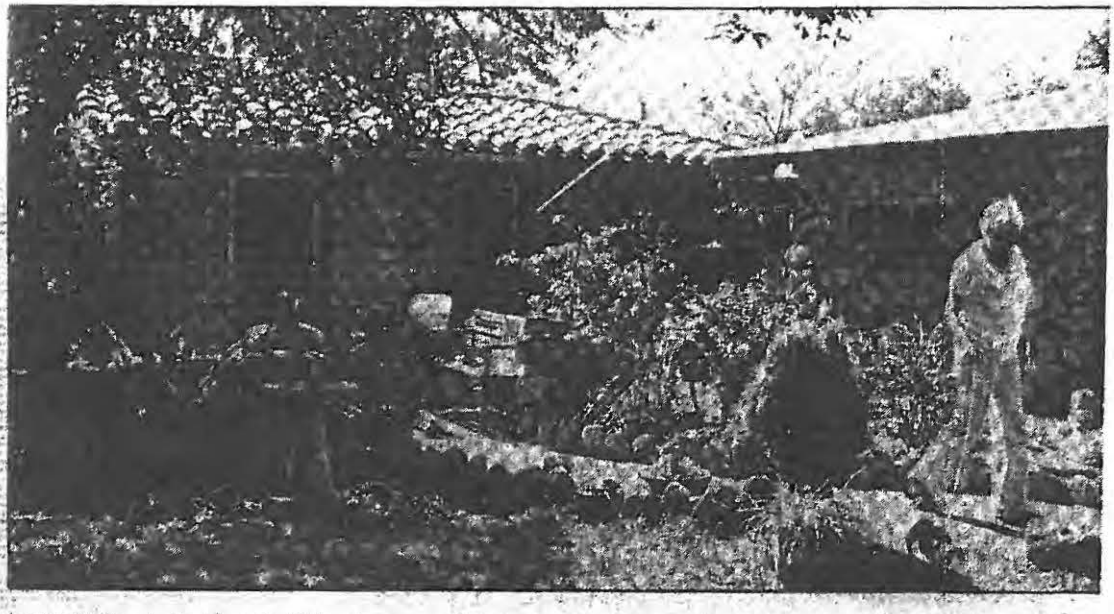
Detail of wall

Los Angeles Times

SAN GABRIEL V

Thursday, June 16, 1988

'They built [the houses] with the materials available. It was really a classic An



Louise Nelson walks in garden of her home on South Mills Avenue, a one-time rural road that has become one of Clar

Russian Village

Built of Rubble in the Depression, Houses Are Now Claremont's Pride

By JEFFREY MILLER, *Times Staff Writer*

One might think that prospective homeowners would be less than thrilled to learn that their dream house was designed and constructed by untrained laborers using chunks of pavement, telephone poles and odds and ends scavenged from condemned buildings.

But to residents of Russian Village—15 houses built along South Mills Avenue in Claremont during the Great Depression by poor immigrant workers—these humble origins are a source of pride.

"You just develop real respect and affection for the people who built this," said resident Leo Snowiss as he admired the walls of his home, which was constructed with more than 2,500 concrete blocks that were chiseled from street rubble.

"They were very poor people," added Snowiss, a professor of political science at UCLA. "The Depression just wiped them out. They built [the houses] with the materials available. . . . Under the lash of necessity they could do it. It was really a classic American story."



Konstany Stys at work, 1931.

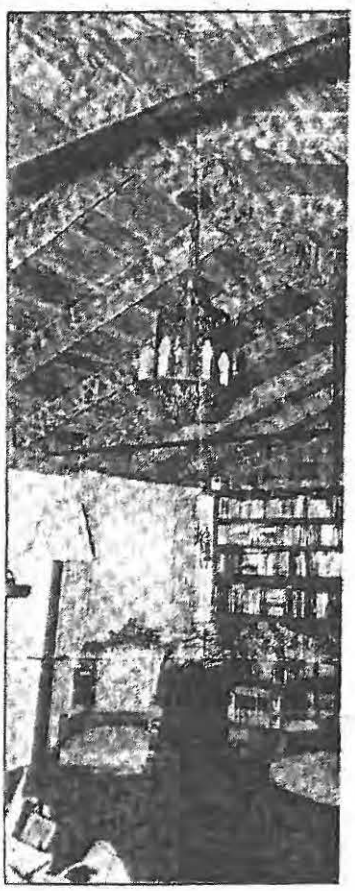
The key figure in the story of Russian Village is Konstany Stys, a Polish immigrant who came to the area in the early 1920s from Youngstown, Ohio, where he had been a steel worker.

Although he didn't have much money, formal education or experience in housing design, Stys created a neighborhood of hand-crafted homes that has been included on the National Register of Historic Places as a definitive example of "folk architecture."

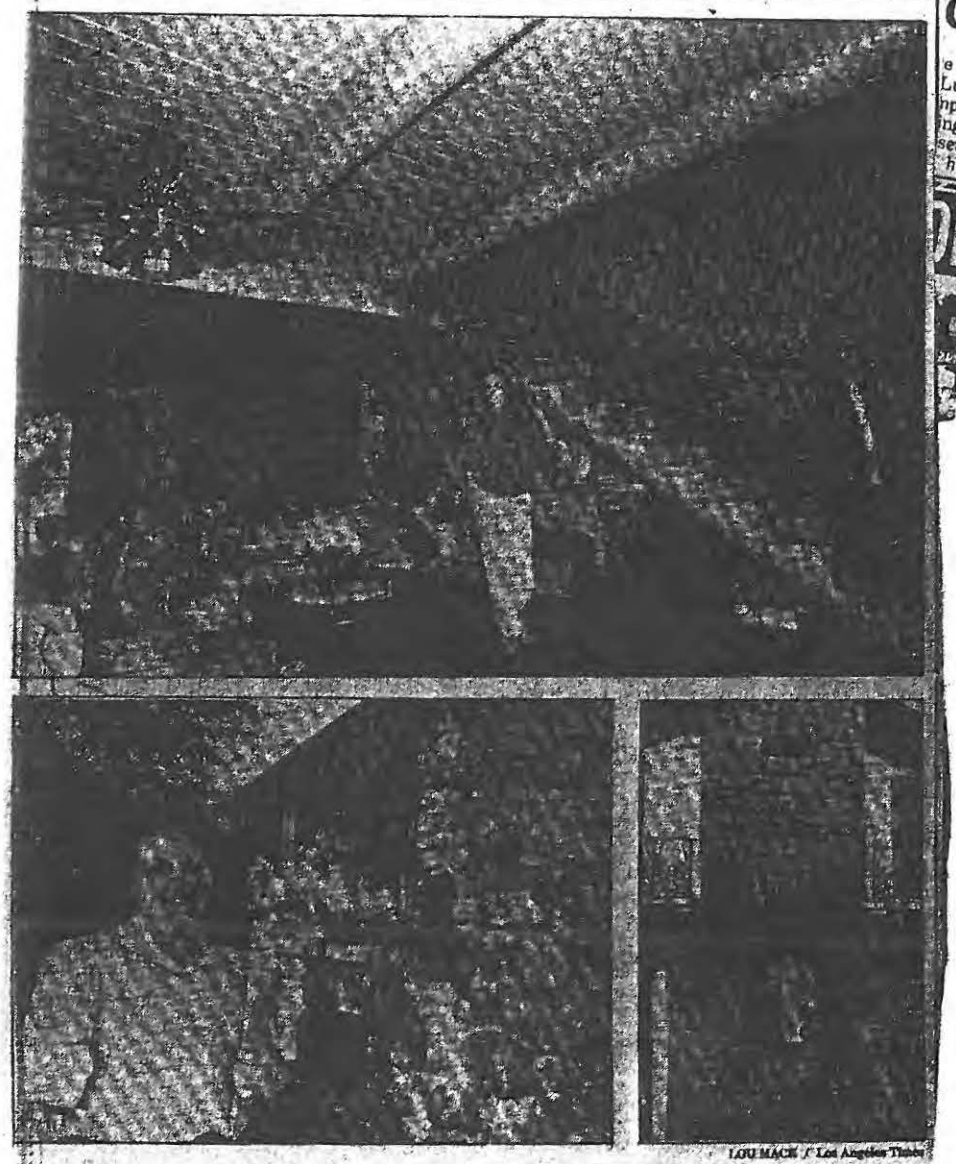
Attracted by the construction work available at the nearby Claremont Colleges, Stys bought a plot of land among the citrus groves of south Claremont. In seeking building materials, Stys needed to look no farther than the large piles of rocks that had been cleared from the surrounding land to make it arable.

Using those rocks, along with larger boulders hauled down from the mountains and surplus lumber from construction sites at the colleges, Stys built a modest house in 1922 that established the village's rocky,

Please see VILLAGE, Page 4



Leo Snowiss' living room has ac



LOU MACK / Los Angeles Times

Ceiling beams and stairway in Jeanne Lariviere's triplex are made of telephone poles, top. Claremont Mayor Judy Wright, a local historian, stands by the home of Joe and Georgiann Will, the second built by Konstany Stys. Stys built a shrine in the chimney of another home.

VILLAGE: Houses of Rubble

Continued from Page 1

rustic style.

At the onset of the Depression, Stys subdivided his land and sold parcels under generous terms to friends, relatives and co-workers who had been left destitute. Mortgage payments—not always collected—were as low as $5 a month. Stys lent home buyers his labor and his knack for obtaining low-cost building materials.

Stys' neighbors copied his architectural style, more out of financial necessity than aesthetic consistency. While most of the houses were built with the plentiful field stones, builders also used pavement from flood-damaged streets and red tiles scavenged from the roofs of buildings condemned after the 1933 earthquake. Fixtures were obtained from a salvage company in Los Angeles.

Most homes in Claremont daily story is that neighbors mistook Stys' accent as being Russian. Others say that some Claremont residents at the time perceived a hint of Bolshevism in the cooperative community established by the immigrant workers.

With one notable exception, the homes were built without blueprints, accounting for some unique floor plans. "Building design was dictated by available supplies and the needs of growing families.

"These houses are all different," said Snowiss, whose home features an exposed-beam ceiling made of surplus lumber hewn with an ax-like tool called an *adz* by Stys and his son Raymond. "They all grew like weeds, like beautiful weeds."

Only one house departed from this unplanned approach. Peter Ficker, a Pomona architect, owed Stys $80 for construction work. Short of money, Ficker offered to

retaining the house's historic features.

Although major exterior alterations require approval from the city, maintenance of the homes' historical character is largely on the honor system. Some residents even collect blocks of street rubble with which to build additions to their houses.

Please see VILLAGE, Page

VILLAGE: Untrained Builders' Work Lasts

Continued from Page 4

Stys, who died in 1961, built 10 homes elsewhere in his trademark rock-and-bubble style. The largest of these, in Rancho Cucamonga, later became the first Cask 'N Cleaver restaurant. Stys' wife, Antonina, lived in an artist's studio that Stys built near the restaurant until she moved to Northern California earlier this year.

Each of the individually styled houses in Russian Village seems to have its own materials, history and anecdotes.

There is the European-style country home with seven steeply pitched gables, built in 1933 by Garret Batelaan, a 21-year-old who had taken correspondence courses in carpentry, plumbing and wiring but had never actually built a house. His first effort has held up well, despite Stys' admonition that the steep roof was structurally unsound and would collapse.

Then there is the house built in 1937 by Mr. and Mrs. Burton Blanchard, both 19 at the time. With no construction experience, the couple followed do-it-yourself manuals to build the home, using materials such as railroad ties and oil cans filled with cement.

The walls were made from 740 tons of concrete originally used to pave Holt Boulevard, purchased for a hauling charge of $35. The roof, taken from a condemned school building in Glendora, cost $120. The Blanchards paid $883.75 for the lot and all building materials.

The most expensive house in the neighborhood cost $5,000 to build. Last year a home that was built in 1939 for $1,500 sold for $198,000.

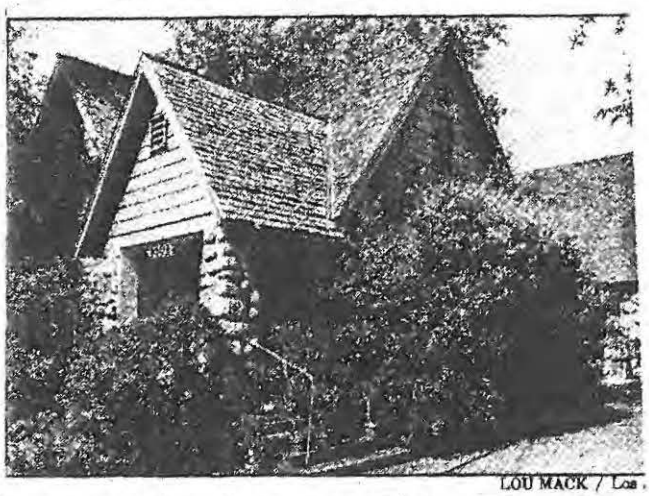
The largest home in the neighborhood is a triplex that Stys built to accommodate his extended family, including married children and in-laws. The home originally featured three separate dwellings attached to a common living room.

The home features sandstone walls salvaged from the Los Angeles County Courthouse and a red-tile roof from the earthquake-damaged Long Beach Library. Telephone poles were used for the structure's support beams and its main stairway.

"I like the style of it," said Joanne Lariviere, who bought the triplex five years ago and rents out two of its units. "It's more like you're living in the country when you live in Russian Village."

garage was the first house built by Stys, admits the traffic can be bothersome. But standing in her front yard, a few feet from two towering pines planted as Christmas trees by the Stys children more than 60 years ago, Will said the village's unique quality of life more than compensates.

"We love it here," she said. "These homes all have character. It's really interesting to live in a place with a history like this."



LOU MACK / Los

Seven-gabled house built in 1933 by Garret Batela

RESOLUTION NO. 14-01

A RESOLUTION OF THE HISTORIC PRESERVATION COMMISSION OF THE CITY OF RANCHO CUCAMONGA, CALIFORNIA, RECOMMENDING APPROVAL OF HISTORIC LANDMARK DESIGNATION DRC2014-00206, DESIGNATING THE PROPERTY A HISTORIC LANDMARK, LOCATED AT 8803 BAKER AVENUE; AND MAKING FINDINGS IN SUPPORT THEREOF - APN: 0207-271-40.

A. Recitals.

1. Dennis Myskow filed an application for a Landmark as described in the title of this Resolution. Hereinafter in this Resolution, the subject Landmark is referred to as "the application."

2. On April 23, 2014, the Historic Preservation Commission of the City of Rancho Cucamonga conducted a duly noticed public hearing on the application and concluded said hearing on that date.

3. All legal prerequisites prior to the adoption of this Resolution have occurred.

B. Resolution.

NOW, THEREFORE, it is hereby found, determined, and resolved by the Historic Preservation Commission of the City of Rancho Cucamonga as follows:

1. This Commission hereby specifically finds that all of the facts set forth in the Recitals, Part "A," of this Resolution are true and correct.

2. The application applies to approximately 0.5 acre of land, basically an L-shaped configuration, located at 8803 Baker Avenue.

3. Based upon substantial evidence presented to this Commission during the above-referenced public hearing on April 23, 2014, including written and oral staff reports, together with public testimony, and pursuant to Section 17.18.020 of the Rancho Cucamonga Municipal Code, this Commission hereby makes the following findings and facts:

A. Historical and Cultural Significance:

Finding 1: It is or was once associated with events that made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.

Fact/s: The property is an example of early life during a time where resources were scarce after the Great Depression.

Finding 2: It is or was once associated with persons important to local, California, or national history.

Fact/s: The property is associated with Konstanty Stys, an important person to local history.

Finding 3: It embodies the distinctive characteristics of a type, period, or method of construction.

Fact/s: The dwelling is a good example of Folk Architecture during the Depression era. Its method of construction is especially unique in that the builder utilized recycled and salvaged materials.

Finding 4: It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.

Fact/s: Konstanty Stys was known for his unique craftsmanship, also cited in "Judy Wright's *Claremont: A Pictorial History"* as "vernacular, anonymous, spontaneous, indigenous, or rural" architecture.

Finding 5: It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.

Fact/s: The structure and property has potential to yield information about the Depression era and the local area.

B. Integrity

Finding 1: Historic Landmarks must retain integrity from their period of significance with respect to location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its dilapidated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to the particular characteristics that support the property's eligibility.

Fact/s: The proposed landmark retains integrity from their period of significance with respect to location, design, materials, workmanship, and association. It retains sufficient integrity to convey its historic, cultural, or architectural significance.

4. This Commission hereby finds that the project has been reviewed and considered in compliance with the California Environmental Quality Act (CEQA) of 1970, as amended, and the Guidelines promulgated thereunder. The Commission finds that this Landmark Designation is exempt under CEQA, pursuant to State CEQA Guidelines Section 15331, as a Class 31 exemption (Historical Resource Restoration/Rehabilitation).

5. Based upon the findings and conclusions set forth in Paragraphs 1, 2, 3, and 4 above, this Commission hereby resolves that, pursuant to Section 17.18.020 of the Rancho Cucamonga Municipal Code, the Historic Preservation Commission of the City of Rancho Cucamonga hereby recommends approval of Landmark Designation on the 23rd day of April, 2014.

6. The Secretary to this Commission shall certify to the adoption of this Resolution.

APPROVED AND ADOPTED THIS 23RD DAY OF APRIL, 2014.

HISTORIC PRESERVATION COMMISSION OF THE CITY OF RANCHO CUCAMONGA

BY: _____
Francis Howdyshell, Chairman

ATTEST: _____
Candyce Burnett, Secretary

I, Candyce Burnett, Secretary of the Historic Preservation Commission for the City of Rancho Cucamonga, do hereby certify that the foregoing Resolution was duly and regularly introduced, passed, and adopted by the Historic Preservation Commission of the City of Rancho Cucamonga, at a regular meeting of the Historic Preservation Commission held on the 23rd day of April 2014, by the following vote-to-wit:

AYES: COMMISSIONERS:

NOES: COMMISSIONERS:

ABSENT: COMMISSIONERS:

ABSTAIN: COMMISSIONERS:

Attachment C

McGee 2021b

Memo

To: Michael Sizemore, Development Manager
Panattoni Development Company, Inc.

From: Kathryn McGee, Architectural Historian
kathryn@mcgeehistoric.com

Date: June 1, 2021

Re: 9th and Vineyard Development Project, Rancho Cucamonga, CA
Historical Resources Impacts Analysis for CEQA Review

Introduction

This memo provides review of potential historical resources impacts of the proposed 9th and Vineyard Development Project (proposed project) in Rancho Cucamonga, California. The project site is 47.15 acres, bounded by E. 9th Street to the north, Vineyard Avenue and Cucamonga Creek to the east, E. 8th Street to the south, and Baker Avenue to the west, including Assessor Parcel Numbers 0207-271-25, -27, -30, -40, -89, -93, -94, -96, and -97 (hereinafter referred to as "project site" or "subject property"). The subject property includes five existing buildings: 8803 Baker Avenue; 8855 Baker Avenue; 8729 E 9th Street; 8847 E 9th Street; and 8830 Vineyard Avenue. One of the existing buildings is considered an historical resource under the California Environmental Quality Act (CEQA): 8803 Baker Avenue, a single-family home. The proposed project involves rehabilitation and reuse of 8803 Baker Avenue as a community center, plans for which are currently being prepared and will be evaluated in a later report. The proposed project also entails the erection of three warehouse buildings that include office space and associated parking and landscaping. This memo provides evaluation of potential historical resources impacts of the proposed project on the *setting* of 8803 Baker Avenue.

Consultant Qualifications

Kathryn McGee is an architectural historian and historic preservation planner based in Los Angeles. With over twelve years of experience, she meets the Secretary of the Interior's Professional Qualification Standards in Architectural History. Ms. McGee was previously employed as a Senior Associate at historic preservation consulting firm Chattel, Inc. and launched an independent consulting practice in 2015. Her educational background includes a Bachelor of Arts degree in architectural history from the University of California, Santa Barbara and a Master of Urban and Regional Planning degree from the University of California, Irvine. She has also completed the Summer Program in Historic Preservation at the University of Southern California and is a LEED Accredited Professional with specialty in Neighborhood Development. Her consulting work entails writing reports for purposes of environmental and local project review; preparation of historic resource assessments and surveys; preparation of technical reports for General Plan Updates; evaluation of properties seeking or complying with

Mills Act Contracts; and consultation on adaptive reuse and federal Investment Tax Credit projects.

Regulatory Setting

City of Rancho Cucamonga

The City of Rancho Cucamonga Historic Preservation Ordinance (Ordinance No. 848) was adopted by City Council in 2011 and allows the City Council to designate Historic Landmarks, Points of Historic Interest, and Historic Districts. Relevant to evaluation of the subject property are designation criteria for historic landmarks, as described below:[1]

Designation Criteria for Historic Landmarks

A. The [City] Council may designate a property as a Historic Landmark if it meets the requirements of both paragraphs B and C of this Section.
B. Historic Landmarks must meet at least one of the following:
    1. It is or was once associated with events that have made significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
    2. It is or was once associated with persons important to local, California, or national history.
    3. It embodies the distinctive characteristic of a type, period, or method of construction.
    4. It represents the work of a master, possesses high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction.
    5. It has yielded or has the potential to yield information important to the prehistory or history of the local area, California, or the nation.
C. Historic Landmarks must retain integrity from their period of significance with respect to its location, design, setting, materials, workmanship, feeling, association, or any combination of these factors. A proposed landmark need not retain all such original aspects, but must retain sufficient integrity to convey its historic, cultural, or architectural significance. Neither the deferred maintenance of a proposed landmark nor its depilated condition shall, on its own, be equated with a loss of integrity. Integrity shall be judged with reference to particular characteristics that support the property's eligibility.

California Register

Based substantially on the National Register of Historic Places, the California Register of Historical Resources (California Register) is "an authoritative guide… used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected."[2] For a property to be eligible for listing in the California Register, it must be found by the State Historical Resources Commission to be significant under at least one of the following four criteria:

[1] City of Rancho Cucamonga Ordinance No. 848, adopted July 6, 2011, *https://www.cityofrc.us/civicax/filebank/blobdload.aspx?BlobID=8222*, accessed April 21, 2019.

[2] California Public Resources Code §5024.1(a), *http://codes.lp.findlaw.com/cacode/PRC/1/d5/1/2/s5024.1*.

1) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; or
2) is associated with the lives of persons important in our past; or
3) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values; or
4) has yielded, or may be likely to yield, information important in prehistory or history.

Also included in the California Register are properties which have been formally determined eligible for listing in or are listed in the National Register; are registered State Historical Landmark Number 770, and all consecutively numbered landmarks above Number 770; and Points of Historical Interest, which have been reviewed and recommended to the State Historical Resources Commission for listing.

California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) was enacted in 1970 and offers protection for identified historical resources. In general, for purposes of CEQA and environmental review, an "historical resource" is that which has been determined eligible for listing in the California Register, or one that is designated at the local level. The term "historical resource" includes the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historical Resources (Pub Res Code SS5024.1, Title 14 CCR, Section 4850 et seq).
2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register (Pub Res Code SS5024.1, Title 14 CCR, Section 4852).
4. The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to 5020.1 (k) of the Public Resources Code), or identified in an historical survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Sections 5020.1 (j) or 5024.1.

Summary of Historic Resource Eligibility

A comprehensive historic resource assessment of 8803 Baker Avenue was prepared by this author in 2019, finding 8803 Baker Avenue eligible for listing as a City of Rancho Cucamonga Historic Landmark and in the California Register.[3] The property is significant as an important and rare example of local Folk Architecture, for its method of construction using salvaged local materials, for association with its original owner-builder, James Carwell, and for association with notable local builder Konstanty Stys. Due to alterations, especially loss of all original window sash, the subject property may not retain sufficient integrity for listing in the or National Register of Historic Places. It does not appear to be part of any historic district. Because it appears eligible for listing in the California Register and local designation, it is considered an historical resource for purposes of CEQA and local project review.

The character-defining features of 8803 Baker Avenue, as defined in this author's 2019 historic resource assessment report, are physical features extant from the period of significance, 1952-1953, that convey the property's significant historical associations. These features are listed below and for purposes of this memo are limited to the building exterior and site features, as the interior will be discussed in a later report on rehabilitation and reuse of the house:

- One-story scale and massing of house
- Primary façade of house oriented south, positioned along street
- Exterior walls of house made of concrete rubble
- West elevation chimney made of concrete rubble
- East elevation outdoor fireplace made of brick and concrete rubble
- Flat roof structure made of telephone poles and wood boards
- Full front porch with simple concrete structure, accessed by steps
- Pattern of door and window openings and concrete slip sills (where extant)
- Low curved walls located west of house bordering front yard
- Low brick pillars that were once components of the front yard fence

Archaeology

In 2020, Archaeologist Curt Duke, RPA, of Duke Cultural Resources Management prepared a report and field survey at the subject property and found the ground to be highly disturbed and concluded there is low potential of the proposed project to impact archaeological resources.[4]

Thresholds for Determining Significance of Impacts

According to the CEQA Guidelines, a project would result in a significant impact to historical resources if it would cause a *substantial adverse change* in the significance of an historical resource (California PRC §21084.1). A substantial adverse change is defined in CEQA Guidelines §15064.5(4)(b)(1), as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the *significance of an historical resource*

[3] Kathryn McGee, "Historic Resource Assessment: 8803 Baker Avenue, Rancho Cucamonga, CA 91730," prepared for Panattoni Development Company, April 26, 2019.

[4] Duke Cultural Resources Management, Letter report to Michael Sizemore, Panattoni Development Company, "Archaeological Resource Validation Memorandum for the 9th and Vineyard Development Project, City of Rancho Cucamonga, San Bernardino County, California," May 14, 2020.

would be materially impaired." The significance of an historical resource is materially impaired, according to CEQA Guidelines §15064.5(4)(b)(2), when a project:

> (A) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or
> (B) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to §5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of §5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of the evidence that the resource is not historically or culturally significant; or
> (C) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA. [5]

CEQA Guidelines also specify a means of evaluating the relative significance of project impacts on historical resources. CEQA Guidelines §15064.5(b)(3) state:

> Generally, a project that follows the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings or the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings* (*Secretary's Standards*, Weeks and Grimmer, 1995), shall be considered as mitigated to a level of less than a significant impact on the historical resource. [6]

Under CEQA, the key issue relates to how a proposed development may impact the potential eligibility of a structure(s) or a site for designation as an historic resource. The *Secretary's Standards* were developed by the U.S. Department of the Interior to evaluate and approve work for federal grants for historic buildings and then for the federal rehabilitation tax credit (see 36 Code of Federal Regulations Section 67.7). The *Secretary's Standards* are used for regulatory approvals for designated resources but not for resource evaluations. CEQA has a "safe harbor" by providing either a categorical exemption or a negative declaration for a project which meets the *Secretary's Standards* (see State CEQA Guidelines Section 15331 and 15064.S(b)(3)). According to Appendix G of the State CEQA Guidelines, the appropriate threshold of significance is whether a project causes a substantial adverse change in the significance of a historical resource as defined in State CEQA Guidelines Section 15064.5. That Section provides a detailed definition of "substantial adverse change." In summary, the definition of substantial adverse change and, hence, the threshold of significance, is whether a project demolishes or materially alters in an adverse manner the physical characteristics that convey historical significance of the resource or that justify its eligibility for the California Register of Historical

[5] CEQA Guidelines §15064.5(4)(b)(2). Emphasis added.
[6] CEQA Guidelines §15604.5(b)(3).

Resources or a local register. In other words, if a project removes the essential character-defining features and/or would render an eligible historic resource ineligible, then there would be a significant adverse effect under CEQA.

Secretary of the Interior's Standards for Treatment of Historic Properties

The *Secretary's Standards* consist of four treatments, the most common of which is rehabilitation, which is defined as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values." The rehabilitation standards are:

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.
4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.
9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

The *Secretary's Standards* are intended to be flexible and adaptable to specific project conditions to balance change while retaining historic building fabric to the maximum extent feasible. The National Park Service has created a substantial amount of written guidance, most of it available online, including Illustrated Guidelines for Rehabilitating Historic Buildings, Preservation Briefs, Preservation Tech Notes, and Interpreting the Standards Bulletins (ITS).

Description of Proposed Project

The proposed project is described in a drawing set and renderings prepared by HPA Architecture, dated 12/07/20. For purposes of evaluation in this memo, the site plan focusing on the west portion of the project site nearest 8803 Baker Avenue, two sheets of elevation drawings, and three 3-D renderings were reviewed. This memo is limited to evaluation of potential impacts of the proposed project on the *setting* of 8803 Baker Avenue. As previously noted, a more detailed evaluation of the rehabilitation and reuse project on the 8803 Baker Avenue exterior and interior will be addressed in a future report.

The proposed project involves retention of 8803 Baker Avenue in place and entails the erection of three warehouse buildings that include office space (over one-million square feet of interior space in total), addition of surface parking and landscaping, and implementation of water and storm drain improvements. 8803 Baker Avenue is positioned in the west portion of the project site, just west of the proposed new "Building 3" warehouse. As Building 3 is the primary building visible from 8803 Baker Avenue, it is focused on in the following description.

Building 3 is proposed as a 270,356 square foot building consisting of 5,000 square feet of office space at first and second floors and 265,356 square feet of warehouse space. The building will be oriented west toward Baker Avenue and set back approximately 147-feet from the sidewalk edge. 8803 Baker Avenue will remain in place, roughly centered in front of Building 3. The west façade of Building 3 will be set back more than 37-feet from the east elevation of 8803 Baker Avenue. New surface parking lots with spaces for 107 vehicles will be constructed to the north and south of 8803 Baker Avenue, located approximately 90-feet away from 8803 Baker Avenue on either side. Vehicular access to Building 3 and the larger project site will be provided via driveways off Baker Avenue.

Building 3 will be 36-feet tall and utilitarian. The floor plan is generally rectangular. The building is composed as a horizontal mass with architecture that is clearly contemporary, expressed in simple, geometric forms. Exterior walls have smooth surfaces painted in off-white and grey. The primary west façade is twelve bays wide, distinguished by building entrances at its north and south ends. Outermost bays include windows with clean anodized mullions, blue reflective glazing, and metal canopies at first and second floors while three alternating central bays have similar windows though at the second floor only. The north and south elevations are generally void of fenestration, except near their west ends where there are windows. The east elevation has no windows and includes a loading dock with 28 dock doors.

Evaluation of Proposed Project

The following focuses on evaluation of potential historical resources impacts of the proposed project on the *setting* of 8803 Baker Avenue. The proposed project will not adversely impact the setting of the historical resource for the following reasons:

- The setting of 8803 Baker Avenue has changed substantially over time, outside the property's period of significance (1952-1953), and is not considered a character-defining feature of the historical resource. At the time of construction of the house in 1952-1953,

the property was surrounded by orange and lemon groves, which have been removed. Thus, the rural and agricultural character of the historic setting is gone. Additionally, the house was originally designed with associated site features such as low rubble and rock walls surrounding a pool and serving as fencing, as well as a rock monument in a corner of the back yard. Most of these early features are gone; alterations also include removal of an east elevation covered patio, a north elevation addition, a freestanding garage, a swimming pool, front yard fencing, site walls, and paving, all of which were removed in 2016. An adjacent house constructed by the original owner to the south in the early 1950s has also been demolished. Because the setting of the existing building has already been substantially altered, it is not considered a character-defining feature of the historical resource and therefore further changes to it would not adversely impact the setting of the historical resource.

- The sense of scale and mass of the existing one-story house, 8803 Baker Avenue, will not be adversely impacted by the proposed new construction due to the substantial setback (over 37-feet), of Building 3 from the east elevation of 8803 Baker Avenue. The setback from the east elevation of 8803 Baker Avenue is approximately the same as the new building's height of 36 feet. Therefore, the new budling will simply not have the ability to overwhelm the existing building.

- The architectural design of Building 3 has been sensitively designed to serve as a backdrop behind 8803 Baker Avenue. Building 3 will be utilitarian with simple geometric forms composed in such a way that it will not compete with the architecture of the existing historic house. The proposed design and materials, with painted and glazed surfaces in muted colors, will be obviously contemporary and will not promote a false sense of history. Given that the new building will be set so far back from 8803 Baker Avenue coupled with the fact that the design and materials are modest, it could not reasonably be said to compete with the architecture of 8803 Baker Avenue.

The following evaluates the proposed project for conformance with the Secretary's Standards; the most applicable standard being Standard 9:

1. *A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.*
   The proposed project will not demolish existing historic buildings; 8803 Baker Avenue will be retained in placed, rehabilitated, and reused as a community center, which is a compatible use that will require minimal changes to the existing materials and features. Plans for that project have not yet been prepared and will be described and evaluated in detail in a future report.

2. *The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.*
   As previously noted, plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report. However, the proposed new construction will not alter spatial relationships that characterize 8803

Baker Avenue. The new buildings will be set back a significant distance from 8803 Baker Avenue and therefore will not overwhelm the existing sense of scale and mass of the historic one-story residence. The setting of 8803 Baker Avenue has not been previously identified as a character-defining feature and therefore the spatial relationship of the existing single-family home to its setting will not be adversely impacted by the proposed project.

3. *Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.*
   The proposed project is clearly contemporary, with use of modern architectural design and materials. It does not mimic the appearance of 8803 Baker Avenue nor other historical styles. Therefore, it will not promote a false sense of history.

4. *Changes to a property that have acquired historic significance in their own right will be retained and preserved.*
   The proposed project does not involve demolition of any historic buildings. 8803 Baker Avenue will be retained in place, rehabilitated, and reused. Therefore, the proposed project will not remove any buildings or features that have taken on historic significance.

5. *Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

6. *Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

7. *Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.*
   This standard does not readily apply. Plans for rehabilitation and reuse of 8803 Baker Avenue have not yet been prepared and will be described in detail in a future report.

8. *Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.*
   The proposed project is not anticipated to encounter archaeological resources.

9. *New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*

The proposed new buildings will not destroy historic materials, features, or spatial relationships that characterize 8803 Baker Avenue. While plans for the proposed rehabilitation and reuse of 8803 Baker Avenue are still being made, the proposed new buildings, especially Building 3, which will be closest to 8803 Baker Avenue, have been carefully designed for compatibility with the historic building. The new architecture will be obviously contemporary in design and materials and thus differentiated from the historic building to avoid promoting a false sense of history. The proposed project will be compatible with the historic building, substantially set back from 8803 Baker Avenue by a length of distance approximately equaling its height. Therefore, the new construction will not have the sense of hanging over or overwhelming the one-story historic residence. The setting of 8803 Baker Avenue was not previously identified as a character-defining feature and therefore will not be adversely impacted by the proposed project.

10. *New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*
    The proposed project is not considered removable, but it's construction will not impair the essential form and integrity of 8803 Baker Avenue, as that building will be rehabilitated and reused in its current location.

Based on the above analysis, the proposed project reviewed in this memo is in conformance with the *Secretary's Standards*.

Conclusion

Potential historical resources impacts of the proposed 9th and Vineyard Development Project were described and evaluated in this memo, which focused on potential impacts to the *setting* of 8803 Baker Avenue. Potential impacts of the rehabilitation and reuse of 8803 Baker Avenue on that building exterior and interior will be evaluated in a future report once plans for that project are prepared. The proposed project reviewed in this memo was found to be in conformance with the *Secretary's Standards*, as the setting of 8803 Baker Avenue has previously been altered and is not considered character-defining; the new construction is substantially set back from 8803 Baker Avenue; and the new construction is designed with architecture and materials that are simple and modest such that they will recede visually and simply serve as a backdrop. Therefore, the proposed project, as reviewed in this memo, will not have a significant effect historical resources, pursuant to Section 21084.1 of CEQA.

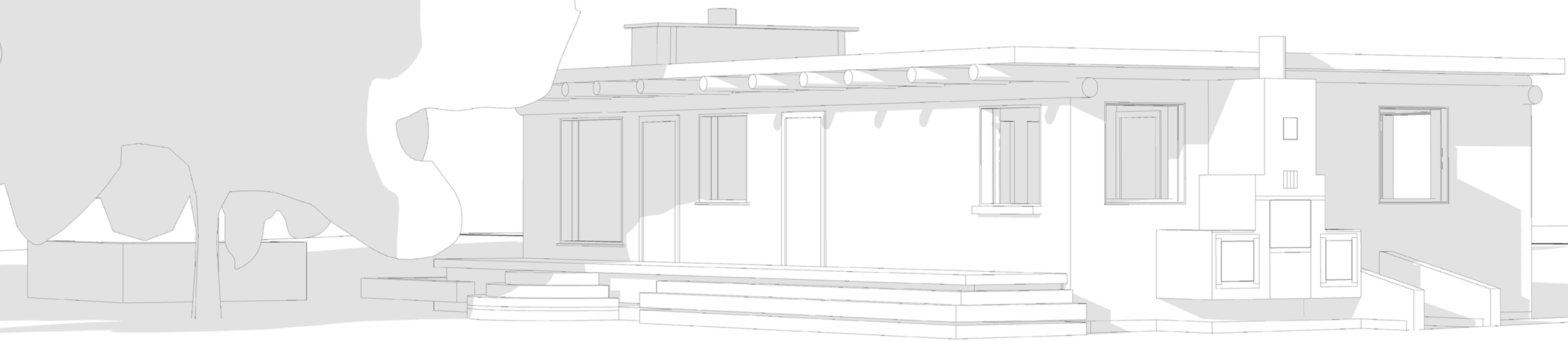
Attachment D

Baker Community Center Conceptual Design Package

BAKER AVENUE COMMUNITY CENTER

Conceptual Design Package

OCTOBER 26, 2021



PAGE&TURNBULL

VISION AND OBJECTIVES

Community Center

A place for the people of Southwest Cucamonga to gather for special life events, space to promote healthy living and daily enjoyment.

Sustainability

Demonstrate sustainable building and transportation practices to inspire people to make improvements at their homes and to the larger built environment. Adopt criteria of the Healthy Development Checklist from Riverside University Health System and others.

Preserve Historic Character

The Baker House is an unique piece of historic architecture whose character should be maintained throughout the site.

USER GROUPS

- Students of local schools (before and after school programs)
- Families using the gathering space for parties and events
- Community members seeking green space
- Residents of the neighborhood across the street

PROGRAM ELEMENTS

Existing Building

- Preserve and rehabilitate existing historic building
- Great Room - main indoor gathering area
- Provide accessible restrooms
- Warming Kitchen for catering events
- Office space for management of the site
- Storage (tables and chairs)

Site

- Provide parking (including EV Charging Stations)
- Shaded outdoor event space
- Playground
- Community Gardens
- Safe access and routes to neighborhood - encourage walking and biking



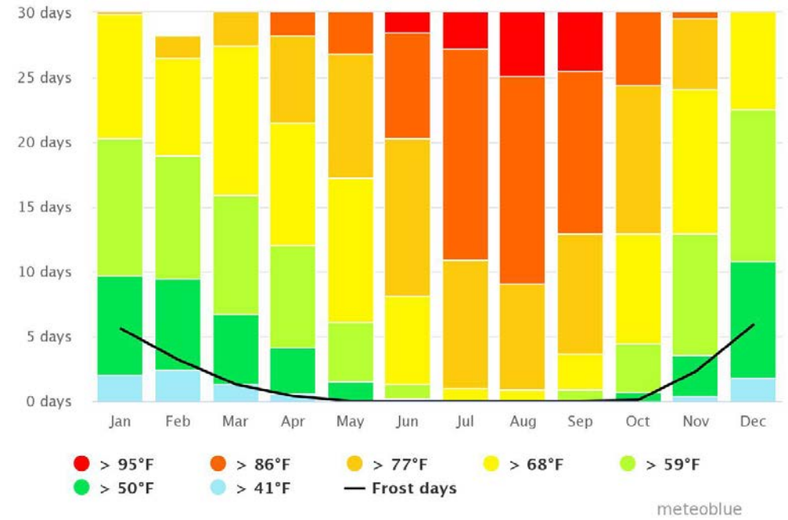




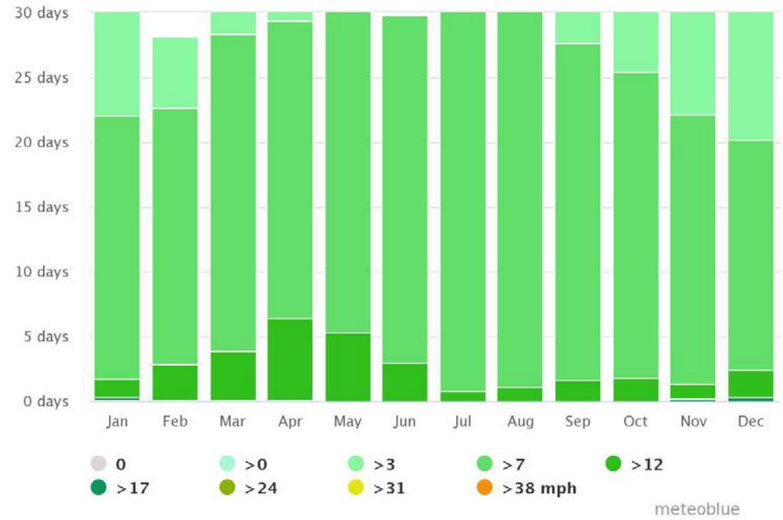


PROGRAM OVERVIEW

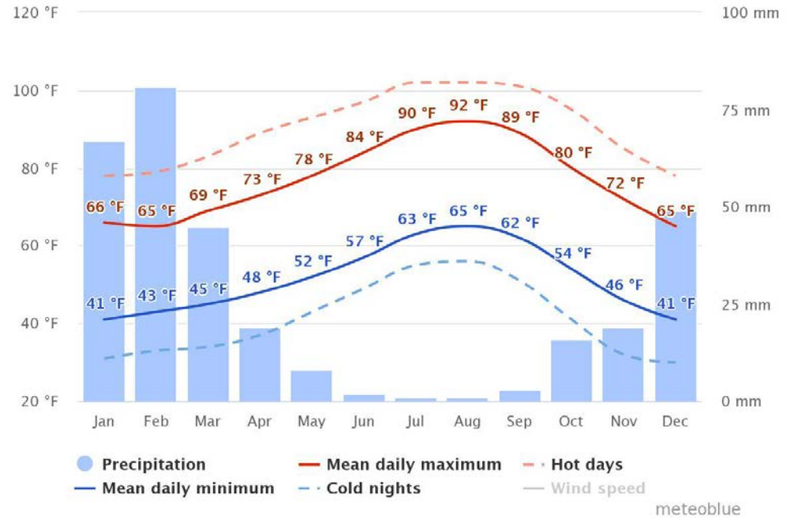
- Provide rentable space for community members to use for private events
- Create space that can be used for larger community gatherings, like farmer's market and neighborhood block parties
- After school programs for children
- Host programs to assist adults/families



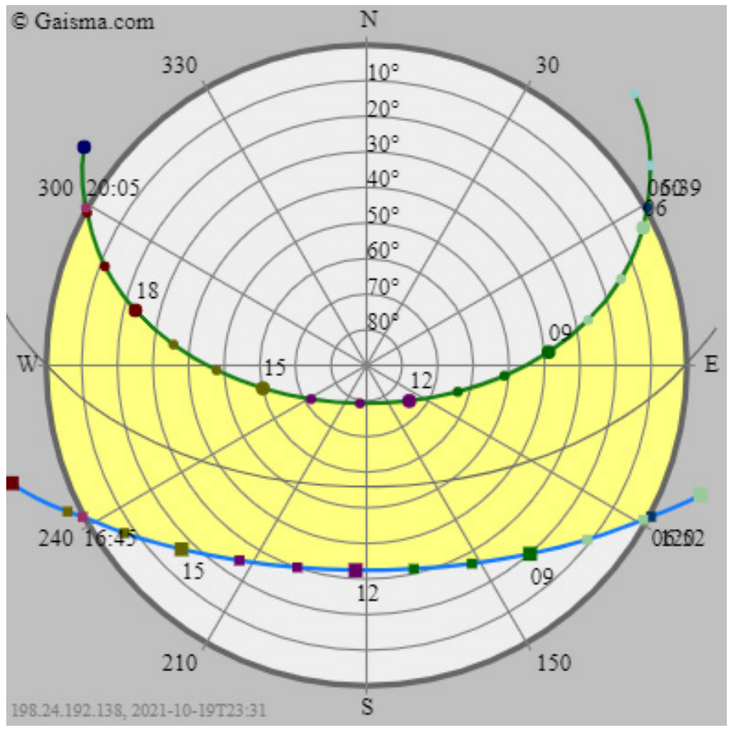
Average temperatures throughout the year



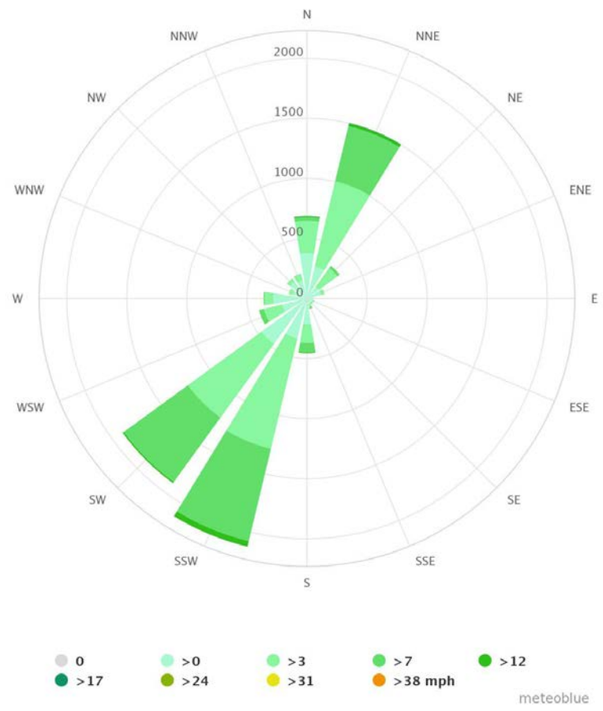
Average wind speeds throughout the year



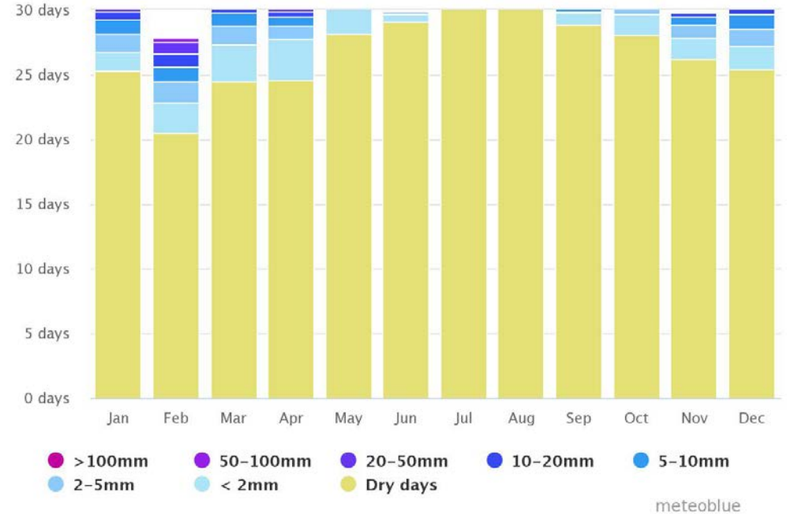
Average temperature and precipitation throughout the year



Sunpath diagram



Prevailing winds are primarily from the southwest



Average precipitation throughout the year

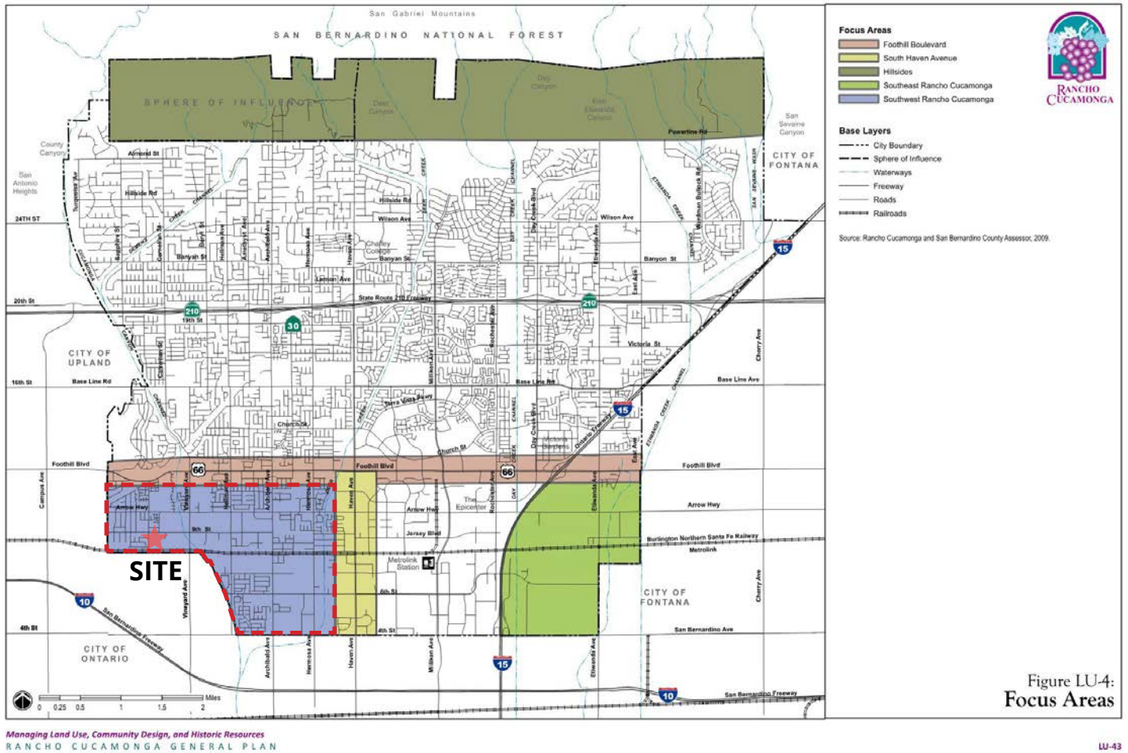


Figure 1: Focus areas plan from 2010 General Plan. Site is within Southwest Rancho Cucamonga, shown at lower left of plan and outlined in red dashed line.

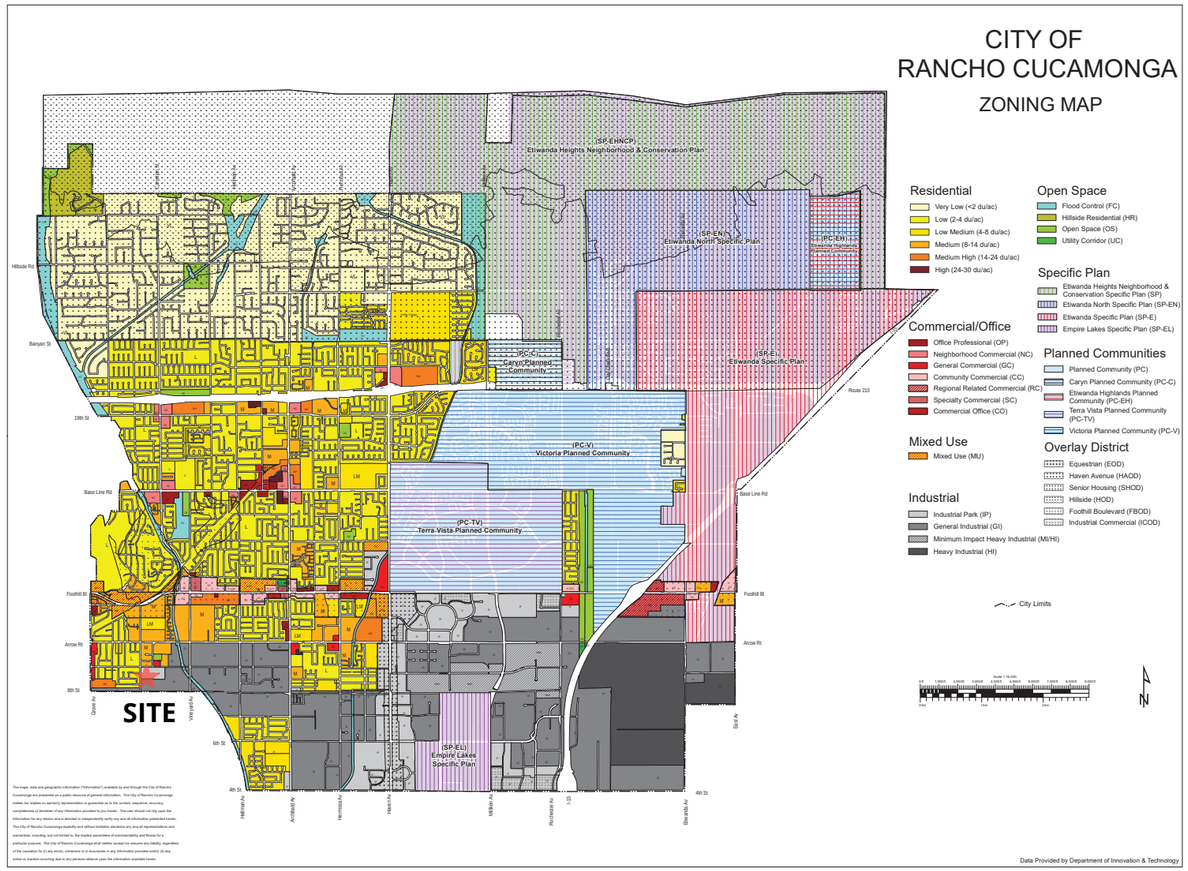


Figure 2: City of Rancho Cucamonga Zoning Map

Project site is within the Southwest Rancho Cucamonga area. Southwest is one of the focus areas in the City's 2010 General Plan. The vision for Southwest includes:

- Allowing for the development of commercial and community services needed by the adjacent residential neighborhoods.
- Implementing community design improvements and reducing truck traffic impacts on the residential neighborhoods
- Encouraging the re-use and rehabilitation of historic or high-quality buildings to the greatest extent possible

The City received a Robert Wood Johnson Foundation grant to focus on reducing childhood obesity in Southwest Cucamonga. The Baker House Community Center will build upon the objectives outlined in the 2010 General Plan and the goals of the grant to encourage healthy and active lifestyles in Southwest.

8803 Baker Avenue parcel is located in a General Industrial / Industrial Park zone.

- Community Center / Civic Use is a permitted use (Table 17.30.030-1 RC Municipal Code)
- Lot area minimum is .5 acre with minimum lot width of 100 feet (Table 17.36.040-1 RC Municipal Code)
- Setbacks (Secondary) Front yard = 35 feet; Rear yard = 0 feet; Interior side yard = 5 feet (Table 17.36.040-1 RC Municipal Code)
- Distance between buildings per current building code requirements
- Streetscape Setback Requirements (Table 17.36.040-2 RC Municipal Code)
- Parking Requirements by Land Use (17.64.050--B RC Municipal Code) Uses not listed ...*"furnish parking as required by the designated approving authority in determining the off-street parking requirements."*

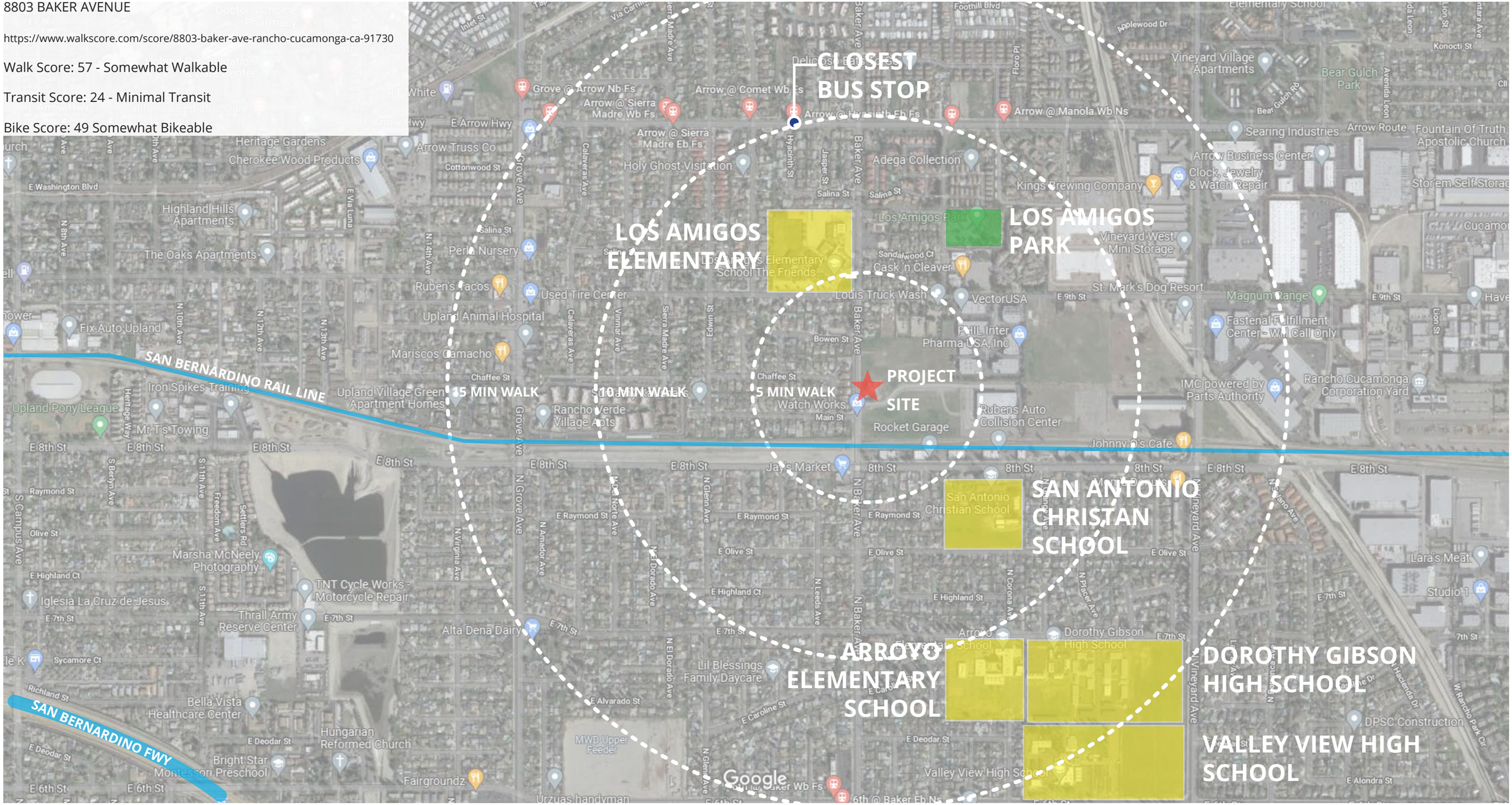
8803 BAKER AVENUE

https://www.walkscore.com/score/8803-baker-ave-rancho-cucamonga-ca-91730

Walk Score: 57 - Somewhat Walkable

Transit Score: 24 - Minimal Transit

Bike Score: 49 Somewhat Bikeable



Baker Avenue Community Center - Conceptual Design Package
8803 Baker Avenue, Rancho Cucamonga 91730

SITE VICINITY MAP

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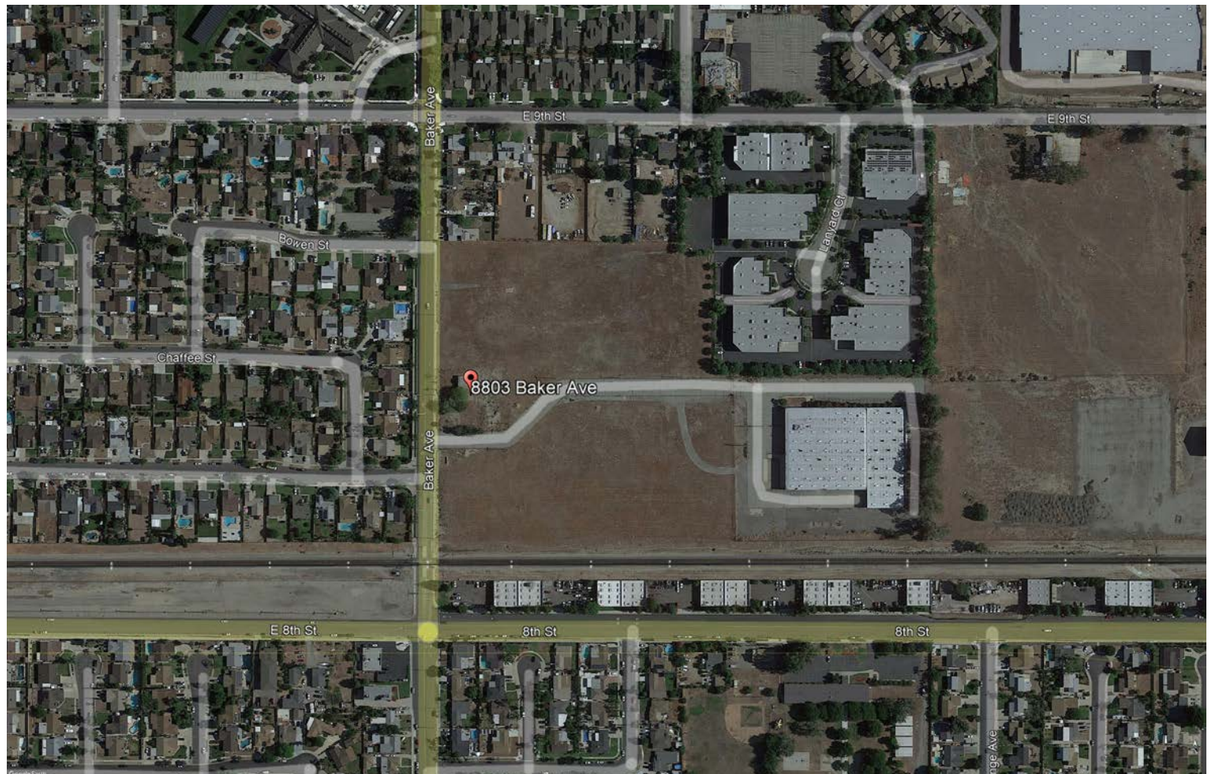


Figure 4: Aerial view of existing site and adjacent uses. Google maps 2021.

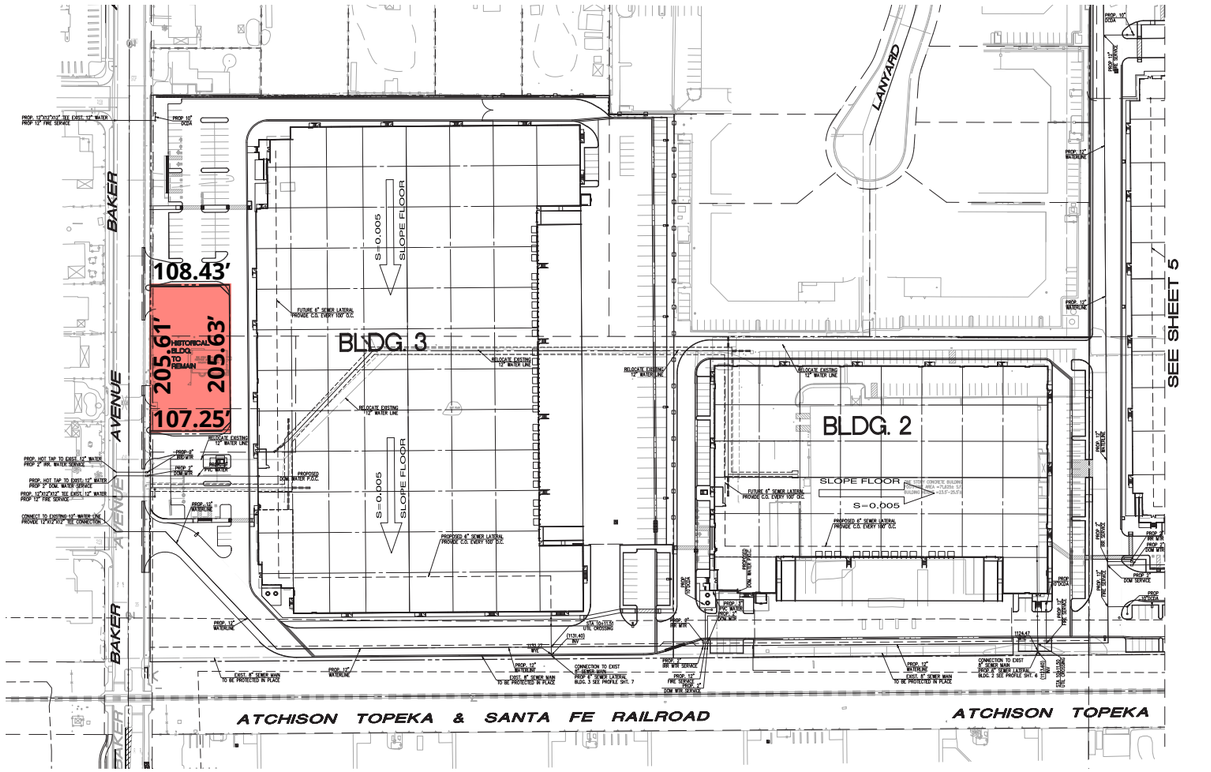
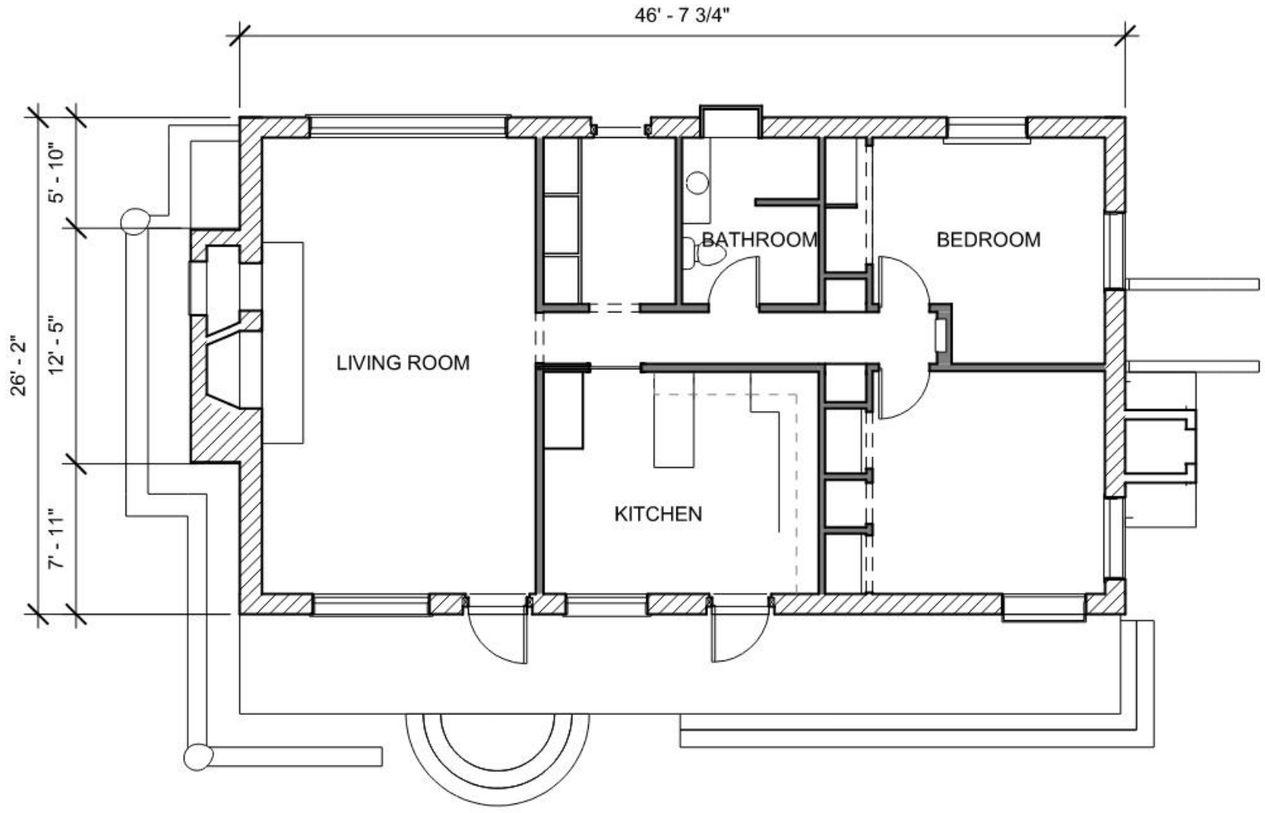


Figure 3: Partial Tentative Parcel Map showing new warehouse adjacent to the Baker House site.

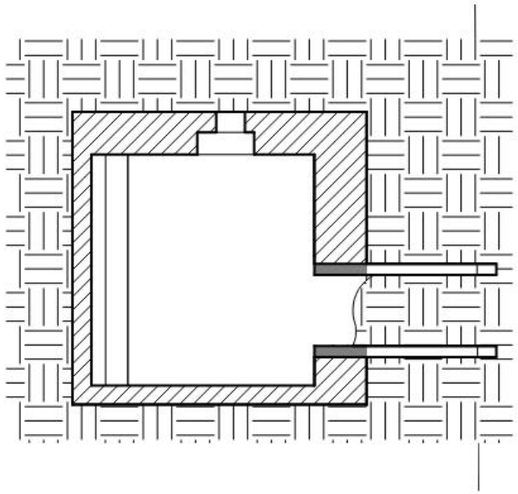


GROUND LEVEL FLOOR PLAN

1/8" = 1'-0"

0 4' 8' 16'

N



BASEMENT FLOOR PLAN

1/8" = 1'-0"

0 4' 8' 16'

N

EXISTING HISTORIC BUILDING



EAST ELEVATION - PHOTO



SOUTH ELEVATION - PHOTO

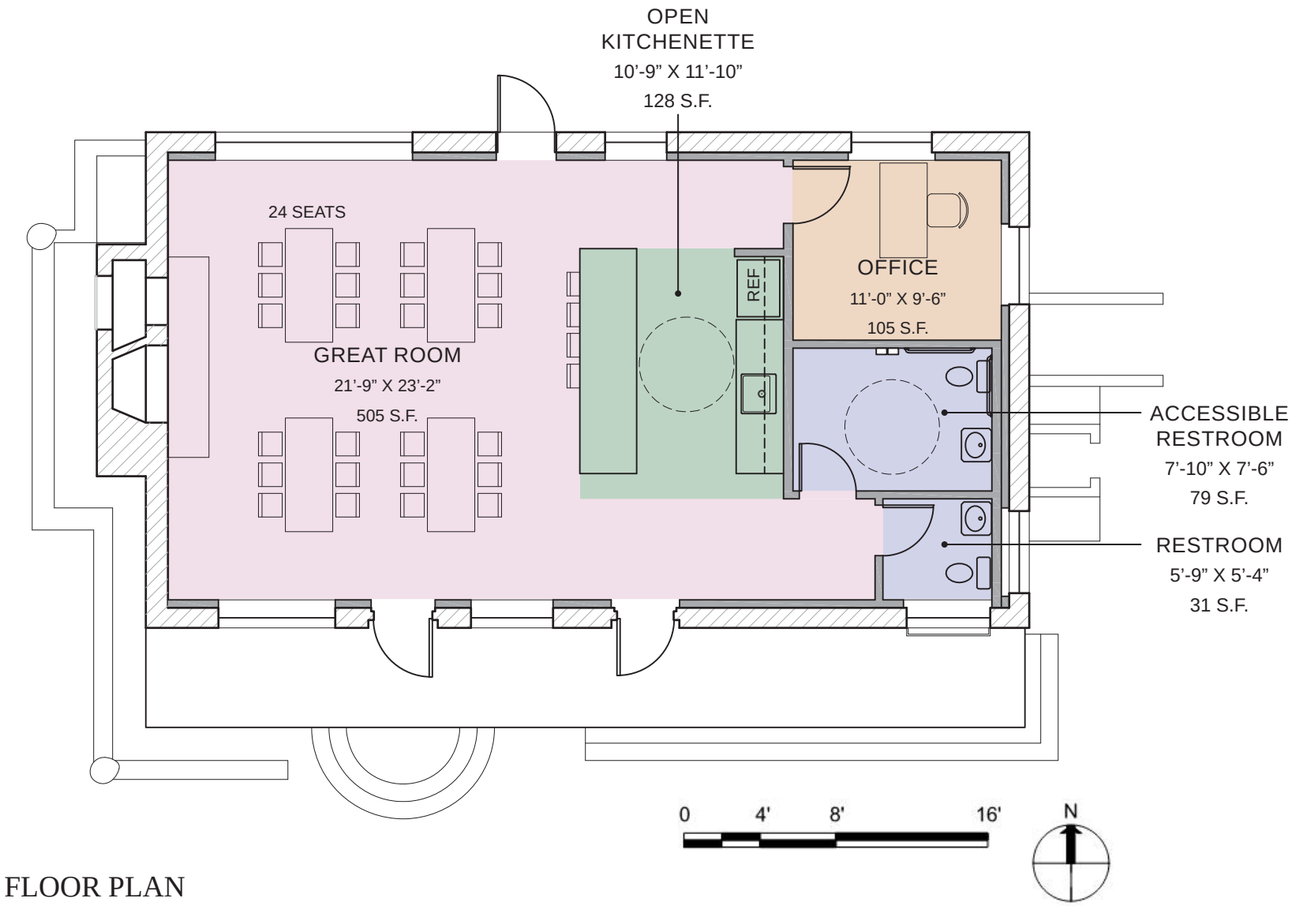


WEST ELEVATION - PHOTO

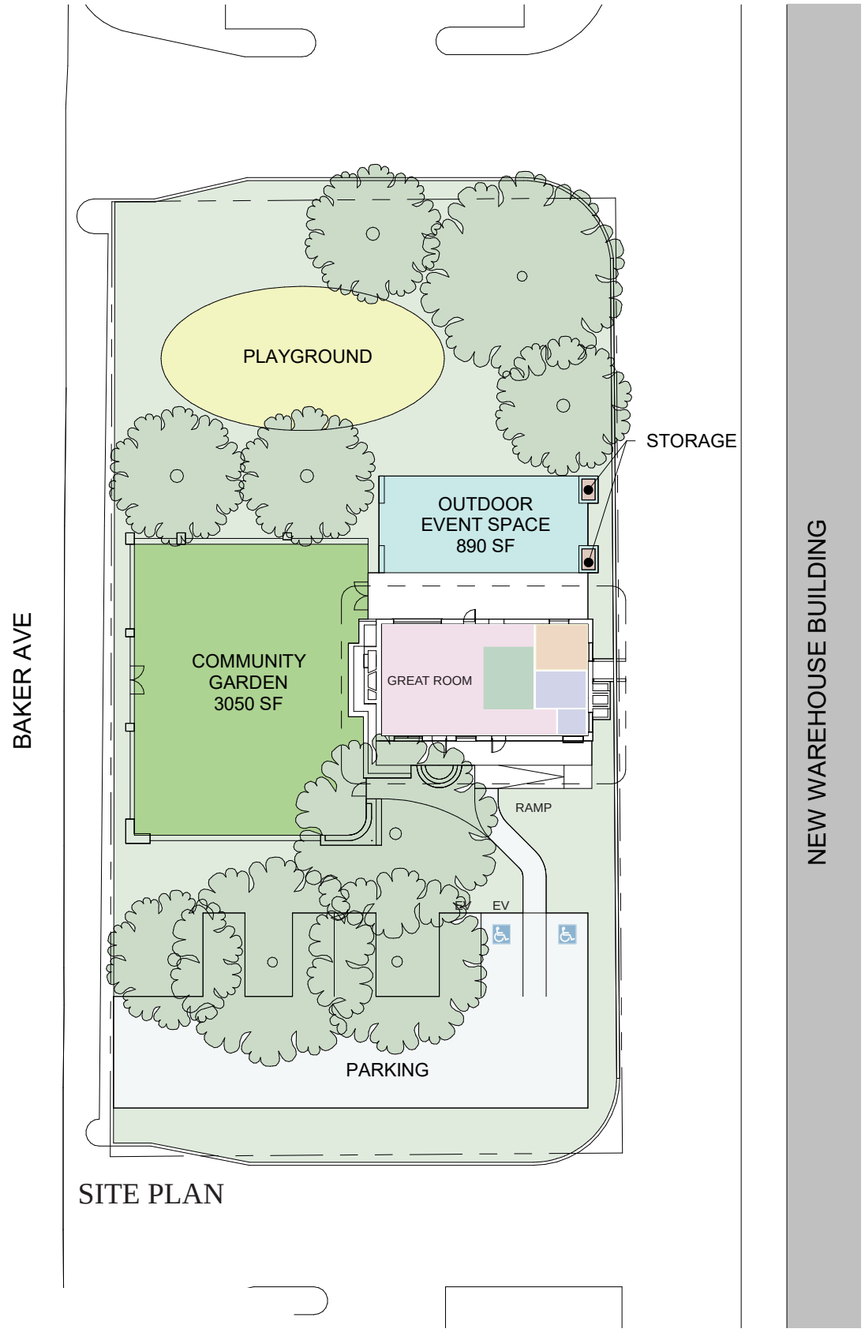


NORTH ELEVATION - PHOTO

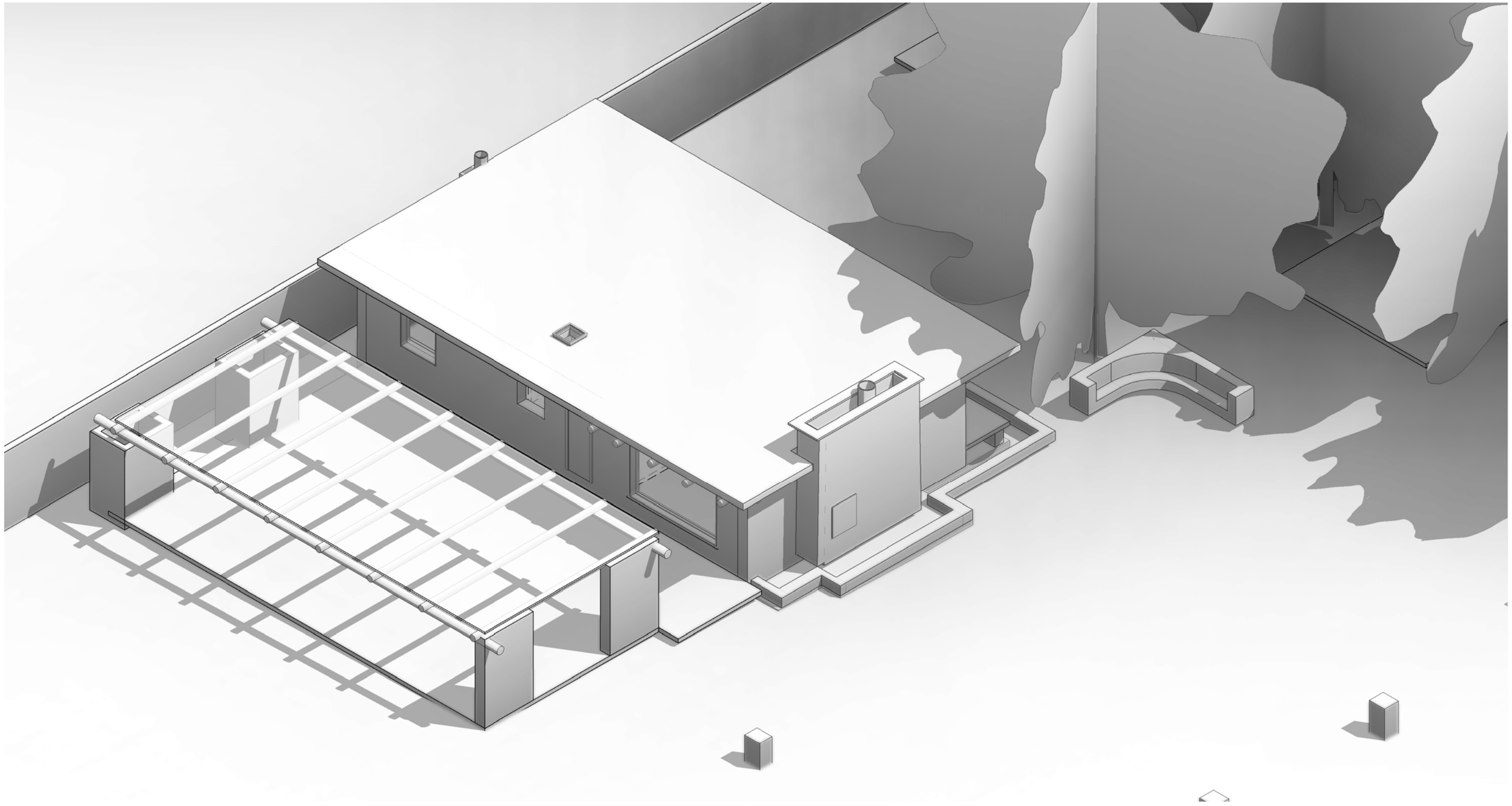
Concept 1 proposes a shade structure with an aesthetic and scale similar to the existing historic building. The placement of the shade structure adjacent to the existing building accentuates these similarities while creating a connection between the indoor and outdoor event spaces that will encourage use of both spaces by groups and families using the Community Center. Most of the program is housed in the existing building, however, storage is tucked into the columns of the shade structure. Additional community focused programs like a community garden and playground are included on the site. Limited parking is located at the southern end of the site where cars can be parked between the existing trees.



FLOOR PLAN

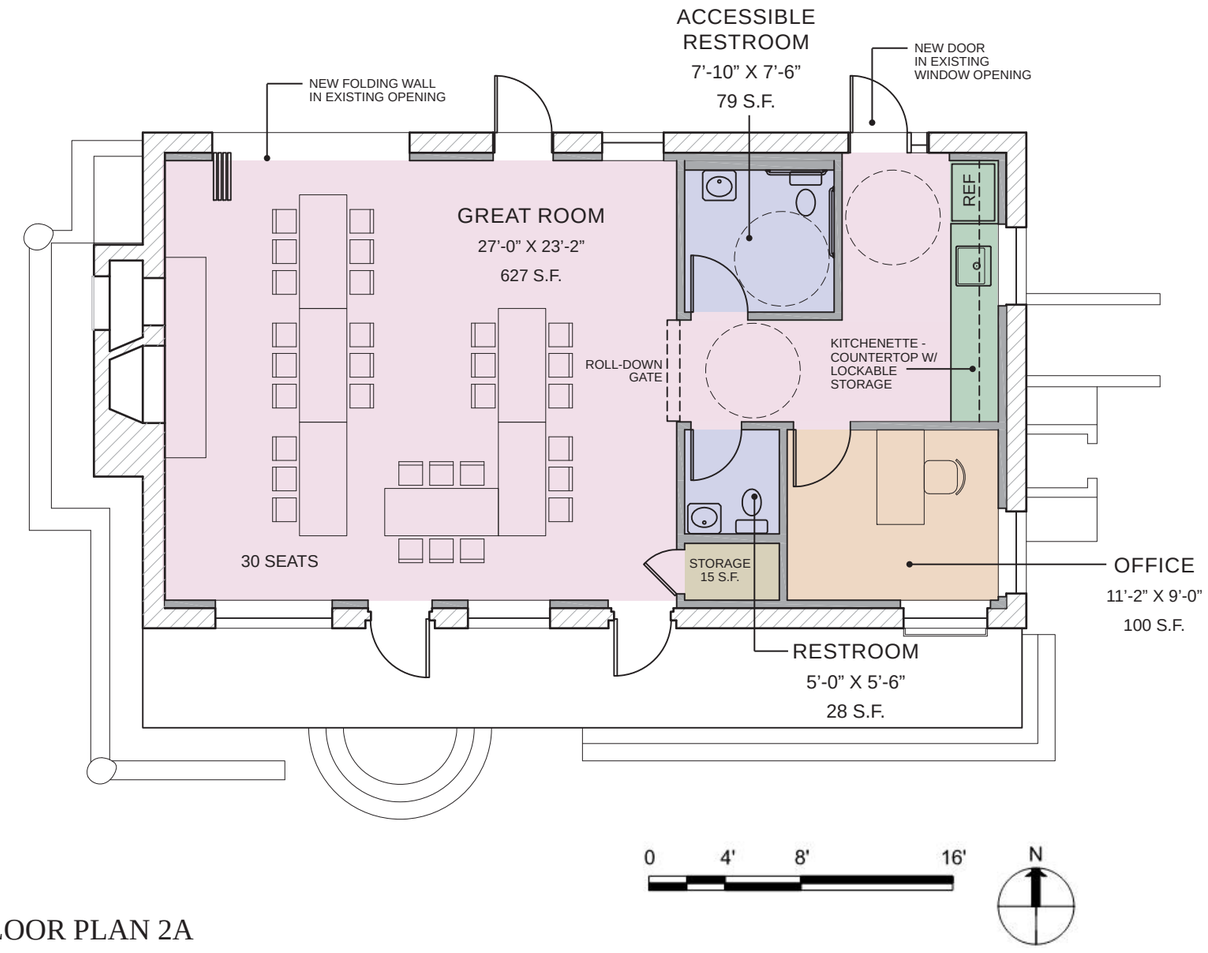


SITE PLAN

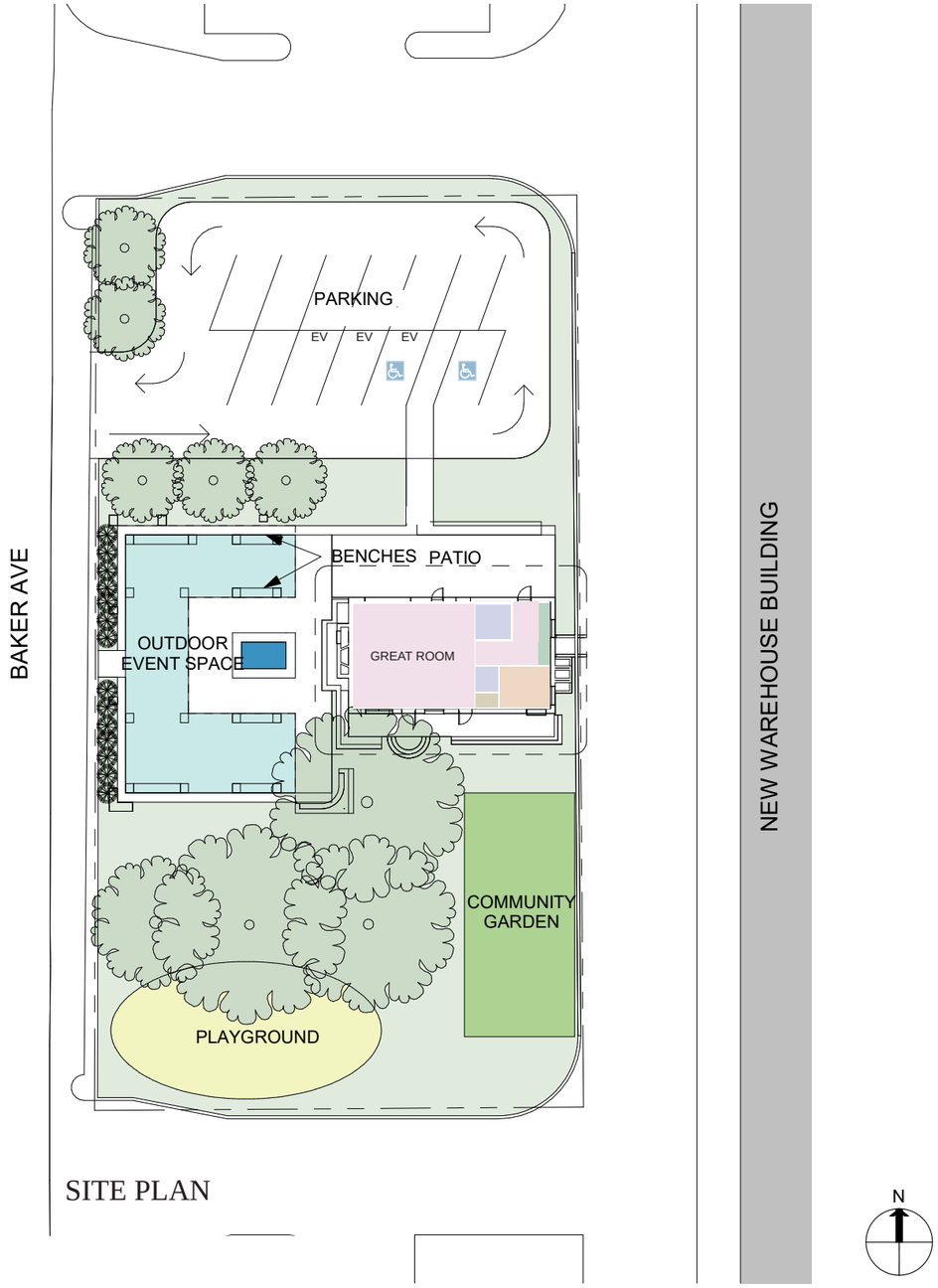


CONCEPT 1 - TWINS

Concept 2 proposes a dynamic outdoor “u-shaped” shaded courtyard to the west of the existing building, creating a large outdoor event space which features a fountain in the center and built-in benches. The courtyard is accessible from the Baker Avenue sidewalk through a gated entry. Planting is used along the street side of the shade structure as a visual/auditory buffer from the street and provide shade from the afternoon/evening sun. The outdoor event space is connected to the existing building via a patio to link the indoor and outdoor event spaces. This concept includes a community garden and playground at the southern end of the site. To the northern end of the site is a parking lot. There are two plan options for Concept 2. In both options, the north facade is activated through the placement of a new bi-fold door that will connect the Great Room with a new outdoor space to the north. Floor Plan Option 2A, provides flexible access to the interior service core (restrooms and kitchenette) by inserting a new door within an existing window opening at the east end of the north facade.



FLOOR PLAN 2A



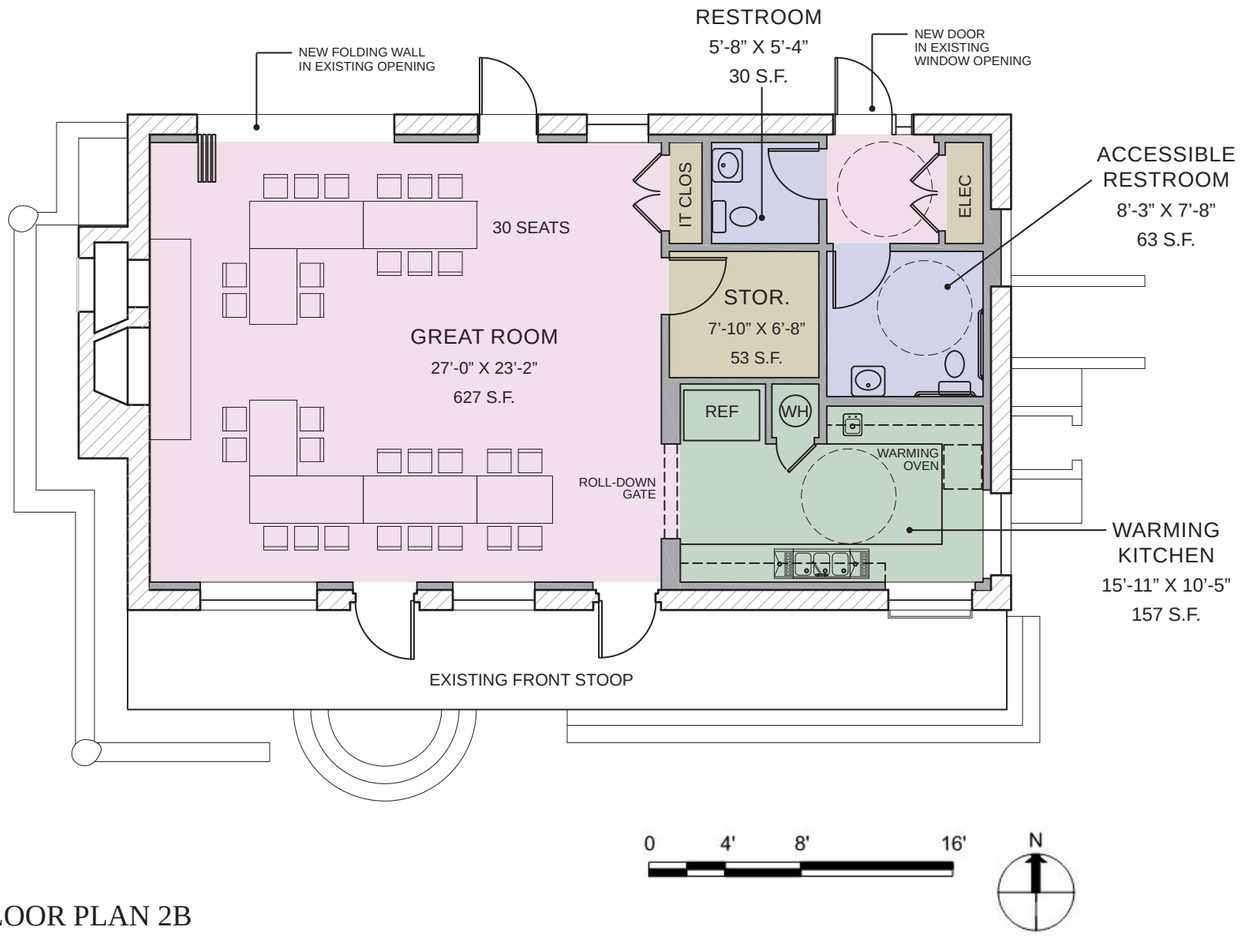
SITE PLAN

Baker Avenue Community Center - Conceptual Design Package
8803 Baker Avenue, Rancho Cucamonga 91730

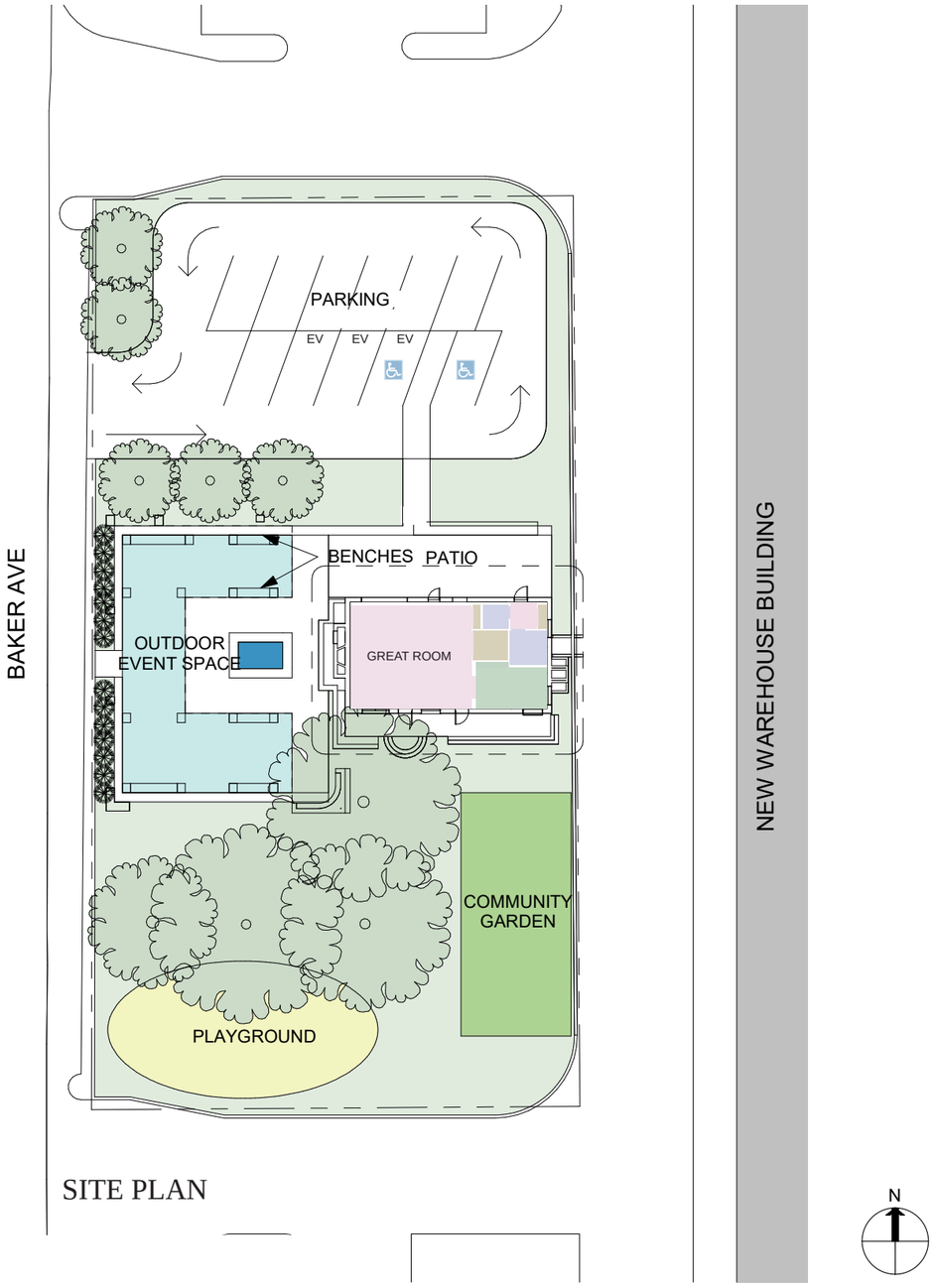
CONCEPT 2 - COURTYARD

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Concept 2 proposes a dynamic outdoor “u-shaped” shaded courtyard to the west of the existing building, creating a large outdoor event space which features a fountain in the center and built-in benches. The courtyard is accessible from the Baker Avenue sidewalk through a gated entry. Planting is used along the street side of the shade structure as a visual/auditory buffer from the street and provide shade from the afternoon/evening sun. The outdoor event space is connected to the existing building via a patio to link the indoor and outdoor event spaces. This concept includes a community garden and playground at the southern end of the site. To the northern end of the site is a parking lot. There are two plan options for Concept 2. In both options, the north facade is activated through the placement of a new bi-fold door that will connect the Great Room with a new outdoor space to the north. Floor Plan Option 2B provides a bathroom vestibule at the east end of the north facade, converting a window opening to a new door. Floor Plan Option 2B includes a larger kitchen for catering events.



FLOOR PLAN 2B

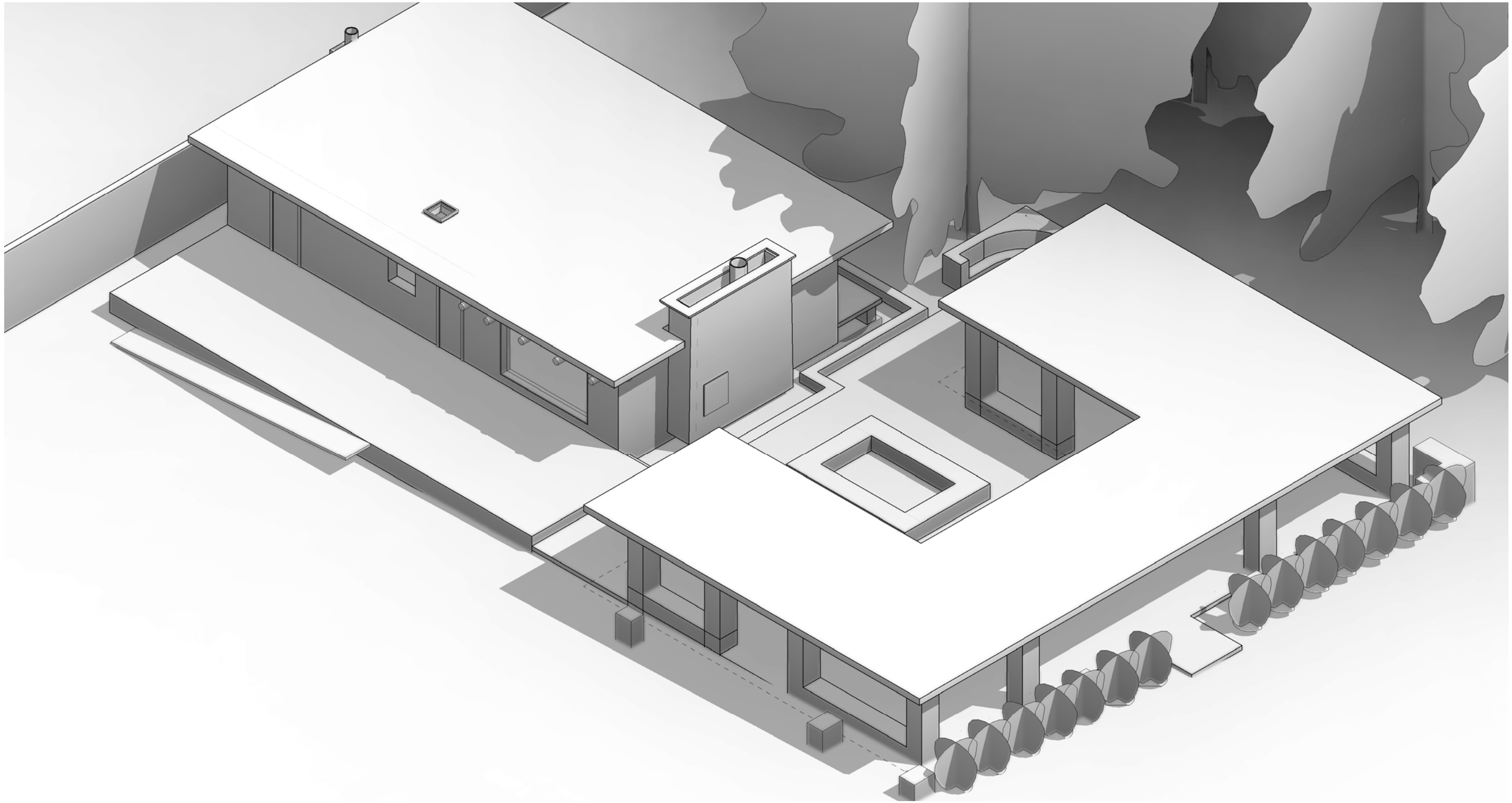


SITE PLAN

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CONCEPT 2 - COURTYARD

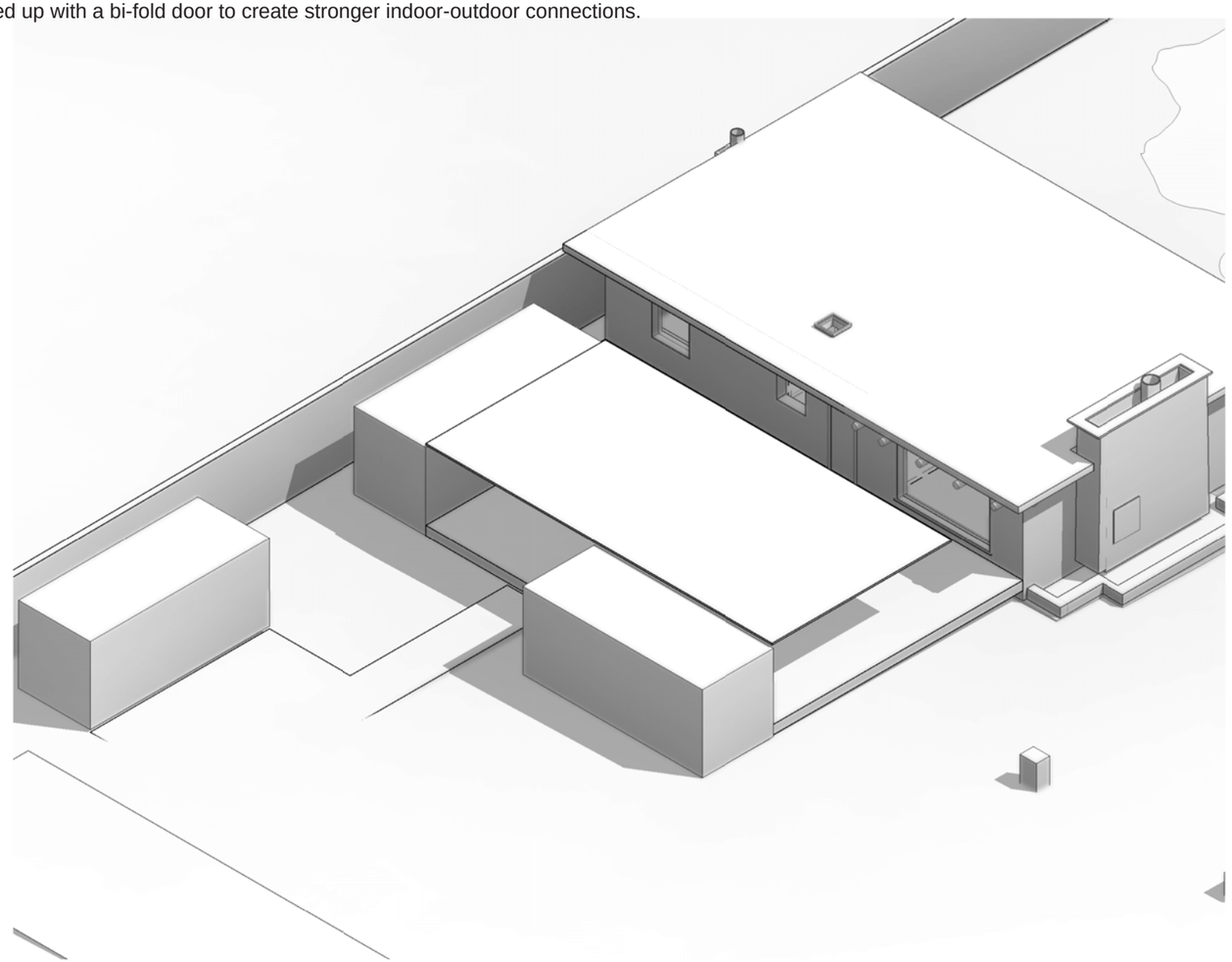
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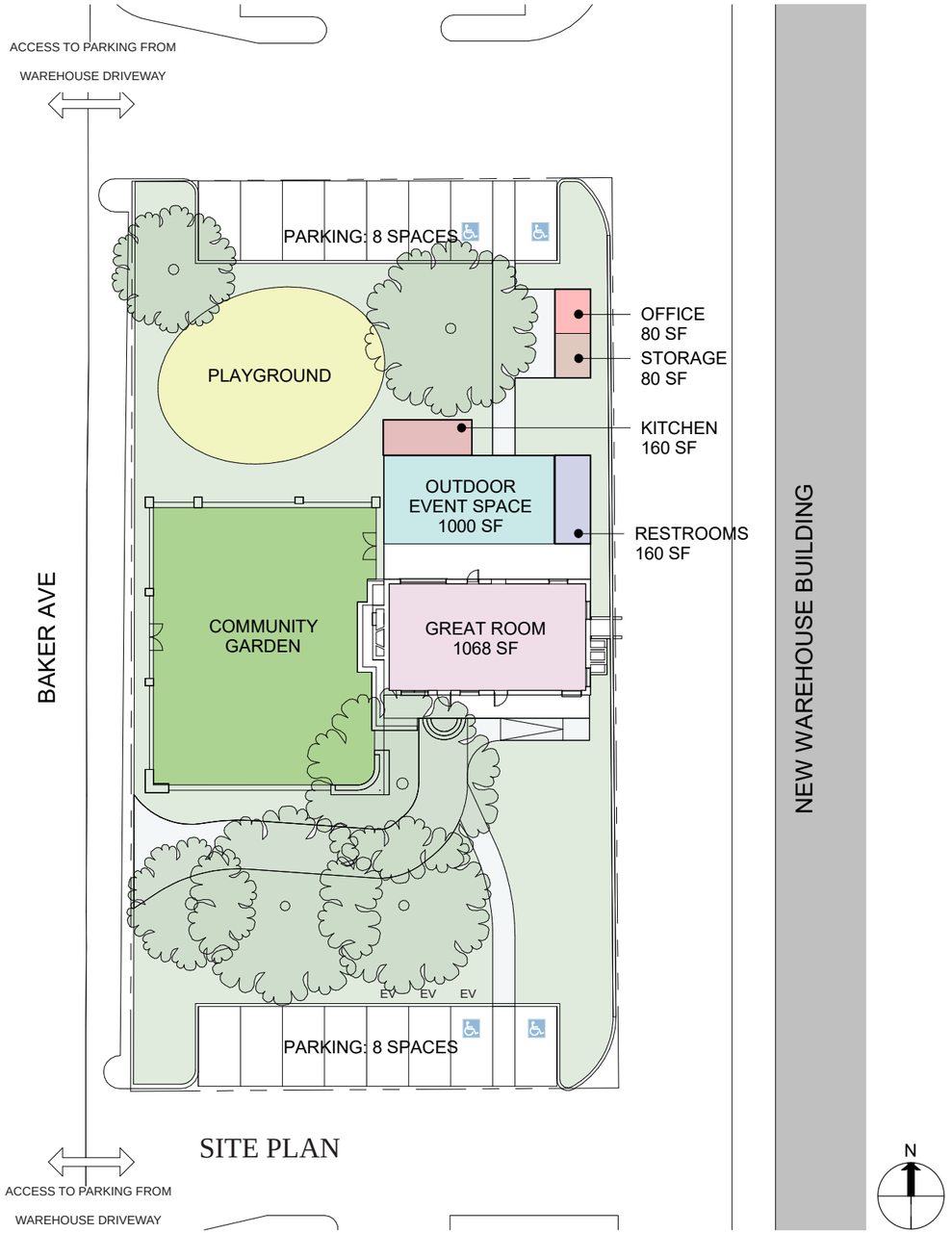


CONCEPT 2 - COURTYARD

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Concept 3 proposes using shipping containers to hold the auxiliary programs, allowing the indoor event space to occupy the entire existing building. The outdoor event space is nestled between the restroom and kitchen container-buildings and the existing building. Shade is provided with a fabric shade stretched between the containers. The parking areas bookend the site and use the warehouse access roads to preserve green space on the site. Additional community focused programs like a community garden and playground are included on the site. Similar to Concept 2, the north facade of the existing building could be opened up with a bi-fold door to create stronger indoor-outdoor connections.





SITE PLAN

CONCEPT 3 - SHIPPING CONTAINER VILLAGE













CONCEPT IMAGES - SHADE, SEATING & OPENINGS













CONCEPT IMAGES - SHIPPING CONTAINERS

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